



# **ANNUAL REPORT**

## **2023–24**

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES**  
**JODHPUR**







**श्री जगत प्रकाश नड्डा**  
**Shri Jagat Prakash Nadda**

माननीय केंद्रीय मंत्री

Hon'ble Union Minister

स्वास्थ्य एवं परिवार कल्याण व रसायन एवं उर्वरक, भारत सरकार

Health & Family Welfare and Chemicals & Fertilizers, Government of India



**श्री प्रतापराव जाधव**

**Shri Prataprao Jadhav**

माननीय राज्य मंत्री (स्वतंत्र प्रभार)

आयुष मंत्रालय

Hon'ble Minister of State (Independent Charge)

Ministry of Ayush

व

and

माननीय राज्य मंत्री

स्वास्थ्य एवं परिवार कल्याण मंत्रालय, भारत सरकार

Hon'ble Minister of State

Ministry of Health & Family Welfare, Government of India



**श्रीमती अनुप्रिया पटेल**

**Smt. Anupriya Patel**

माननीय राज्य मंत्री

Hon'ble Minister of State

स्वास्थ्य एवं परिवार कल्याण व रसायन एवं

उर्वरक मंत्रालय, भारत सरकार

Ministry of Health & Family Welfare and

Chemicals & Fertilizers, Government of India





**Dr. S. S. Agarwal**

MBBS, MD (Medicine), FACP

Alma Mater: SMS Medical College, Jaipur (1971)

Chairman, Swasthya Kalyan Group & Rajasthan Hospital Limited

**President, AIIMS Jodhpur**

Executive Body Member, Indian Red Cross Society

Independent Director, Rajasthan Medical Services Corporation Limited (RMSCL),

Govt. of Rajasthan

### **From the President's Desk**

As we close another remarkable year at the All India Institute of Medical Sciences, Jodhpur, I am filled with immense pride and gratitude. Together, we have continued to push the boundaries of healthcare, education, and research in our steadfast commitment to serving our community.

This year, AIIMS Jodhpur has truly strengthened its role as a beacon of medical excellence, innovation, and compassion. Our journey has been marked by impactful achievements, new initiatives, and pioneering medical advancements that have enriched healthcare in our region and redefined standards of patient care and professional training.

Our commitment to nurturing well-rounded professionals remains central to our mission. By instilling not only medical knowledge but also essential life skills, we prepare our students and faculty to face the challenges of the healthcare landscape with resilience and empathy.

I extend my heartfelt gratitude to every member of the AIIMS Jodhpur family. Your relentless dedication and commitment have been instrumental in our shared success.

As we celebrate the achievements of this year, let us also look ahead with renewed purpose. We aspire to a future where our institute continues to lead in medical innovation, integrating cutting-edge technology with compassionate, patient-centered care.

Our commitment to excellence in education is unwavering. We aim not only to educate but to inspire the next generation of healthcare professionals, equipping them with the values of empathy, integrity, and resilience that are essential to their calling.

As we step into the coming year, let us continue to dream boldly, innovate courageously, and serve our community with unwavering dedication. Together, let us build a future where AIIMS Jodhpur stands as a beacon of hope, healing, and progress for all.

With deepest pride,

A handwritten signature in black ink, appearing to read 'S. S. Agarwal', with a long, sweeping flourish extending to the right.

Dr. S.S. Agarwal

President,

AIIMS Jodhpur



**Dr Goverdhan Dutt Puri**  
MD., PhD., FAMS.  
**Executive Director & CEO**



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It gives me immense pleasure to present to you the annual report of All India Institute of Medical Sciences, Jodhpur for FY 2023-24, showcasing our journey and achievements in the year gone by. The All India Institute of Medical Sciences (AIIMS), Jodhpur was established in the year 2012 by an Act of Parliament to correct regional imbalances in quality tertiary level healthcare in the country and attain self-sufficiency in Graduate and Postgraduate medical education.

Our journey of growth stems from the relentless pursuit of excellence by thousands of faculty members, scientists, technicians, scholars, nursing staff, engineers, and health & sanitation workers over the years. It is an honour to lead and serve this remarkable Institution, and I am excited to highlight some of its extraordinary achievements in this report. I acknowledge the continued support of the Ministry of Health and Family Welfare, Government of India. I also appreciate the Government of Rajasthan and local administration for their reassuring efforts. The AIIMS, Jodhpur is committed to excellence in medical education, research, innovation, and patient care under the guidance of the Government of India.

#### Up and Beyond

As I reflect on the past year, I am delighted to note that our organisation delivered world-class healthcare to countless people. Our pursuit of improving healthcare access and opportunities for our patients has yielded remarkable results, positioning us for sustained growth. Building on our healthy performance, we plan to significantly improve our quality of care over the next five years, ensuring greater access to those in need. With compassion and dedication, we strive to reach more and more people and make a qualitative difference to their lives. I am greatly humbled by what we have achieved so far and am equally excited about what lies ahead. I would like to express my sincere gratitude to all our members for their continued support and faith. Together, we will continue to work towards a stronger and sustainable future for all.

With best wishes,

Prof. (Dr) Goverdhan Dutt Puri  
Executive Director & CEO  
AIIMS, Jodhpur



**Dr Madhabananda Kar**

MS, PhD, EMPH, FAMS, FAIS, FIAGES,  
FACS.



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**From the Desk of a Former Executive Director.....**

The pivotal mission and vision of AIIMS Jodhpur as a pioneer institute is always to ensure professional and holistic health care. The Institute has epitomized itself to provide value, ethics and innovation-based medical education with a community-oriented approach. It has evolved as a centre with a novel curriculum designed for undergraduates and postgraduates of medical, nursing and allied health sciences for holistic teaching and learning. The unique innovative Medtech programme with IIT, Jodhpur and joint MD-PhD programme has certainly made this institute unique among all AIIMSes in the country. Through its clinical services at OPD and IPD, AIIMS Jodhpur is constantly providing the region's finest, low-cost, evidence-based patient care. The Institute has designed proficient and effective healthcare delivery systems consonant with communities' needs, especially in palliative care and even in its satellite centres in tribal areas and in the surroundings.

AIIMS Jodhpur is dedicated to pursuing exemplary standards of professional excellence in medical education, research, and clinical care by developing a configuration that integrates value-based medical education with accessible and affordable health care. Quality research has been the hallmark of the ongoing projects, and the large number of funded projects awarded to the various departments is ample testimony to the potential of the researchers. The Institute has consistently received funding from the Indian Council of Medical Research, Department of Science and Technology, Department of Biotechnology, WHO, UNICEF, National Institutes of Health (NIH), and other organizations. Each year, the outsized numbers of national and international peer-reviewed publications from the Institute further specify the excellence in research.

I convey my appreciation for all the success to the Government of India and team of the Institute for achieving all the fantastic milestones so far and wish them to continue the same in future.

Prof. Madhabananda Kar  
Former Executive Director  
AIIMS Jodhpur





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# **Institutional Bodies**



## Institute Body

1	<b>Dr. S. S. Agarwal</b> President of the institute	
2	<b>Shri P. P. Chaudhary</b> Member of Parliament Lok Sabha	
3	<b>Shri Chandra Prakash Joshi</b> Member of Parliament Lok Sabha	
4	<b>Shri Rajendra Gehlot</b> Member of Parliament Rajya Sabha	
5	<b>Sh. Apurva Chandra, IAS</b> Secretary, Ministry of Health & Family Welfare, Government of India	
6	<b>Sh. Sudhansh Pant, IAS</b> Chief Secretary Government of Rajasthan, Jaipur	
7	<b>Prof. (Dr.) Atul Goel</b> Director General of Health Services Ministry of Health & Family Welfare Government of India	





8	<b>Dr. Jaideep Kumar Mishra</b> Addl. Secretary & Financial Adviser Ministry of Health & Family Welfare Government of India	
9	<b>Prof. Anand Bhalerao</b> Vice Chancellor, Central University of Rajasthan, Ajmer	
10	<b>Prof. Avinash Kumar Agarwal</b> Director Indian Institute of Technology (IIT), Jodhpur, Rajasthan	
11	<b>Prof. Ashok Kumar Saxena</b> Former General President Indian Science Congress Association	
12	<b>Dr. S. C. Sharma</b> Former Chairman, National Medical Commission	
13	<b>Dr. Dhananjai Agarwal</b> Professor & HOD, Department of Nephrology S.M.S. Medical College, Jaipur, Rajasthan	
14	<b>Dr. G.S. Wander</b> Professor & Head, Department of Cardiology DMC & Hospital, Ludhiana, Punjab	
15	<b>Dr. S.K. Gupta</b> Professor & Head, Department of Neurosurgery PGIMER, Chandigarh	

16	<b>Dr. Vineet Ahuja</b> Professor, Department of Gastroenterology AIIMS, New Delhi	
17(a)	<b>Dr. Madhabananda Kar</b> Executive Director, All India Institute of Medical Science, Jodhpur (till 16.02.2024)	
17(B)	<b>Dr. Goverdhan Dutt Puri</b> Executive Director, All India Institute of Medical Science, Jodhpur (from 16.02.2024 onwards)	

## Governing Body

1	<b>Dr. S. S. Agarwal</b> President, IMA, Jaipur, Rajasthan	
2	<b>Shri Chandra Prakash Joshi</b> Hon'ble Member of Parliament, Lok Sabha	
3	<b>Sh. Apurva Chandra, IAS</b> Secretary, Ministry of Health & Family Welfare, Government of India	
4	<b>Sh. Sudhansh Pant, IAS</b> Chief Secretary Government of Rajasthan, Jaipur	
5	<b>Prof. (Dr.) Atul Goel</b> Director General of Health Services Ministry of Health & Family Welfare Government of India (from 18.04.2022)	
6	<b>Dr. Jaideep Kumar Mishra</b> Addl. Secretary & Financial Adviser Ministry of Health & Family Welfare Government of India (from 26.09.2022)	
7	<b>Prof. Avinash Kumar Agarwal</b> Director Indian Institute of Technology (IIT), Jodhpur, Rajasthan	



8	<b>Dr. Dhananjai Agarwal</b> Professor & HOD, Department of Nephrology S.M.S. Medical College, Jaipur, Rajasthan	
9	<b>Dr. Vineet Ahuja</b> Professor, Department of Gastroenterology All India Institute of Medical Sciences, New Delhi	
10	<b>Dr. S. K. Gupta</b> Professor & Head, Department of Neurosurgery Postgraduate Institute of Medical Education and Research (PGIMER), Chandigarh	
11(a)	<b>Dr. Madhabananda Kar</b> Executive Director, All India Institute of Medical Science, Jodhpur (till 16.02.2024)	
11(b)	<b>Dr. Goverdhan Dutt Puri</b> Executive Director, All India Institute of Medical Science, Jodhpur (from 16.02.2024 onwards)	

## Standing Finance Committee

1	<b>Sh. Apurva Chandra, IAS</b> Secretary, Ministry of Health & Family Welfare, Government of India	Chairman
2	<b>Shri P.P. Chaudhary</b> Hon'ble Member of Parliament, Lok Sabha	Member
3	<b>Prof. Atul Goel</b> Director General of Health Services Ministry of Health & Family Welfare	Member
4	<b>Shri Sudhansh Pant</b> Chief Secretary, Government of Rajasthan	Member
5	<b>Dr. Jaideep Kumar Mishra</b> Addl. Secretary & Financial Advisor Ministry of Health & Family Welfare	Member
6	<b>Dr. Dhananjai Agarwal</b> Professor & HOD, Department of Nephrology S.M.S. Medical College, Jaipur, Rajasthan	Member
7	<b>Prof. Ashok Kumar Saxena</b> Former General President, Indian Science Congress Association	Member
8(a)	<b>Dr. Madhabananda Kar</b> Executive Director, AIIMS, Jodhpur (till 16.02.2024)	Member Secretary
8(b)	<b>Dr. Goverdhan Dutt Puri</b> Executive Director, All India Institute of Medical Sciences, Jodhpur (from 16.02.2024 onwards)	Member Secretary






## Standing Selection Committee

1	<b>Dr. Vineet Ahuja</b> Professor, Department of Gastroenterology All India Institute of Medical Sciences, New Delhi	Chairman
2	<b>Prof. Atul Goel</b> Director General of Health Services Ministry of Health & Family Welfare, GoI (from 18.04.2022)	Member
3	<b>Prof. Avinash Kumar Agarwal</b> Director, Indian Institute of Technology (IIT), Jodhpur	Member
4	<b>Dr. G.S. Wander</b> Professor & Head, Department of Cardiology DMC & Hospital, Ludhiana, Punjab	Member
5	<b>Dr. Dhananjai Agarwal</b> Professor & HOD, Department of Nephrology S.M.S. Medical College, Jaipur, Rajasthan	Member
6	<b>Prof. Ashok Kumar Saxena</b> Former General President Indian Science Congress Association	Member
7(a)	<b>Dr. Madhabananda Kar</b> Executive Director, AIIMS, Jodhpur (till 16.02.2024)	Member Secretary
7(b)	<b>Dr. Goverdhan Dutt Puri</b> Executive Director, All India Institute of Medical Sciences, Jodhpur (from 16.02.2024 onwards)	Member Secretary




## Academic Committee

1	<b>Dr. S.K. Gupta</b> Professor & Head, Department of Neurosurgery PGIMER, Chandigarh	Chairman
2	<b>Prof. Avinash Kumar Agarwal</b> Director Indian Institute of Technology (IIT), Jodhpur, Rajasthan	Member
3	<b>Dr. Vineet Ahuja</b> Professor, Department of Gastroenterology AIIMS, New Delhi	Member
4	<b>Dr. G.S. Wander</b> Professor & Head, Department of Cardiology DMC & Hospital, Ludhiana, Punjab	Member
5	<b>Prof. Ashok Kumar Saxena</b> Former General President Indian Science Congress Association	Member
6(a)	<b>Dr. Madhabananda Kar</b> Executive Director, AIIMS, Jodhpur (till 16.02.2024)	Member Secretary
6(b)	<b>Dr. Goverdhan Dutt Puri</b> Executive Director, All India Institute of Medical Sciences, Jodhpur (from 16.02.2024 onwards)	Member Secretary



## Administration

1(a)	<b>Dr. Goverdhan Dutt Puri</b> Executive Director, All India Institute of Medical Science, Jodhpur(from 16.02.2024)	
1(b)	<b>Dr. Madhabananda Kar</b> Executive Director, All India Institute of Medical Sciences, Jodhpur (till 16.02.2024)	
2	<b>Shri Manumanish Gupta</b> Deputy Director (Administration) All India Institute of Medical Sciences, Jodhpur	
3	<b>Shri Dushyant Gehlot</b> Senior Administrative Officer All India Institute of Medical Sciences, Jodhpur(till 31.05.2023)	
4	<b>Shri Sanjay Dhabai</b> Administrative Officer, All India Institute of Medical Sciences, Jodhpur	

## Finance

1	<b>Col. Surender Kumar</b> Financial Advisor All India Institute of Medical Sciences, Jodhpur (from 20.11.2023)	
2	<b>Shri Amit Mundra</b> Accounts Officer Officiating Finance and Chief Accounts Officer (from 25.04.2022), All India Institute of Medical Sciences, Jodhpur	
3	<b>Shri Akash Manihar</b> Accounts Officer, All India Institute of Medical Sciences, Jodhpur	

## Engineering








1	<b>Er. S. S. Rathore</b> Superintendent Engineer, (till 16.09.2023) All India Institute of Medical Sciences, Jodhpur	
2	<b>Er. Pankaj Saxena</b> Executive Engineering Officiating Superintendent Engineer (till 30.01.2023) All India Institute of Medical Sciences, Jodhpur	

# **Office Bearers at AIIMS Jodhpur**











## Academics

S. No.	Name & Designation	Photo
1	<b>Dr. Shilpi Gupta Dixit</b> Acting Dean (Academics)	
2	<b>Dr. Pradeep Dwivedi</b> Vice-Dean (Academics)	
3	<b>Dr. Vaibhav Kumar Varshney</b> Sub-Dean (Academics)	
4	<b>Dr. Priyanka Kathuria</b> Assistant Dean (Academics)	
5	<b>Dr. Durga Shankar Meena</b> Assistant Dean (Academics)	
6	<b>Dr. Sojit Tomo</b> Assistant Dean (Academics)	
7	<b>Mr. Manish Kumar Srivastava</b> Registrar	





## Examinations

S. No.	Name & Designation	Photo
1	<b>Dr. Abhinav Dixit</b> Dean (Examination )	
2	<b>Dr. Dushyant Agarwal</b> Vice Dean	
3	<b>Dr. Gopal Krishna Bohra</b> Sub Dean	
4	<b>Dr. Shrimanjanath Sankanagoudar</b> Sub Dean	
5	<b>Dr. Mayank Badkur</b> Assistant Dean	
6	<b>Dr. Mahesh Arjundan Gadhvi</b> Assistant Dean	
7	<b>Mr. Aashish Parihar</b> Assistant Dean	

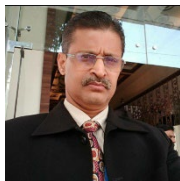





## Research



S. No.	Name & Designation	Photo
1	<b>Dr. Tanuj Kanchan</b> Dean	
2	<b>Dr. Pankaj Bhardwaj</b> Vice Dean	
3	<b>Dr. Jaykaran Charan</b> Sub Dean	
4	<b>Dr. Deepak Kumar</b> Assistant Dean	
5	<b>Dr. Rimple Jeet Kaur</b> Assistant Dean	
6	<b>Dr. Lokesh Saini</b> Assistant Dean	

## Student Welfare

S. No.	Name & Designation	Photo
1	<b>Dr. Abhay Elhence</b> Dean	
2	<b>Dr. Naresh Nebhinani</b> Vice Dean	
3	<b>Dr. Daisy Khera</b> Sub Dean	
4	<b>Dr. Pushpa Potaliya</b> Sub Dean (Student Welfare)	
5	<b>Dr. Navratan Suthar</b> Assistant Dean (Student Welfare)	

## Hospital Services

S. No.	Name & Designation	Photo
1	<b>Dr. Deepak Kumar Jha</b> Medical Superintendent	
2	<b>Dr. Vibhor Tak</b> Deputy Medical Superintendent (till 15.02.2024)	
3	<b>Dr. Mithu Banerjee</b> Deputy Medical Superintendent (till 14.02.2024)	
4	<b>Dr. Nikhil Kothari</b> Deputy Medical Superintendent	
5	<b>Dr. Jeewan Ram Vishnoi</b> Deputy Medical Superintendent	
6	<b>Dr. Bharat Choudhay</b> Deputy Medical Superintendent	

7	<b>Dr. Binit Sureka</b> Deputy Medical Superintendent	
8	<b>Dr. Shiv Charan Navriya</b> Deputy Medical Superintendent	
9	<b>Dr. Ruchi Garg</b> Deputy Medical Superintendent (17th August, 2022 onwards)	

# Hospital Services





## Hospital Services

The hospital services started in 2012 with OPD facilities. IPD facilities and OT started in 2013 and 2014 respectively as a make shift arrangement in the OPD block. The feedback from patients shows a heartening trend of increasing satisfaction with the quality of care and the cleanliness of the hospital. Apart from the routine OPD services, AIIMS Jodhpur provides advanced Specialty and Superspeciality care to the patients. Services like Neonatology, Pediatric Surgery, Oncology, Oncosurgery, Neurology, Nephrology, Neurosurgery, Cardiology, Cardiac surgery, Pulmonary, Endocrinology, Surgical Gastroenterology and Pediatric Nephrology etc are being provided at AIIMS Jodhpur.

The institute is now performing many more advanced procedures including MRI, advanced laparoscopic & Complex (minimal invasive) surgeries like Partial Nephrectomy, Hernia, Radical Cystectomy, VVF repair, Wertheim hysterectomy hip and knee replacements, open heart surgeries, thoracoscopic procedures, endourological procedures & cochlear implants

AIIMS Jodhpur is the **first** institute in Rajasthan to start **Robotic Surgery** with state-of-the-art facility, complex surgeries can now be performed safely using the Robot. AIIMS Jodhpur has a busy and thriving Trauma and Emergency Services and Dialysis unit. In an effort to integrate the different systems of medicine, AIIMS Jodhpur has established **AYUSH** services which blends the traditional systems of Ayurved & Homeopathy with Allopathic medicine. The institute has made rapid strides in all dimensions of patient care and has made a niche as an apex institute delivering quality tertiary care.

The Institute has successfully implemented the “Ayushman Bharat” Scheme under which in this financial year an amount of Rs 16,96,178/- treatment has been provided to the beneficiaries.

The **Renal Transplant Center** has performed 46 Successful Transplants till date. All 46 Patients are doing well.

The **First Liver Transplant** was performed on 11 February 2023 AIIMS, Jodhpur is the First among all PMSSY AIIMS to have established Liver Transplant services and the First Hospital in the Government Sector to have started this service.

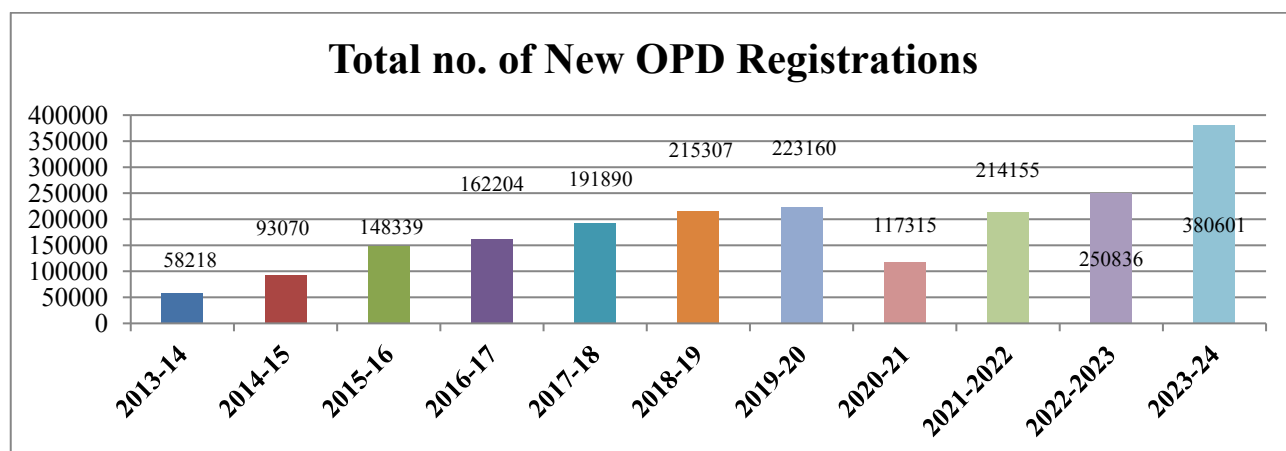
The **Corneal Transplant** service has been initiated since May 2022, 147 successful Corneal Transplants were done at Department of Ophthalmology. In addition, Intra Vitreal Injections and Laser Therapy has been started for Retinopathy of premature babies.

AIIMS, Jodhpur has been declared Centre for Rare Diseases. Treatment for Gauchers, Cystic Fibrosis and Short Stature is being started in this center.

Construction of the new Trauma and Emergency block has started.

### 1. NEW OPD REGISTRATIONS

A total 3,80,601 of new patients were registered in the year 2023-24 as compared to 2,50,836 patients registered in the previous year.



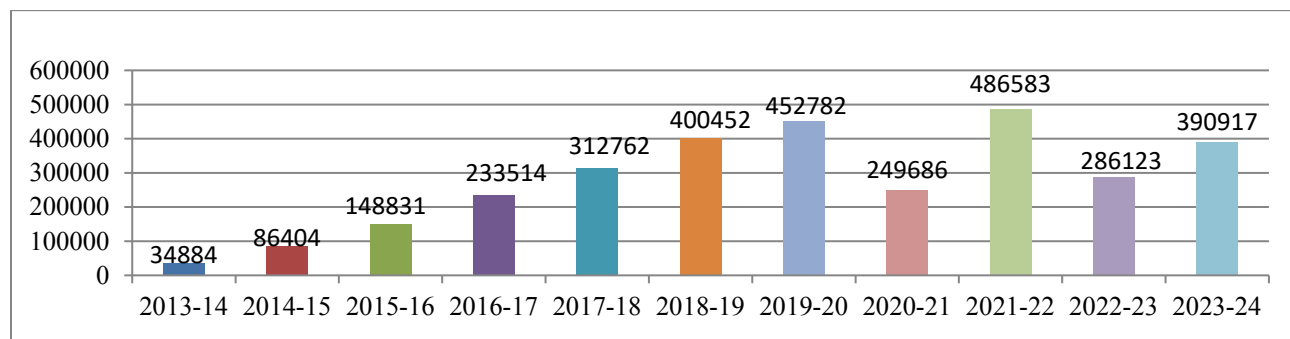
Sr. No	Year	Total no. of New OPD Registrations
1.	2013-14	58218
2.	2014-15	93070
3.	2015-16	148339
4.	2016-17	162204
5.	2017-18	191890
6.	2018-19	215307
7.	2019-20	223160
8.	2020-21	117315
9.	2021-22	214155
10.	2022-23	250836
11.	2023-24	380601

Sr. No	Month	Total no. of New OPD Registrations
1.	Apr – 23	20656
2.	May – 23	23584
3.	Jun – 23	21152
4.	Jul – 23	24499
5.	Aug – 23	32262
6.	Sep – 23	19999
7.	Oct – 23	29544
8.	Nov – 23	37935
9.	Dec - 23	43845
10.	Jan – 24	41678

11	Feb – 24	44061
12	Mar - 24	41386

## 2. NEW OPD CONSULTATIONS

A total of 3,90,917 new OPD consultations were done from 1<sup>st</sup> April 2023 to 31<sup>st</sup> March 2024 as compared to 2,86,123 consultations in the preceding year.



Sr. No	Year	Total no. of New OPD Consultations
1.	2013-14	34884
2.	2014-15	86404
3.	2015-16	148831
4.	2016-17	233514
5.	2017-18	312762
6.	2018-19	400452
7.	2019-20	452782
8.	2020-21	249686
9.	2021-22	486583
10.	2022-23	286123
11.	2023-24	390917

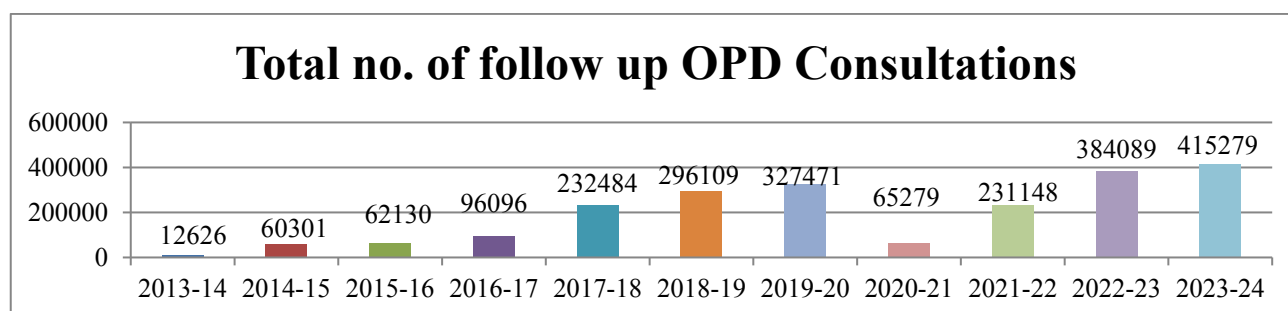
  

Sr. No	Month	Total no. of New OPD Consultations
1.	Apr – 23	23054
2.	May – 23	26756
3.	Jun – 23	20411
4.	Jul – 23	26566
5.	Aug – 23	35682
6.	Sep – 23	19999
7.	Oct – 23	29544
8.	Nov – 23	37935

9.	Dec - 23	43845
10.	Jan – 24	41678
11.	Feb – 24	44061
12.	Mar - 24	41386

### 3. FOLLOW UP OPD CONSULTATIONS

A total of 4,15,279 follow up OPD consultations were done from 1<sup>st</sup> April 2023 to 31<sup>st</sup> March 2024 as compared to 3,84,089 consultations in the preceding year.



Sr. No	Year	Total no. of follow up OPD Consultations
1.	2013-14	12626
2.	2014-15	60301
3.	2015-16	62130
4.	2016-17	96096
5.	2017-18	232484
6.	2018-19	296109
7.	2019-20	327471
8.	2020-21	65279
9.	2021-22	231148
10	2022-23	384089
11.	2023-24	415279

Sr. No	Month	Total no. of follow up OPD Consultations
1.	Apr – 23	31980
2.	May – 23	37742
3.	Jun – 23	33877
4.	Jul – 23	37225
5.	Aug – 23	33727

6.	Sep – 23	31486
7.	Oct – 23	36206
8	Nov – 23	24508
9.	Dec - 23	32111
10.	Jan – 24	36298
11.	Feb – 24	39915
12.	Mar - 24	40204

#### 4. FUNCTIONAL SPECIALITIES

##### Number of functional Departments: General Specialties

1. General Medicine
2. General Surgery
3. Obstetrics and Gynaecology
4. Orthopaedics
5. Paediatrics
6. Dermatology, Venereology and Leprology
7. Otorhinolaryngology
8. Ophthalmology
9. Radiotherapy
10. Anaesthesiology and Critical Care
11. Transfusion Medicine and Transplant Immunology
12. Psychiatry
13. Dentistry
14. Physical Medicine and Rehabilitation
15. Pulmonary Medicine
16. Trauma and Emergency

##### NUMBER OF FUNCTIONAL DEPARTMENTS: SUPER-SPECIALTIES

1. Cardiology
2. Cardiothoracic and Vascular Surgery
3. Nephrology
4. Gastrointestinal Surgery
5. Burns and Plastic Surgery
6. Neurosurgery
7. Neurology
8. Urology
9. Surgical Oncology
10. Endocrinology
11. Paediatric Surgery
12. Neonatology
13. Nuclear Medicine
14. Medical Gastroenterology

## 15. Medical Oncology

**5. IPD Beds**

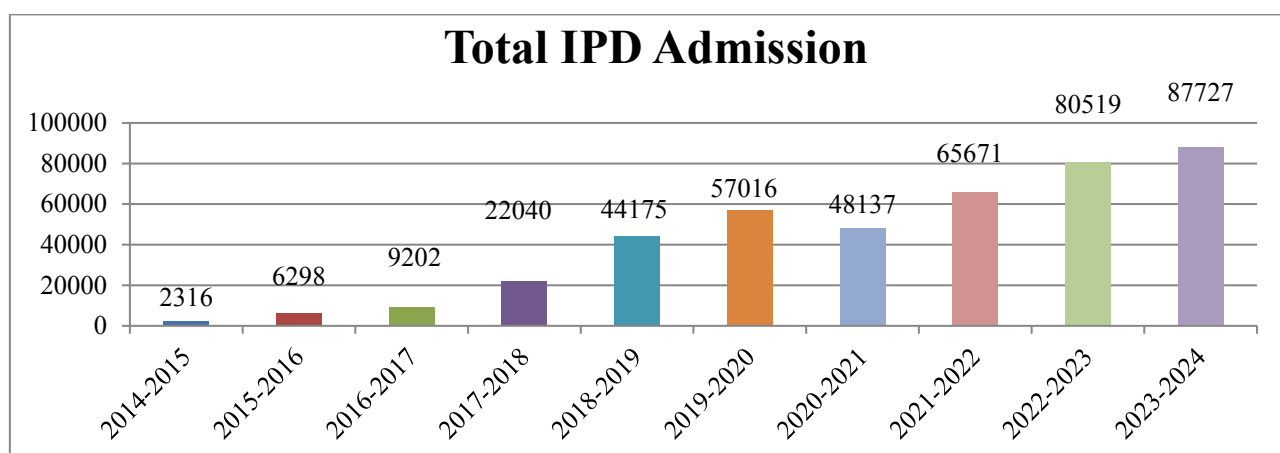
Current Bed Strength – 960 including 134 beds in ICU (35 bed AICU, 5 beds KTU, 23 bed in PICU, 26 beds in NICU, 8 beds Neurology, 8 beds Neurosurgery, 10 beds Cardiology, 10 beds Cardiac Surgery and 10 beds Trauma ICU). In addition, COVID ICU beds were created separately according to the requirement with a maximum of 190 beds.

Hospital Information Service (HIS) for IPD was started in Feb 2014. AIIMS Jodhpur, is the first Government Hospital of India to have complete paperless HIS for both OPD and IPD.

**6. IPD ADMISSIONS**

87,727 patients were admitted in the institute during the year 2023-24 vs 80,519 during previous year.

Sr. No	Year	Total IPD Admissions
1.	2014-15	2316
2.	2015-16	6298
3.	2016-17	9202
4.	2017-18	22040
5.	2018-19	44175
6.	2019-20	57016
7.	2020-21	48137
8.	2021-22	65671
9	2022-23	80519
10	2023-24	87727

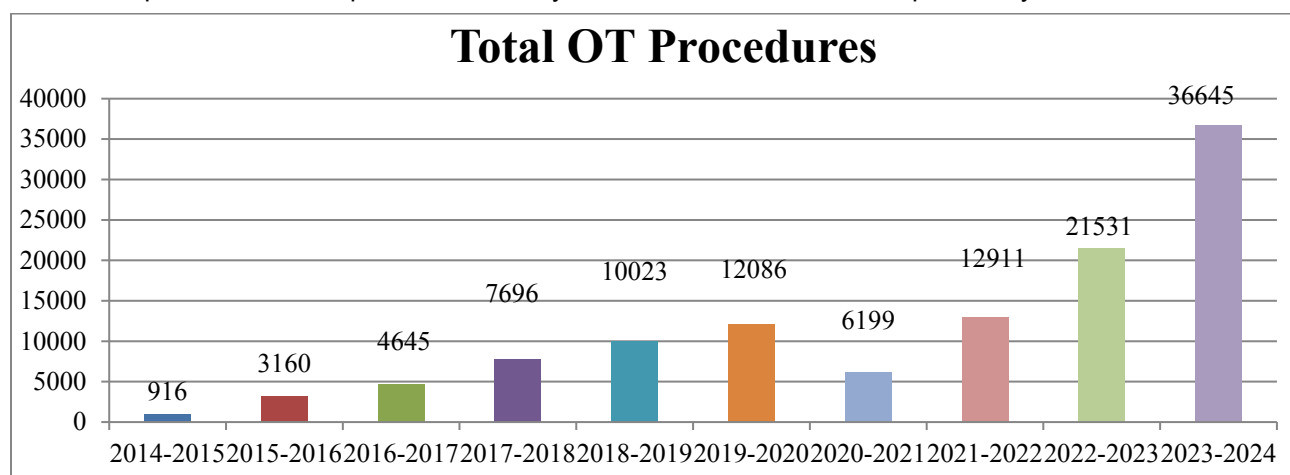


Sr. No	Month	Total IPD Admissions
1.	Apr – 23	6668

2.	May – 23	6531
3.	Jun – 23	6345
4.	Jul – 23	7003
5.	Aug – 23	7063
6.	Sep – 23	6684
7.	Oct – 23	7113
8.	Nov – 23	6588
9.	Dec - 23	7801
10.	Jan – 24	8045
11.	Feb – 24	8129
12.	Mar - 24	9757

## 7. OT PROCEDURES

36,645 OT procedures were performed in the year 2023-24 vs 21,531 in the previous year.



Sr. No	Year	Total OT Procedures
1.	2014-2015	916
2.	2015-2016	3160
3.	2016-2017	4645
4.	2017-2018	7696
5.	2018-2019	10023
6.	2019-2020	12086
7.	2020-2021	6199
8.	2021-2022	12911
9.	2022-2023	21531

10	2023-2024	36645
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Sr. No	Month	Total OT Procedures
1.	Apr – 23	2721
2.	May – 23	3167
3.	Jun – 23	2781
4.	Jul – 23	2985
5.	Aug – 23	2989
6.	Sep – 23	2702
7.	Oct – 23	3001
8.	Nov – 23	2638
9.	Dec - 23	2955
10.	Jan – 24	3117
11.	Feb – 24	3928
12.	Mar - 24	3661

**DEPARTMENT WISE SURGERIES: FINANCIAL YEAR WISE DATA -**

Department	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 (Till March)
Dentistry	11	30	82	116	216	428	172	288	65	339	311
ENT (Otolaryngologist)	64	304	489	559	809	867	387	909	238	1084	1222
General Surgery	166	939	1164	1437	1582	1790	1137	2063	659	2976	3701
Obstetrics & Gynaecology	63	286	428	740	1219	1656	1382	1947	582	3784	3926
Onco-Surgery	13	83	103	119	172	274	304	457	22	557	1062
Ophthalmology	0	150	535	997	878	814	135	320	186	1208	1418
Orthopaedics	53	335	451	603	931	1109	624	1421	427	2295	2548
Pediatric Surgery	73	306	542	711	867	938	564	886	316	1425	1408



<b>Physical Medicine &amp; Rehabilitation</b>	35	108	350	0	104	38	0	0	0	129	785
<b>Radio-Diagnosis</b>	5	44	2	0	1	0	0	0	0	0	28
<b>Anaesthesiology</b>	0	18	9	21	150	145	54	41	0	5	165
<b>Psychiatric</b>	0	0	19	155	307	309	88	0	0	76	427
<b>Nephrology</b>	0	0	23	6	4	16	3	1	0	0	8
<b>Dermatology</b>	0	0	7	32	123	78	8	0	0	42	1113
<b>Pulmonary Medicine</b>	0	0	9	11	6	16	15	9	1	136	784
<b>Cardio-Thoracic Surgery</b>	0	0	5	18	40	97	37	209	70	475	516
<b>Radio Therapy</b>	0	0	3	0	39	20	16	0	0	0	262
<b>Plastic Surgery</b>	0	0	0	128	569	769	367	500	169	933	980
<b>Neurosurgery</b>	0	0	0	51	302	521	428	835	216	1266	1275
<b>Urology</b>	0	0	0	108 9	118 5	1516	623	1220	443	2842	7276
<b>Gastro Surgery</b>	0	0	0	193	183	299	179	399	127	1016	1452
<b>Total</b>	<b>483</b>	<b>260 3</b>	<b>422 1</b>	<b>698 6</b>	<b>968 7</b>	<b>1170 4</b>	<b>652 3</b>	<b>1150 5</b>	<b>352 1</b>	<b>2058 8</b>	<b>30667</b>

## 8. EMERGENCY SERVICES

Since the initiation of emergency services from 1<sup>st</sup> Oct 2017, the Hospital has been catering to sick patients requiring emergency intervention. The emergency service consists of 14 triage beds on ground floor. This is also equipped with ventilators for stabilising critical patients and transferring them to appropriate wards. An efficient system of Triage has been devised for the initial management of emergency patients. The emergency ward is on the first (Medicine) and second (Surgery) floor with 27 emergency beds in each with round the clock medical support and backup.

### Total no. of admission in Emergency

Sr. No	Month	Total Number of Patients
1.	Apr – 23	3403
2.	May – 23	3043
3.	Jun – 23	3020
4.	Jul – 23	3394
5.	Aug – 23	3417

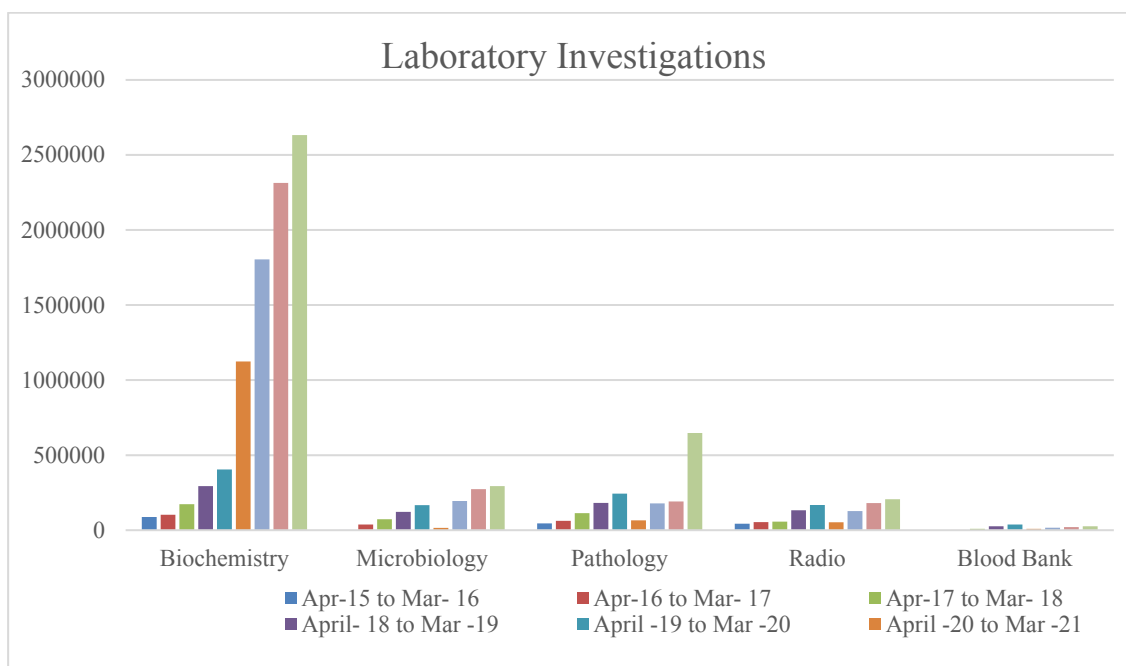
6.	Sep – 23	3223
7.	Oct – 23	3362
8.	Nov – 23	3313
9.	Dec - 23	4043
10.	Jan – 24	3954
11.	Feb – 24	4205
12.	Mar - 24	5350
Total		43727

**Total no. of Department wise admission in Emergency**

S. No.	Month	Medicine Faculty	Surgery Faculty	Pediatric Faculty	Orthopedic Faculty	Total
1	Apr – 23	1849	706	740	108	3403
2	May – 23	1691	637	651	64	3043
3	Jun – 23	1708	677	553	82	3020
4	Jul – 23	1978	637	684	95	3394
5	Aug – 23	1924	674	733	86	3417
6	Sep – 23	1757	631	786	49	3223
7	Oct – 23	1922	663	716	61	3362
8	Nov – 23	1980	530	755	48	3313
9	Dec - 23	2456	667	834	86	4043
10	Jan – 24	2397	768	684	105	3954
11	Feb – 24	2436	769	895	105	4205
12	Mar - 24	3070	1075	1172	33	5350

**9. LABORATORY INVESTIGATIONS**

The laboratory investigations also showed a proportionate increase in demand and services offered 38,06,869 investigations were done during 2023-24 as compared to 29,79,682 investigations performed in the previous year 2022-23.



### Investigations

S. No	Department	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
1.	Biochemistry	87624	102596	173760	294267	405084	1124298	1804032	2313830	2632573
2.	Microbiology	1664	38205	73256	122028	166562	15103	194961	273396	294159
3.	Pathology	44895	62081	113189	181424	243650	65908	179036	191160	647998
4.	Radiology	43395	53383	56884	133278	167435	53024	127561	180428	206077
5.	Blood Bank	1008	1515	9222	25713	37654	9465	16647	20868	26062

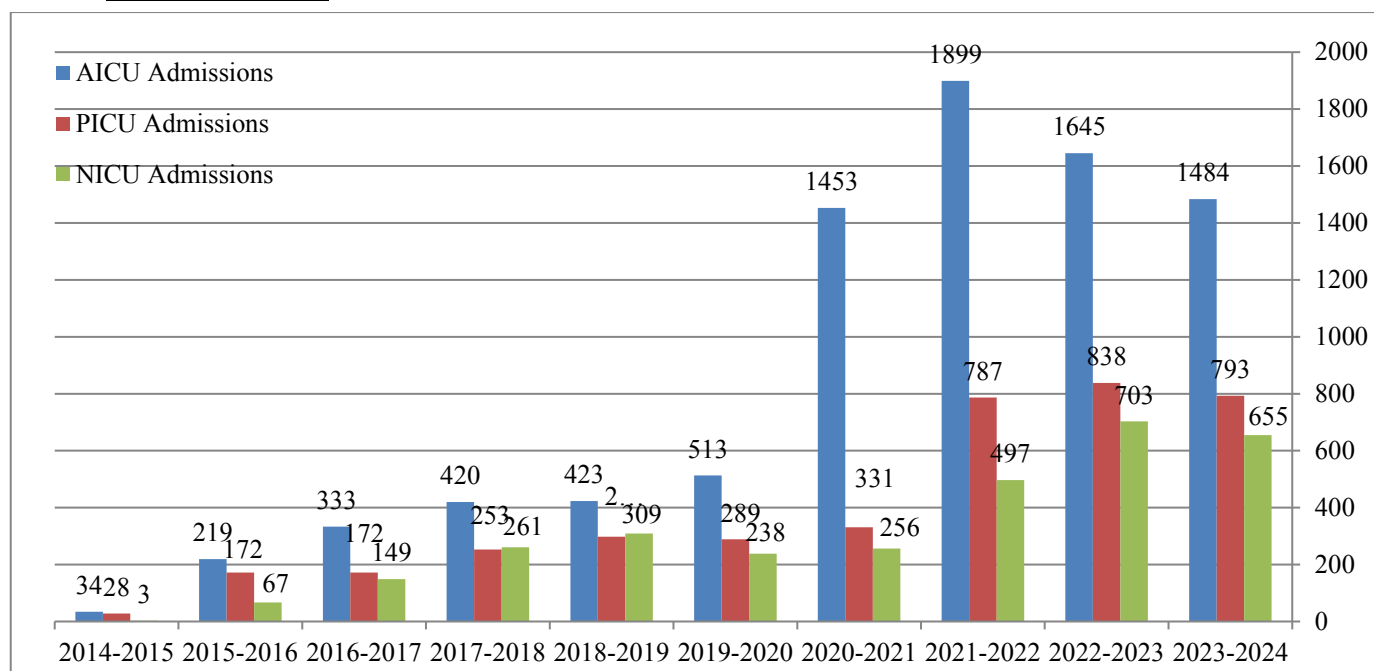
## 10. BLOOD BANK SERVICES

Blood Bank started in AIIMS Jodhpur with establishment of Blood Bank in February 2015. Since then more than 10,000 donations have been done and more than 25000 components have been administered to the patients. Blood Bank in AIIMS Jodhpur not only caters to the needs of patients admitted in AIIMS Jodhpur but also to those in nearby hospitals.

Voluntary blood donations are encouraged with regular counseling and motivation of potential donors and participation in blood donation camps in and around Jodhpur with the help of voluntary organizations, blood donor groups and NGOs. We aim towards 100 percent voluntary donations and are taking steps towards achieving it.

Sr. No	Month	No. of Voluntary Donation	No. of Blood issued	No. of Therapeutic Plasma Exchange	No. of Camps Conducted
1	Apr – 23	353	2092	14	4
2	May – 23	275	2275	25	4
3	Jun – 23	299	1946	20	7
4	Jul – 23	243	2039	36	4
5	Aug – 23	257	2086	39	4
6	Sep – 23	140	1871	22	2
7	Oct – 23	304	2015	30	5
8	Nov – 23	80	1968	24	1
9	Dec - 23	115	2613	49	3
10	Jan – 24	276	2444	31	2
11	Feb – 24	216	2360	11	5
12	Mar - 24	269	2353	18	5
Total		2827	26062	319	46

#### 11. ICU ADMISSIONS

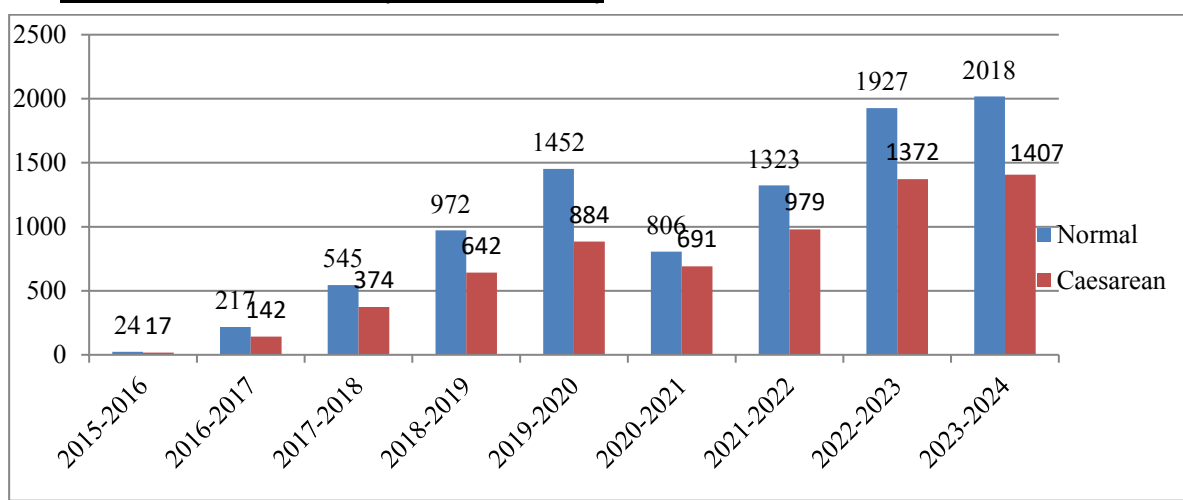


Sr. No	Year	AICU Admisson	PICU Admission	NICU Admisson
1	2014-15	34	28	3

2	2015-16	219	172	67
3	2016-17	333	172	149
4	2017-18	420	253	261
5	2018-19	423	298	309
6	2019-20	513	289	238
7	2020-21	1453	331	256
8	2021-22	1899	787	497
9	2022-23	1645	838	703
10	2023-24	1484	793	655

Sr. No	Month	AICU Admisson	PICU Admission	NICU Admisson
1	Apr – 23	147	58	53
2	May – 23	133	63	49
3	Jun – 23	146	60	49
4	Jul – 23	141	59	43
5	Aug – 23	81	56	60
6	Sep – 23	126	57	54
7	Oct – 23	122	66	58
8	Nov – 23	118	58	69
9	Dec - 23	122	78	62
10	Jan – 24	130	84	62
11	Feb – 24	103	81	55
12	Mar - 24	115	73	41

## 12. OBSTETRICS SERVICES (LABOUR WARD)

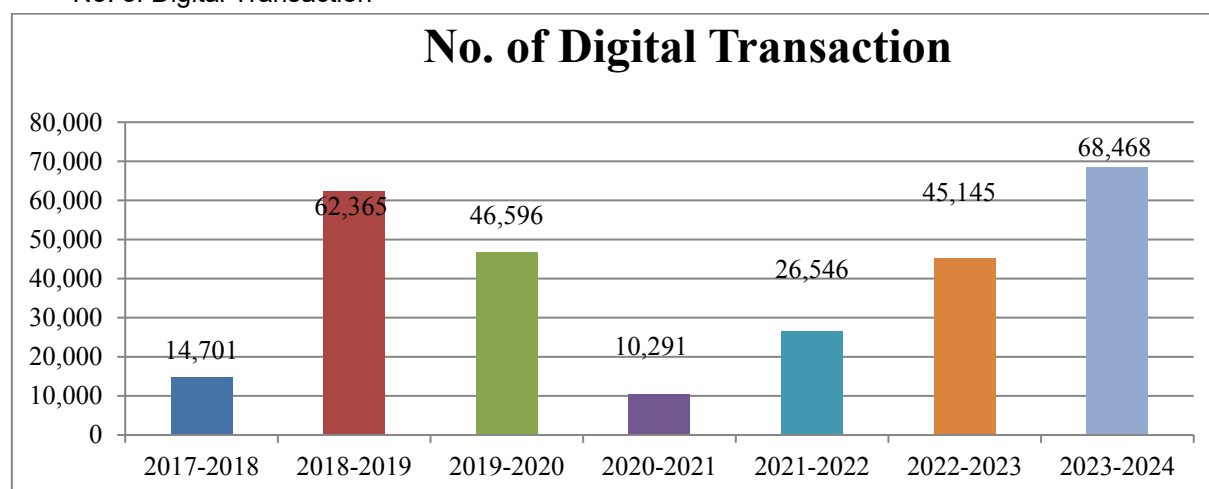


Sr. No	Year	Normal	Cesarean
1.	2015-16	24	17
2.	2016-17	217	142
3.	2017-18	545	374
4.	2018-19	972	642
5.	2019-20	1452	884
6.	2020-21	806	691
7.	2021-22	1323	979
8.	2022-23	1927	1372
9.	2023-24	2018	1407

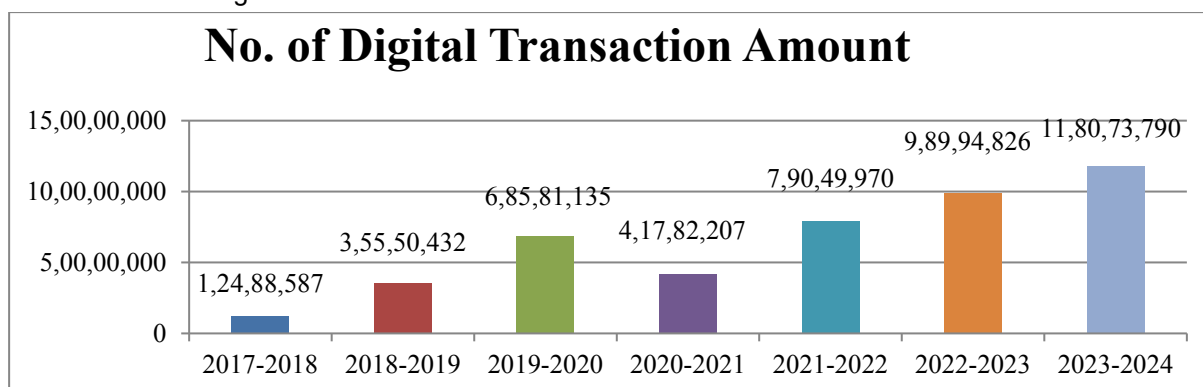
Sr. No	Year	Normal	Cesarean
1.	Apr – 23	129	97
2.	May – 23	136	106
3.	Jun – 23	159	116
4.	Jul – 23	172	101
5.	Aug – 23	198	108
6.	Sep – 23	193	121
7.	Oct – 23	201	110
8.	Nov – 23	148	130
9.	Dec - 23	177	145
10.	Jan – 24	181	139
11.	Feb – 24	174	108
12.	Mar - 24	150	126

### 13. DIGITAL DATA

- No. of Digital Transaction

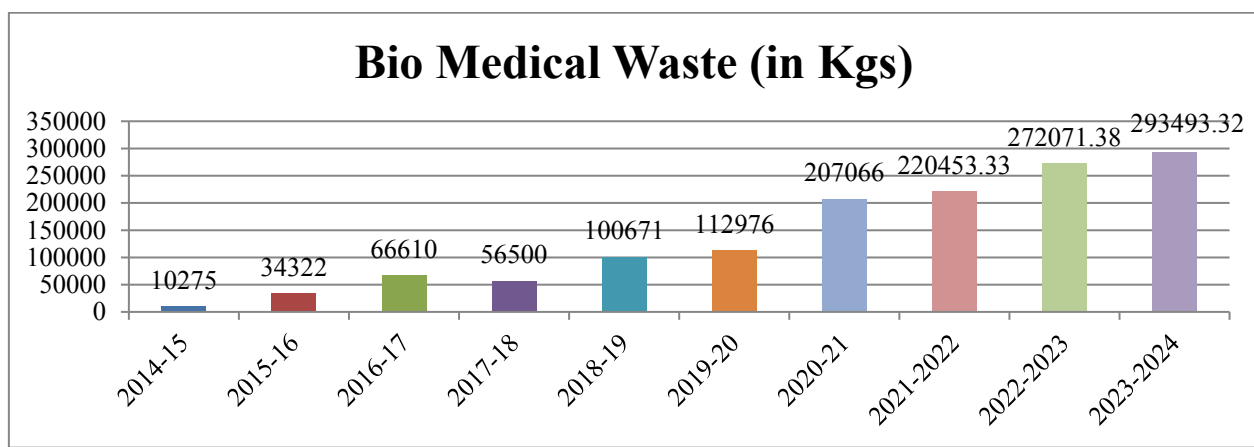


- Total no. of Digital Transaction Amount



Sr. No	Year	No of Digital Txn	Digital Txn Ammount
1.	Apr – 23	4454	9255042
2.	May – 23	5181	9826612
3.	Jun – 23	4934	8558435
4.	Jul – 23	5407	11830045
5.	Aug – 23	3091	6791362
6.	Sep – 23	5436	9857545
7.	Oct – 23	5907	11132804
8.	Nov – 23	5628	11297853
9.	Dec - 23	6538	1,30,83,570
10.	Jan – 24	7216	13124104
11.	Feb – 24	7508	13555128
12.	Mar - 24	7168	12844860

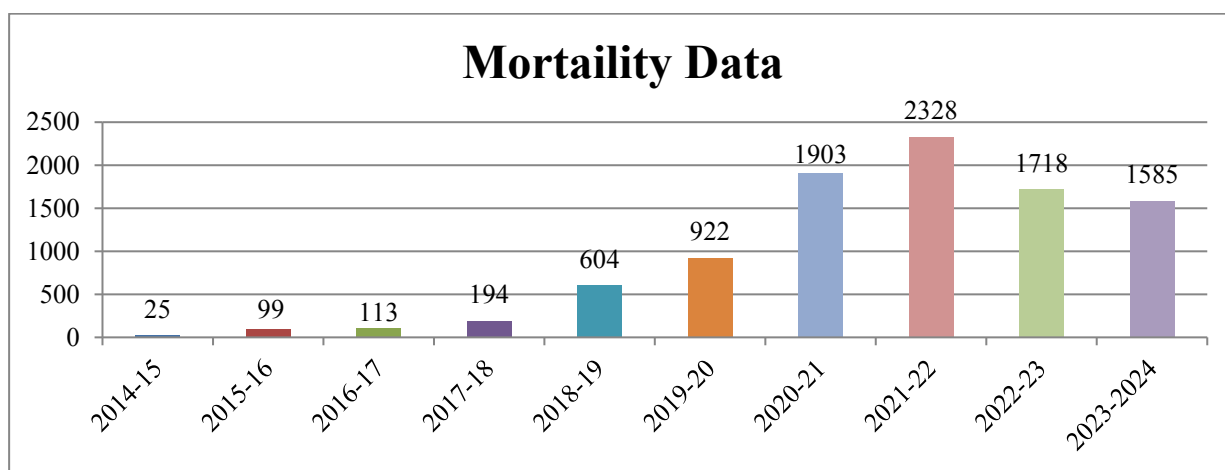
#### 14. BIO – MEDICAL WASTE



Sr. No	Year	Bio Medical Waste (in Kgs)
1	2014-15	10275
2	2015-16	34322
3	2016-17	66610
4	2017-18	56500
5	2018-19	100671
6	2019-20	112976
7	2020-21	207066
8	2021-22	220453.3
9	2022-23	272071.38
10	2023-2024	293493.32

Sr. No	Month	Bio Medical Waste (in Kgs)
1	Apr – 23	23223.7
2	May – 23	27885.63
3	Jun – 23	25917.9
4	Jul – 23	24182.64
5	Aug – 23	23452.56
6	Sep – 23	23912.65
7	Oct – 23	26028.94
8	Nov – 23	23277.2
9	Dec - 23	22526.67
10	Jan – 24	25084.61
11	Feb – 24	22959.3
12	Mar - 24	25041.52



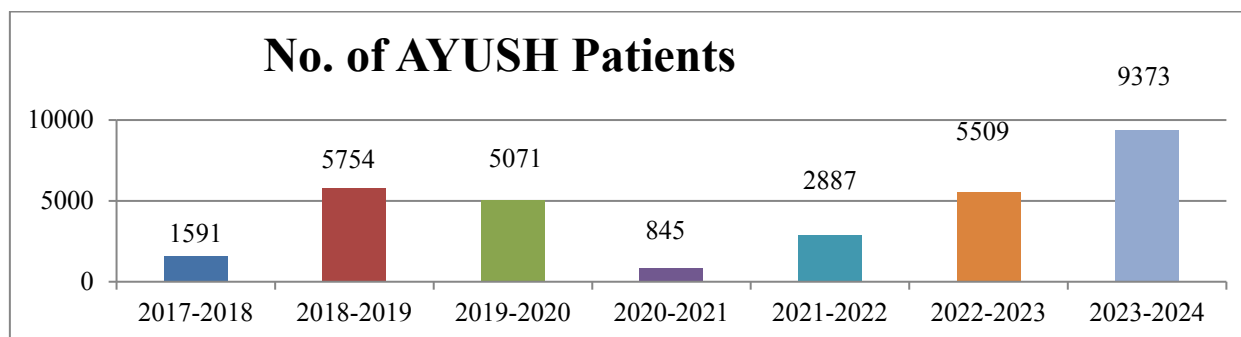
**15. MORTALITY DATA**

Sr. No	Year	Mortality Data
1	2014-15	25
2	2015-16	99
3	2016-17	113
4	2017-18	194
5	2018-19	604
6	2019-20	922
7	2020-21	1903
8	2021-22	2328
9	2022-23	1718
10	2023-2024	1585

Sr. No	Month	Mortality Data
1	Apr – 23	137
2	May – 23	120
3	Jun – 23	139
4	Jul – 23	114
5	Aug – 23	107
6	Sep – 23	126
7	Oct – 23	130
8	Nov – 23	124
9	Dec - 23	151

10	Jan – 24	175
11	Feb – 24	110
12	Mar - 24	152

#### 16. AYUSH DATA



Sr. No.	Year	No. of AYUSH Patients
1	2017-2018	1591
2	2018-2019	5754
3	2019-2020	5071
4	2020-2021	845
5	2021-2022	2887
6	2022-2023	5509
7	2023-2024	9373

Sr. No.	Month	No. of AYUSH Patients
1	Apr – 23	561
2	May – 23	585
3	Jun – 23	540
4	Jul – 23	588
5	Aug – 23	1455
6	Sep – 23	820
7	Oct – 23	872
8	Nov – 23	797
9	Dec - 23	1086
10	Jan – 24	876
11	Feb – 24	1004
12	Mar - 24	777

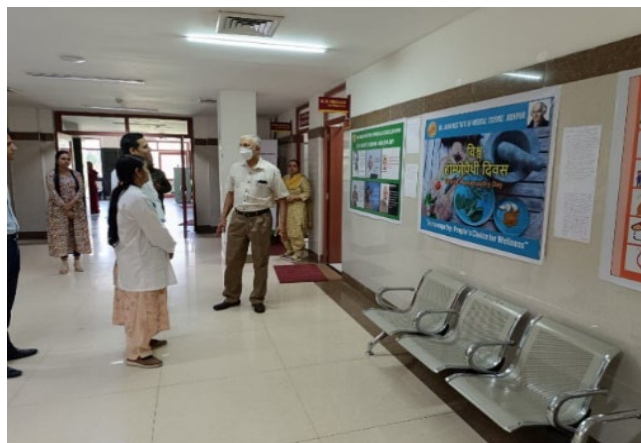
## Department of Ayush

S.No.	Name	Designation
1	Dr. Meenakshi Sharma	Senior Medical Officer Ayush
2	Dr. Deepa Shukla	Medical Officer Yoga
3	Dr. Mohd Abid	Medical Officer Unani
4	Dr. R Shailaja	Medical Officer Siddha
5	Dr. Hemant Ramanlal Vyas	Medical Officer Homeopathy
6	Dr. Purnandu Sharma	Yoga Instructor

### About the Department

OPD services of Ayurveda, Yoga & Naturopathy, Unani, Siddha and Homeopathy are being provided to patients. Patients are getting benefit with various therapies like *Panchkarma*, Acupuncture, *Yoga*, *Varmam* and *Hijama*. Ayurveda unit has been organizing special camp for children to boost immunity called “*Swarn Prashan*” on *Pushya Nakshtra* of every month. Ayush has been providing OPD services in UHTC Pratap nagar for patients with non-communicable diseases in collaboration with Department of Community Medicine & Family Medicine, AIIMS, Jodhpur. Ayurveda and Yoga consultations are being given at **Integrated Health & Wellness Clinic** at OPD Block, AIIMS on every Wednesdays, 2-4 PM. **Daily Yoga sessions** are being taken for patients in the Psychiatric IPD ward. Under student yoga module, yoga sessions are being taken for 1<sup>st</sup> year MBBS and BSc nursing students.

**World Homeopathy Day** Celebration on 10<sup>th</sup> April 2023- Free Checkup and Medicine Distribution camp and Homeopathy Awareness activities carried out.



**International Day of Yoga** was celebrated in the sports complex ground, AIIMS Jodhpur on 21<sup>st</sup> June 2023. More than 180 participants attended common yoga protocol.





Common Yoga Protocol was conducted by Dept. of Ayush, in the Urban health training center, Pratap Nagar, Jodhpur on 21<sup>st</sup> June 2023. More than 40 healthcare workers attended the event. Yoga therapy session as conducted in Urban health training center, Pratap Nagar, Jodhpur on 10<sup>th</sup> June 2023. A workshop on “Stress Management through Yoga” was conducted in All-India Institute of Local Self Government (AII LSG), Jodhpur on 03<sup>rd</sup> June 2023. More than 100 students participated in the workshop.



**8<sup>th</sup> Ayurveda Day** was celebrated from 04-11-2023 to 10-11-2023 in this event Lord Dhanvantari Pooja was performed. As a part of Integrated Teaching, on 4<sup>th</sup> Nov 2023, 100 MBBS students visited Herbal Garden from for learning the traditional usage of herbs along with their phyto-constituents & interactions. on 5<sup>th</sup> Nov 2023, Swarn Bindu Prashan camp was organized for children. The OPD Registration counter was inaugurated by



Dr. Madhabananda Kar, Executive Director, AIIMS Jodhpur at Ayush Block 06-11-2023. On 7<sup>th</sup> & 8<sup>th</sup> Nov 2023, 100 BSc Nursing students visited herbal garden and learn about taxonomy and uses of medicinal plants in Ayurveda. On 9<sup>th</sup> Nov 2023 exhibition of millets and herbs was organized for awareness of common public, patients & staff. Tree plantation drive was carried out in herbal garden on 10<sup>th</sup> Nov 2023 and distributed the medicinal plants to patients and staff.





**2-days Free Siddha Medical Camp** was conducted at Siddha OPD, Department of Ayush, AIIMS, Jodhpur on 21<sup>st</sup> & 22<sup>nd</sup> December 2023, on account of observance of 7<sup>th</sup> Siddha Day in December 2023. The camp was instated with Siddhar Agathiyar Pooja, offered consultation, Varmam therapy services and free medicines were distributed during the camp. Distributed bilingual pamphlets about Siddha system of medicine, conducted simple herbal exhibition of culinary herbs and also dispensed herbal soups to all patients on both the days. Total number of patients benefitted – 51.



**The Unani day** was celebrated on February 12, 2024, a Free Health camp was conducted in which free Unani medicine and Unani Joshanda (decoction) were distributed.



### Ayush OPD 2023-24

S.No.	Year	AYURVEDA	YOGA	UNANI	SIDDHA	HOMEOPATHY	Total
1	2023-24	6188	875	267	965	1078	9373

### Various Therapy in Ayush OPD 2023-24

S.No.	Year	PANCHKARMA	YOGA SESSION	ACUPUNCTURE	VARMAM	CUPPING
1	2023-24	4025	518	264	887	119

**Name of Officer : Dr. Meenakshi Sharma**

**Designation : Senior Medical Officer Ayush**

**Pubmed Indexed:**

1. Bhardwaj P, Ganapathy K, Pathania M, Naveen KH, Charan J, Dutta S, Gadepalli R, Srinivasan S, Gupta MK, Goel AD, Midha N, Kumar B, Sharma M, Sharma P, Banerjee M, Mitra P, Misra S, V V, Subramaniant G, R P, Dhar M, Saxena V, Dhamija P, Singh A, Subramanian S, Kanchibhotla D. Effectiveness of ayurvedic formulation, NAOQ19 along with standard care in the treatment of mild-moderate COVID-19 patients: A double blind, randomized, placebo-controlled, multicentric trial. J Ayurveda Integr Med. 2023 Nov-Dec;14(6):100778.

**Non-Pubmed Indexed:**

1. Devadiya1 P, Sharma G P, Sharma M. A clinical study of vamana karma with madanaphala kashaya yoga through oral route and madanaphala ghreya yoga through nasal route in the management of ekakushtha (psoriasis). Int. J. Green Pharm. 2023;17 (4):341-350.
2. Sharma G P, Sharma, Sharma M, Kalal P. A Case study on effect of Janu dhara in Sandhigata vata w.s.r to OA. IJARESM. 2023;11(9):1067-1075.

**Paper Presented:**

1. Won best paper presentation award (2<sup>nd</sup> rank) for participated in KUMARCON-2023 International Conference on Recent Advances in Child health Care Through Ayurveda, organized by P.G. Department of Kaumarbhritya, DSRRAU Jodhpur, held on 28<sup>th</sup> -30<sup>th</sup> December 2023 **“Role of Keraliya Panchkarma in Paediatrics Disorders (Cerebral Palsy)”** Dr. Gyan Prakash Sharma & Dr. Meenakshi Sharma
2. Paper presentation in KUMARCON-2023 International Conference on Recent Advances in Child health Care Through Ayurveda, organized by P.G. Department of Kaumarbhritya, DSRRAU Jodhpur, held on 28<sup>th</sup> -30<sup>th</sup> December 2023 **“Role of Ayurved & Panchakarma in Holistic Health Approach of Child”** Dr. Meenakshi Sharma & Dr. Gyan Prakash Sharma.

**Sessions Chaired:**

1. Invited as a Chairperson/Panelist for the topic Preventive & Lifestyle Medicine on 17<sup>th</sup> February, 2024 for the International Cardiology Conference, ISHR (International society of Heart Research) from 16-18 Feb 2024 at AIIMS Jodhpur.

**Invited lectures:**

1. Invited as a guest lecture in the Orientation Program for Allied Health Sciences (AHS), Batch-2023(2<sup>nd</sup> batch) the topic of lecture was **“Healthy Eating Habits- Towards Wellness”** on 23/09/2023 in medical college AIIMS Jodhpur.
2. Online lecture on **“Rediscovering the Ancient Grains”** as a part of the activities under “International Year of Millets”2023 held on 24-06-2023, organized by Regional Ayurveda Research Institute, Itanagar Arunachal Pradesh (virtual)

**Resource Faculty:**

1. Resource person to conduct Integrative teaching under UNCLE-teaching on 01/04/2023 for students of MBBS batch-2021, AIIMS Jodhpur visited the Herbal garden along with faculties namely, Prof. Sneha Ambwani, HoD, Dr. Jay Karan Charan, Additional Prof. and Senior residents of Department of Pharmacology
2. Attended 1<sup>st</sup> interactive meeting as Nodal officer, regarding Ayush ICMR -Advance Centre for Integrated Health and Research (AI-ACIHR) at New Delhi, Organized by Ministry of Ayush held on 19<sup>th</sup> July 2023
3. Participated as a moderator in Public Lecture about **"Integrated Health System"** on 01/Sep./2023 at AIIMS Jodhpur..
4. Resource person/discussant in the Orientation Workshop on Integrative Medicine held on 30<sup>th</sup> October 2023 at National Institute of Mental Health and Neuro Sciences (NIMHANS), Bengaluru
5. Participated as a Panelist in Universal Health Coverage (UHC) Day commemoration event, jointly organized by School of Public Health (SPH) and College of Nursing AIIMS Jodhpur on 12/12/2023. The theme of the event was **"Health for All: Time for Action"**
6. "Stakeholders Convention on Integrative Health Solutions for Infectious Diseases" Organized by ICMR- National Institute of Traditional Medicine, Belagavi, Karnataka on 14th-15th March 2024

**Projects:****Ongoing****As Co-Investigator**

1. Efficacy and safety of Panchkuta powder in the treatment of Dyslipidemia: A randomized open label feasibility trial. Funding Agency- National Institute of Ayurveda Jaipur
2. Effectiveness of Yoga based Cardiac Rehabilitation (Yoga-CaRe) in Heart Failure: A Randomized Controlled Clinical Trial abbreviated as yoga-care-hf trail. Funding Agency- ICMR-New Delhi.
3. Project "Efficacy and safety of Drakshavaleha in combination with Punarnavadi Mandura compared to iron folic acid in the treatment of iron deficiency anaemia among non-pregnant women of reproductive age group: A community-based, multicenter, parallel-arm, open-label, randomized controlled trial". Funding Agency- ICMR-New Delhi.

**Fellowship/Membership:**

1. Member of Institutional Scientific Committee (SC) of Sri Sri Institute for Advance Research (SSIAR) Art of Living International Center Bengaluru.

**Others Professional Recognition and Achievements:**

1. Health Care Award-2023 certificate of excellence in the field of Ayurveda, sponsored by Dainik Bhaskar

**National/ International Conferences attended:**

1. Attended webinar on Millets (Shree Anna) Organized by Regional Ayurveda Research Institute, Itanagar on 24/05/2023
2. Participated in the National workshop on "Research Methodology Shodh Mimamsa-2023" Organized by Department of Maulik Siddhant of DSRRAU, Jodhpur on 29<sup>th</sup> -31<sup>st</sup> May 2023
3. Participated in workshop on 19<sup>th</sup> August 2023 on "Medical Photography" organized by Department of Medical Education and Technology AIIMS Jodhpur.



4. Disability assessment and documentation during IAPMR National Midterm CME 2023. Department of Physical Medicine and Rehabilitation, All India Institute of Medical Sciences, Jodhpur, 14-17<sup>th</sup> September 2023.
5. Participated in the Aachaara rasaayanam webinar on “Ayur Clinics- From Ayurveda Classics to Clinics” held on 8<sup>th</sup> Oct. 2023 conducted by Sitaram Ayurveda research Foundation.
6. Participated in the Aachaara rasaayanam webinar on “understanding Gunas from a different perspective” held on 15<sup>th</sup> Oct. 2023 conducted by Sitaram Ayurveda research Foundation
7. Participation in the One-Day National webinar on “Understanding the Basti therapy and its mode of action” held on 24<sup>th</sup> Dec. 2023, organized by Vishwa Ayurved Parishad
8. Participated in the webinar on “Hypertension: A Risk factor of Thromboembolic stroke” held on 28<sup>th</sup> February 2024, jointly organized by School of Public Health AIIMS Jodhpur & Gauhati Medical College & Hospital, supported by Global Health Advocacy Incubator, Washington DC, USA
9. Participation in the One-Day National Conference on Mixed Methods Research in Yoga on virtual mode organized by CCRYN CMBIY, Department of Yoga & Naturopathy, AIIMS, Raipur on 2<sup>nd</sup> March 2024.

**Name of Officer** : **Dr Deepa Shukla**  
**Designation** : **Medical Officer Yoga**

**Sessions Chaired:**

1. Invited as a Chairperson/Panelist for the topic Preventive & Lifestyle Medicine on 17<sup>th</sup> February, 2024 for the International Cardiology Conference, ISHR (International society of Heart Research) from 16-18 Feb 2024 at AIIMS Jodhpur.

**Invited lectures:**

1. **Online Lecture** on the topic “Constipation is Mother of Disease” at Yenepoya Medical College, Mangalore, Karnataka on account of Constipation Awareness week on 21<sup>st</sup> December, 2023.

**Resource Faculty:**

1. Invited as a Panelist “Integrating Yoga & Naturopathy Departments in AIIMS: Challenges and strategy”. International conference of Naturopathy, on account of 6<sup>th</sup> Naturopathy Day, organized by CCRYN (Central Council of Naturopathy & Yogic Sciences), New Delhi, at Patanjali University, Haridwar, on 18-19<sup>th</sup> November, 2023.
2. Invited as a Panelist for 1 Day CME on End of Life Care: Bridging Health Care Professionals & societal prospective. Department of CM & FM at AIIMS Jodhpur.
3. Nominated for the ICMR Task Force Investigators Meeting at Delhi ICMR Headquarters as a representative from AIIMS Jodhpur, for the PAN India Yoga Project – Yoga CaRe HF Trial on 19<sup>th</sup> January, 2024

**Projects:**

**Ongoing**

**As Co-Investigator**

1. Effectiveness of yoga-based cardiac rehabilitation (yoga-care) in heart failure: a randomized controlled clinical trial abbreviated as Yoga-CaRe -HF trial. Funding Agency- ICMR

**National/ International Conferences attended:**

1. Attended the International Cardiology Conference, ISHR (International society of Heart Research) at AIIMS Jodhpur, 16-18 Feb 2024

**Name of Officer** : Dr. R. Shailaja  
**Designation** : Medical Officer Siddha

**Books/Chapters:**

1. Meenakumari R, Christian GJ, Sugunthan S, **Shailaja R**, A Handbook on Siddha Diabetology (*Madhu megam*). First Edition, Chennai, National Institute of Siddha, 2023; 1-134

**Invited lectures:**

1. Siddha system of Medicine- Overview and Research perspectives. Centre for Technology in Traditional Medicine, Anna University, Chennai, held at Anna University, AC Tech Campus, Chennai on 29<sup>th</sup> February 2024

**Resource Faculty:**

1. “**Multidisciplinary perspectives on health benefits of millets**” in virtual mode with the focus on ‘Concepts of millets in Siddha medicine’ organized by National Institute of Nutrition, Hyderabad on 15<sup>th</sup> July 2023.

**Reviewership of Journals:**

1. Reviewer, Journal of Research in Siddha Medicine, Central Council of Research in Siddha, Ministry of Ayush, Govt of India, Chennai.

**National/ International Conferences attended:**

1. “Ancient wisdom of Siddha Medicine in Preventive & Promotive health care – A National Conference”. Central Council for Research in Siddha, Ministry of Ayush, Govt. of India at Kalaivanar Arangam, Chennai on 28<sup>th</sup> & 29<sup>th</sup> February 2024.
2. Webinar on “Infertility –Clinical experiences sharing with Evidence” Dr. Sreeni T.V. Sitaram Ayurveda Research Foundation on 28<sup>th</sup> January 2024.
3. Disability assessment and documentation during IAPMR National Midterm CME 2023. Department of Physical Medicine and Rehabilitation, All India Institute of Medical Sciences, Jodhpur, 14-17<sup>th</sup> September 2023.
4. “Training in Good Clinical Practice, New Drugs and Clinical Trials Rules 2019 and ICMR National Ethical Guidelines” organized by Research Section, All India Institute of Medical Sciences, Jodhpur on 15<sup>th</sup> September 2023.
5. International virtual conference on Physiology and Life style medicine Department of Physiology, All India Institute of Medical Sciences, Bibi Nagar, 20<sup>th</sup> & 21<sup>st</sup> July 2023.

**Name of Officer** : Dr. Hemant Ramanlal Vyas  
**Designation** : Medical officer Homeopathy

**Resource Faculty:**

1. Universal Health Coverage (UHC) Day commemoration event on December 12, 2023 as Panelist (The event was organized jointly by the School of Public Health (SPH) AIIMS Jodhpur and the College of Nursing with the support of the World Health Organization (WHO) in commemoration of Universal Health Coverage (UHC) Day at AIIMS Jodhpur On December 12, 2023.)

**Name of Officer : Dr. Purnandu Sharma**

**Designation : Yoga Instructor**

**Projects:**

**Ongoing**

**As Co-Investigator**

1. Effectiveness of Yoga based Cardiac Rehabilitation (Yoga-CaRe) in Heart Failure: A Randomized Controlled Clinical Trial abbreviated as yoga-care-hf trail. Funding Agency- ICMR-New Delhi.
2. Project “Efficacy and safety of Drakshavaleha in combination with Punarnavadi Mandura compared to iron folic acid in the treatment of iron deficiency anaemia among non-pregnant women of reproductive age group: A community-based, multicentre, parallel-arm, open-label, randomized controlled trial”. Funding Agency- ICMR-New Delhi.
3. The role of yoga practices in head and neck cancer patients managed with surgery first curative intent treatment: A randomized controlled trial. Funding Agency- American Society of Clinical Oncology- Conquer Cancer, USA
4. Comparative study on the effect of 2 types of relaxation technique on stress and cardiac oscillations among healthy volunteers: A Pilot study. Non-funded.

# **4<sup>th</sup> Convocation**



## **4<sup>th</sup> Convocation at AIIMS, Jodhpur (3<sup>rd</sup> February 2024)**

The 4<sup>th</sup> Convocation of All India Institute of Medical Sciences, Jodhpur was held on 3<sup>rd</sup> February 2024 at Auditorium, AIIMS Jodhpur. Dr. Mansukh Mandaviya, Hon'ble Minister of Health & Family Welfare, Govt. of India, and Shri Bhajan Lal Sharma, Hon'ble Chief Minister of Rajasthan was the chief guest for the ceremony. It was a moment of privilege for all the Faculty, Students, and Staff of AIIMS Jodhpur. The convocation started with lamp lighting and invocation to the goddess Saraswati. Welcome address and presentation of the progress report of AIIMS Jodhpur was given by Prof. Madhabananda Kar.

Prof. Madhabananda Kar, Executive Director, AIIMS Jodhpur highlighted the achievements of AIIMS Jodhpur in the last 11 years. Dr. S. S. Agarwal, President, AIIMS Jodhpur addressed the gathering and congratulated the team at AIIMS Jodhpur under the leadership of Prof. Madhabananda Kar for making history in patient care, education, and research in such a short span of time.

President AIIMS Jodhpur Dr. S.S. Agarwal applauded the ranking achieved by AIIMS Jodhpur (NIRF Ranking – 13<sup>th</sup> Rank in all India and 6<sup>th</sup> Rank all over India in India today Ranking.)

During the convocation, Pradhan Mantri Bhartiya Janausadhi Kendra, Model Early Intervention Centre for Neonatology, Comprehensive Lactation Management Centre (CLMC), and Central Animal House was inaugurated and dedicated at AIIMS Jodhpur by Dr. Mansukh Mandaviya, Hon'ble Minister of Health & Family Welfare, Govt. of India. Similarly, various facilities at other AIIMS (Bhubaneswar, Bilaspur, Deoghar, Gorakhpur, Nagpur, and Rishikesh) were also inaugurated and dedicated by Dr. Mansukh Mandaviya, Hon'ble Minister of Health & Family Welfare, Govt. of India.

In addition, the inauguration and foundation stone laying of NHM, PMABHIM as well as dedication to the nation of super-specialty Block in SMS Medical College, Jaipur.

Chief Guest, Dr. Mansukh Mandaviya, Hon'ble Minister of Health & Family Welfare, Govt. of India, and Shri Bhajan Lal Sharma, Hon'ble Chief Minister of Rajasthan, AIIMS Jodhpur awarded medals to the meritorious students.

The Exhortation Ceremony of the Degree Holders (M.B.B.S., B.Sc. Nursing) was proclaimed by Prof. Madhabananda Kar, Executive Director, AIIMS Jodhpur.

5 President's Gold Medals were awarded to the MBBS & Nursing students during convocation: -

- I. President's Gold Medal for standing 1<sup>st</sup> in MBBS – Batch 2016
- II. President's Gold Medal for standing 1<sup>st</sup> in MBBS – Batch 2017
- III. President's Gold Medal for standing 1<sup>st</sup> in BSc (Honours) Nursing – Batch 2017
- IV. President's Gold Medal for standing 1<sup>st</sup> in BSc (Honours) Nursing – Batch 2018
- V. President's Gold Medal for standing 1<sup>st</sup> in BSc (Honours) Nursing – Batch 2019

11 Named Awards were awarded to the MD/MS students during convocation: -

- I. Shri Suresh Chand Modi Gold Medal for standing First in Regular MD (Anaesthesiology & Critical Care – Dr. Vaishnavi BD (Batch 2017-2018).
- II. Shri Suresh Chand Modi Gold Medal for standing First in Regular MD (Anaesthesiology & Critical Care – Dr. Hariprasad R (Batch 2017-2018).
- III. Shri Suresh Chand Modi Gold Medal for standing First in Regular MD (Anaesthesiology & Critical Care – Dr. Arunsahayaraja M (Batch 2019-20).
- IV. Prof. Praveen Sharma Gold Medal for standing first in Regular MD (Biochemistry) – Dr. Malavika L (Batch 2017-2018).
- V. Prof. Praveen Sharma Gold Medal for standing first in Regular MD (Biochemistry) – Dr. Shruti Gupta (Batch 2018-19).
- VI. Prof. Rajesh Sharma Gold Medal for standing First in Regular MD (Physiology) – Batch 2017-18.
- VII. Prof. Rajesh Sharma Gold Medal for standing First in Regular MD (Physiology) – Batch 2018-19.
- VIII. Prof. N.C. Misra Gold Medal for standing First in Regular MS (Surgery) – Batch 2018-19
- IX. Prof. N.C. Misra Gold Medal for standing First in Regular MS (Surgery) – Batch 2019-20.
- X. Prof (Mrs.) P.K. Misra Gold Medal for standing First in Regular MD (Paediatrics) - Batch 2018-19.
- XI. Prof (Mrs.) P.K. Misra Gold Medal for standing First in Regular MD (Paediatrics) - Batch 2019-20.

Dr. Mansukh Mandaviya, Hon'ble Minister of Health & Family Welfare, Govt. of India, and Shri Bhajan Lal Sharma, Hon'ble Chief Minister of Rajasthan highlighted the contribution by earlier leaders in the development of AIIMS Jodhpur. He also congratulated the faculty, staff & students for their achievements & contribution to AIIMS, Jodhpur.

➤ In the convocation following Undergraduate students were awarded the degree: -

- MBBS Batch 2016 - 95 students
- MBBS Batch 2017 - 94 Students
- BSc (Nursing) Batch 2017 - 61 students
- BSc (Nursing) Batch 2018 - 61 students
- BSc (Nursing) Batch 2019 - 57 students

➤ Postgraduate students were also awarded the degree in the convocation: -

- MD/MS Batch January 2018 - 46 students
- MD/MS Batch July 2018 - 58 students
- MD/MS Batch January 2019 - 46 students
- MD/MS Batch July 2019 - 54 students
- MD/MS Batch January 2020 - 40 students
- DM Batch July 2018 - 21 students
- DM Batch January 2019 - 4 students
- DM Batch July 2019 - 11 students
- DM Batch January - 6 students
- M.Sc. (Medical) Batch 2019 - 6 students
- M.Sc. (Medical) Batch 2020 - 1 student
- M.Sc. (Medical) Batch 2021 - 3 students
- M.Sc. (Nursing) Batch 2019 - 20 students
- M.Sc. (Nursing) Batch 2020 - 19 students
- MPH Batch 2017 – 6 students
- MPH Batch 2018 – 14 students

- MPH Batch 2019 – 15 students
  - MPH Batch 2020 – 14 students
  - MPH Batch 2021 – 15 students
  - Med Tech (Masters – 2021) – 5 students
- Nine students of PhD were also awarded the degree in the convocation: -
- PhD July 2017 – 4 students
  - PhD January 2018 – 3 students
  - PhD July 2018 – 1 students
  - PhD July 2019 – 1 students

In the end, Dean(Academics) Prof. Shilpi Gupta Dixit delivered a vote of thanks.

**Admission in various courses in session 2023-24, AIIMS Jodhpur:**

Course	Number of Student Admitted
Undergraduate (M.B.B.S.)	125
Undergraduate (B.Sc. Nursing)	100
Undergraduate (B.Sc. Hons. Paramedical)	30
Postgraduate (MD/MS/MDS)	149
Postgraduate (M.Sc. Nursing)	33
Postgraduate (MPH)	19
Super specialization (DM/MCh)	59
Ph.D.	13





# **Medical Education at AIIMS Jodhpur**



## Medical Education at AIIMS Jodhpur

The thrust area of Medical Education at institute is still aligned with the Vision, Mission and Goals but smoothly shifting to a wider role satisfying to some extent the National Education Policy 2020. Collaborate and integrate is main emphasis of the Institute. It continued to contribute towards quality of teaching and improvement in patient care to a family centric approach. Faculty members at AIIMS Jodhpur are making continuous efforts toward Quality Improvement in Medical Education using innovations and novel methodologies to engage students. Following were the activities performed and new initiatives taken during the year from 2023-24:

1. The **4<sup>th</sup> Convocation** was held on 3<sup>rd</sup> February 2024 with Minister of Health & Family Welfare, Hon'ble Dr Mansukh Mandaviya as the Chief Guest. Degrees awarded to MBBS, BSc (Hons), PG students, MedTech, MPH and PhD students.
2. **UG Orientation Program (Foundation):** The orientation program initiated on 7<sup>th</sup> August 2023 and included parents and guardian on first day. Student were apprised about functioning and life at AIIMS Jodhpur through video and site visits. A WhatsApp group was also used for introduction and polling. Program ended on 16<sup>th</sup> August and the feedback was encouraging. They enjoyed sessions with interaction and especially that with Clickers. Feedback was analysed to make improvements in the future.
3. **The new elements of Undergraduate program** included "Early Clinical Exposure" which has now became a part of AIIMS Jodhpur model of medical education. Various aspects of this model continued like Problem based learning, Unconventional Learning (UNCLE) and Flipped Classroom. New activities were also introduced:
  - a. Chandra Yaan Mahotsav on 4<sup>th</sup> September 2023
  - b. **Dendrite:** Held on 8<sup>th</sup> October and 19<sup>th</sup> December 2023
  - c. **First Alumni Meet AIIMS Jodhpur:** held on 16-17 September 2023
4. **Preparation for Internship (PRINT) Program:** 2019 Batch started internship on 1<sup>st</sup> January 2024 and were oriented to team working, professionalism, waste management, record keeping and various aspect to facilitate their working as a doctor.
5. **PG Orientation Program:** We conducted PG orientation in October 2023. Students were apprised about the teaching, training and research program as well as about innovations in our curriculum. They are also apprised about the exam pattern and thesis guidelines. Additionally, they had a session on "Residents as Teachers".
6. **Joint program in Medical Technologies (Masters in Medical technologies, Dual degree, PhD program):** This unique program continues as a collaborative effort between AIIMS Jodhpur and IIT Jodhpur. The program was initiated with a vision to develop new technologies in healthcare which can be utilised for the purpose for better and cost-effective healthcare delivery.
7. **MD-PhD program:** A unique initiative of dual degree MD-PhD program was initiated at AIIMS Jodhpur with an aim to promote scientific research and prepare physician-scientists who can contribute to translational research for better patient care.
8. **Clinical Grand Rounds and Clinicopathological conference:** The institute continued its weekly academic events in form of CGRs and CPCs. Also, various clinical cases of significance were discussed on this forum via morbidity and mortality meets. The programs were conducted twice a week enabling faculty members and post graduate students to be apprised of recent developments and advances in different domains of medicine.
9. **Guest lectures:** In addition to online CGRs and CPCs, guest lectures by eminent experts were held for a variety of topics. Post graduate students and interns were sensitized towards emerging best practices in different domains of the practice of the art of medicine.
  - a. Wing Commander Ajay Kumar on "Introduction to Space Medicine" on 19 April 2023.
  - b. Dr Sagnik Dey, IIT Delhi on "Air-pollution Modelling for epidemiology research" on 23 April 2023
  - c. Dr. Ashok Kumar Varshney, National Organising Secretary, Arogya Bharti, "**Integrated Health System**", 1<sup>st</sup> September 2023
  - d. Padma Bhushan Dr K K Talwar: "**Institution Buildings- AIIMS and PGI**" on 6<sup>th</sup> October 2023

10. Being a part of **Institute Innovation Council** by Ministry of Education, various activities were organised under this initiative to engage faculty members as well as postgraduate and undergraduate students.
11. On behalf of National Academy of Medical Sciences (India), an online CME “Drone Delivery in Healthcare: Hype or Hope” was organized on 1<sup>st</sup> July 2023, speakers- Dr Jayan Mohanta, IIT Jodhpur & Dr Pradeep Dwivedi, AIIMSJ.
12. **Continuing new modules:**
  - a. **Yoga module:** A Yoga module was introduced for undergraduate students to help them learn and practice yoga-based meditation techniques. The aim of the module was to familiarise students with the art and practice of Yoga. Practice of such techniques would have students adjust with daily stressors and become more efficient in managing their day-to-day routines. The sessions were conducted under expert supervision of a senior Yoga instructor. Encouraging feedback was received from the students regarding the module.
  - b. **Management module:** Management skills are gradually being recognised as an essential skill for doctors and other healthcare professionals. In this context, AIIMS Jodhpur started a management module as part of 7<sup>th</sup> semester of MBBS curriculum. Sessions were held on various management principles to help students become better equipped for healthcare practice.
  - c. **Family adoption program:** A unique program was started for first year undergraduate students wherein they were attached with a family of a newborn delivered in the hospital. The students are required to eventually follow up the family to better understand the common problems faced by families in the general population outside the hospital premises. They are expected to be in regular contact with such families throughout their MBBS curriculum and serve as first point contact to healthcare facilities at AIIMS Jodhpur.
13. **Faculty and Residents’ Development under Department of Medical Education:** Consequent to the approval of Academic Committee, Department of Medical Education was created to enhance the quality of medical education, faculty development and innovations in education. The faculty are encouraged to experiment with new ideas using scientific technology. Weekly meetings were held to discuss multiple aspects of Medical Education Technology. Following were achievements of the Department:
  - a. Medical Photography on 19<sup>th</sup> August 2023
  - b. “Workshop on PowerPoint Presentations” on 23<sup>rd</sup> September 2023
  - c. Workshop on Use of Google Forms on 9<sup>th</sup> October 2023.
  - d. Dr Vidhi Jain and Dr Maya Gopalakrishna attended 90<sup>th</sup> NTTC Workshop at JIPMER, Puduchery
  - e. 1<sup>st</sup> Senior Resident’s Primer Workshop on MET held on 16 March 2024
  - f. 2<sup>nd</sup> Senior Resident’s Primer Workshop on Medical Education Technologies held on 20<sup>th</sup> April 2024

Our post graduate students and Senior residents continue to bring laurels to the institute by participating in various national and international forums and winning awards and commendations.

# **Student Welfare Activities**



## Student Welfare Activities

AIIMS Jodhpur, along with rigorous academic training, encourage students to pursue extra-curricular activities for a holistic development of the students so that he or she should possess intellectual knowledge and professional acumen to enable him/her to be globally competent and socially and environmentally conscious. The Dean of Students' Welfare plays a crucial role in a university or educational institution, and their main objectives and duties revolve around promoting the overall well-being and development of students.

Objectives and duties include:

**Student Welfare:** The primary objective of the Dean of Students' Welfare is to ensure the well-being and welfare of all students. This includes addressing their concerns, providing support and guidance, and creating a conducive environment for academic and personal growth.

Getting involved in sports clubs, societies and nurturing hobbies is a great way to meet new people, enjoy one's time at the Institute and ensure that students strike a healthy balance between studying and enjoying social life. Extra-curricular activities help students to develop and use their skills and knowledge in different contexts and such activities are an essential element of the campus experience to enable him/her to interact and communicate with others, work in a team, coordinate and cooperate with others, etc.

The following **extracurricular activities** for the **students** were held during the period from 01<sup>st</sup> April 2023 to 31<sup>st</sup> March 2024.

1. **IQMU QUIZ** – IQMU Quiz held by KMC, Manipal during 17<sup>th</sup> -19<sup>th</sup> April, 2023. Total 04 MBBS students from following batches have participated in this quiz from AIIMS, Jodhpur.

Sno.	Name	MBBS Batch
1.	URVISH AGRAWAL	2019
2.	JAY KIYADA	2019
3.	NAYAN KUCHERIA	2019
4.	SAURAV SHAH	2019

2. **Art of Living Classes-** A One-hour Classes/Workshop from 14<sup>th</sup>-17<sup>th</sup> June, 2023 on *Mind management and Meditation* by the Yoga and Meditation Club were organised for MBBS students. The details as below:

Batch	Date	Venue	Time
2021	14 <sup>th</sup> June 2023	LT3	4-5 PM
2020	15 <sup>th</sup> June 2023	LT2	4-5 PM
2019	16 <sup>th</sup> June 2023	LT4	4-5 PM
2018	17 <sup>th</sup> June 2023	LT1	1-2 PM

3. **Janmashtami 2023-** Janmashtami was celebrated on 07<sup>th</sup> September, 2023 at Amphitheatre, AIIMS-Jodhpur. Dance-drama enactments of the life of Krishna, Dahi Handi, devotional singing through the midnight when Krishna was born, were a part of the Janmashtami celebrations.

4. **Tejas 2023-** Annual sports meet "Tejas-2023" was held from 05<sup>th</sup> - 09<sup>th</sup> September, 2023. The permission/approval of Rs. 6,70,000 approx. to organize Tejas was taken from the Executive Director vide



noting dated: 02/08/2023. All the MBBS batches and College of nursing participated in various Sports and track and field events. Sports competitions involved individual competitions and team competitions. Competitions for the title of champion and other prizes were preceded by qualifying competitions, which determine the eligibility of participants for the main event and track and field meets. Sports competitions were conducted as a combination of the round robin and the elimination system. Separate competitions are held for men and women. Officials ensured that the rules established for sports competitions were followed and that proper results were recorded. During the Closing ceremony, Executive Director, AIIMS Jodhpur gave away the prizes, trophies, medals to the winners.

5. **fgah fnol ^eflu^ 2023%** हिंदी दिवस के उपलक्ष्य में दिनांक 14.09.2023 को 01 दिवसीय अंतर संस्थानीय प्रतियोगिता **^eflu^** का आयोजन किया गया जिसकी अनुमति कार्यकारी निदेशक एम्स से सदस्य सचिव, हिंदी साहित्य परिषद, एम्स जोधपुर द्वारा नोटिंग के माध्यम से दिनांक 28.08.2023 को ली गई थी जिसके लिए अनुमानित खर्च 70,000 रुपए था। सभी संकाय, रेसिडेंट्स और छात्र (एमबीबीएस और नर्सिंग) इसमें आमंत्रित किया गया। प्रतियोगिता “मंथन” के प्रमुख कार्यक्रम निम्नानुसार थे :

fnukd	dk Øe
14 सितम्बर 2023	<ul style="list-style-type: none"> <li>डिजिटल कला रचनात्मक लेखन (9:00 am -10:00 am)</li> <li>अनुवाद एवं वर्तनी (10:00 am -11:00 am)</li> <li>स्वरचित काव्यपाठ(11:00 am-01:00 pm)</li> <li>वाद-विवाद (2:00 pm -04:00 pm)</li> </ul>

6. **NATIONAL UG IADVL UG QUIZ-2023-** National UG IADVL Quiz held on 16<sup>th</sup> September, 2023 in Calicut, Kerala. Total 02 MBBS students from following batches have participated in this quiz from AIIMS, Jodhpur. The permission/approval of Rs. 8,000 to participate college team in quiz was taken from the Executive Director vide noting dated: 02/09/2023.

Sno.	Name	MBBS Batch
1.	URVISH AGRAWAL	2019
2.	SAURAV SHAH	2019

7. **Foundation Day-2023** – “Spic Macay” was held under foundation day celebration of AIIMS, Jodhpur on 17<sup>th</sup> September, 2023.
8. **7<sup>th</sup> Autopsy Quiz “Forense” 2023-** 7<sup>th</sup> Autopsy Quiz “Forense” organized by AIIMS, Bhopal on 28<sup>th</sup> October, 2023 in which our students have participated. The following MBBS Students participated in Quiz:

S.No.	Name of Students	MBBS Batch
1.	Dhruv Rohila	2020
2.	Purshotam Jhord	2020

9. **Fresher's day**- "Fresher's Day" for MBBS batch- 2023 organized by MBBS batch -2022 was held on 31<sup>st</sup> October, 2023 in the College Auditorium. The event involved participation and performances of fresher students individually and in groups. Also Mr. and Miss fresher were selected by a panel of judges comprising of faculties chosen by the senior batch. All this was followed by feast and DJ night for the students.
10. **DANCE WORKSHOP** - The members of Fusion, Dance Club of AIIMS, Jodhpur had organized an 'Dance Workshop' of total 03 days, 21<sup>st</sup> -23<sup>rd</sup> November, 2023 at Student Activity Center from 06:00 PM – 08:00 PM.
11. **Ganesh Chaturthi 2023**- A 10-days event from 19<sup>th</sup> September, 2023 (Ganesh Sthapana) to 28<sup>th</sup> September 2023 (Ganesh Visarjan) is being organized by MBBS Batch-2021 at Prayer room/ Puja sthal opposite new Girls' hostel. All faculty members, Group A & B Administrative Officers, Interns & Residents, all undergraduate & postgraduate medical students and Nursing students were cordially invited for daily Aartis comprising of devotional singing which were held during morning and evenings.
12. **NAVRATRI -2023 "Rangtari "** – On the occasion of Navratri a 09-days event "Rangtari - 2023" from 15<sup>th</sup> October 2023 (Murthi Sthapana) to 23<sup>th</sup> October 2023 is being organized by MBBS batch-2021 at Prayer room/ Prarthanasthal opposite new Girls' hostel daily morning and evening aartis (devotional singing) were performed during the Navratri. *Garba* performances included singing and a musical accompaniment provided by *dhol* and cymbals. The students attired in colorful dresses, danced on a circular pattern characterized by a sweeping action from side to side.
13. **PharmaQuest-2023**- PharmaQuest-2023 quiz was held on 24<sup>th</sup> November, 2023 at AIIMS, Bhopal. AIIMS, Jodhpur was represented by the following MBBS students:
  - i. Akshay Shah (MBBS 2021)
  - ii. Divy Gambhava (MBBS 2021)
14. **Junior Medillectuals-2023**- Junior Medillectuals-2023 was held at Maulana Azad Medical College, Delhi on 13<sup>th</sup> December, 2023. AIIMS, Jodhpur was represented by the following MBBS students:
  - i. Sangam Harsolia (MBBS 2021)
  - ii. Sanchita Ghiya (MBBS 2021)
15. **Senior Medillectuals-2023**- Senior Medillectuals-2023 was held at Maulana Azad Medical College, Delhi on 14<sup>th</sup> December, 2023. AIIMS, Jodhpur was represented by the following MBBS students:
  - i. Saksham Saini (MBBS Batch-2021)
  - ii. Jadhav Pooja Anil (MBBS Batch-2021)
16. **Farewell** - Farewell for MBBS batch-2018 was organized by Batch-2019 on 6<sup>th</sup> January 2024 to bid a cheerful adieu to the students passing out and to make friendship of the juniors & seniors stronger.
17. **The Saraswati Pooja** - was organized on 14<sup>th</sup> February 2024 at AIIMS-Jodhpur on the occasion of Basant Panchami to worship Goddess Saraswati, the symbol of knowledge and wisdom. The students participated in morning and evening pooja followed by a lunch in the student mess.

18. **“IGNUS-2024”** - The intercollege festival of IIT, Jodhpur “IGNUS-2024” held from 15<sup>th</sup>-18<sup>th</sup> February, 2024 AIIMS, Jodhpur was represented by the MBBS students of batch 2019, 2020, 2021, 2022 and 2023.
19. **“IPHACON-2023”**- was held from 15<sup>th</sup> -17<sup>th</sup> March 2024, at ABVIMAS (Atal Bihari Vajpayee Institute of Mountaineering & Allied Sports) Manali, Himachal Pradesh
- i. Shrikant Dixit (MBBS 2020)
  - ii. Chitransh Tiwari (MBBS 2020)
  - iii. Aditya Joshi (MBBS-2021)
20. **“AURA –2024”** -Intercollege Literary and Culture Fest – “AURA-2024” was held from 19<sup>th</sup> – 23<sup>rd</sup> March, 2024.

## 21. Students counseling services

Faculty of Psychiatry department is providing counseling to our students for their emotional, academic and other psychological problems. We also have a Student Counselor for baseline assessment of students' personality along with ongoing interaction, personality development and counseling services. Undergraduate and Postgraduate students have availed counseling service for their emotional, academic and other psychological problems during April 2023- March 2024.

We had also organized 'Personality development program' for our students and received their feedback for better coordination, services and harmony.

The institute and administration understands its responsibility of creating an environment well equipped with a mechanism beneficial for betterment and sustainable development of students and is constantly working for it.

## 22. Mentorship program

As a new entrant to the professional courses (MBBS and B.Sc. Nursing) at the AIIMS Jodhpur, students have a unique opportunity to be mentored by a faculty member and a senior medical student, the Peer Mentor.

All the students and faculty are part of this vibrant program. We have received good feedback from students, faculty mentors, college administration and students' parents. It has substantially benefitted students, faculty and institution.

We have also started peer mentorship program along with existing faculty mentoring for 1st and 2nd year students. Near-Peer mentors are undergraduate students in their 5th to 9th semesters, who have volunteered for mentoring their junior colleagues. They are our most valuable resource and eminently suited to be mentors because they still recall the difficulties they faced as new students and their assistance can make college life easier and more enjoyable for new entrants.

We have also designed guidelines for mentees and mentors. For better coordination, smooth functioning and liaison, we are regularly having meetings with faculty and peer mentors and seeking feedback from mentees.

23. **Sports Complex-** The sports facility is an integral part of educational activity to keep students physically and mentally healthy and for this, Institute has established huge sports complex with indoor and outdoor game facilities.

The institute boasts of the state-of-the-art infrastructure for sports. The sports complex comprises of a sprawling Sports stadium, with Cricket ground, Football and Hockey ground, 04 Tennis courts, 02 Basketball courts, and 02 Indoor Badminton courts.

24. **Gymnasium** - A well-equipped state-of-the-art Gymnasium has been established within campus in the student mess complex 1<sup>st</sup> floor for the Students and Faculty. The gymnasium is a proud addition to the services and facilities offered to the students complying with the saying, “A Healthy mind resides in a Healthy Body”. It contains world class equipments like treadmills and strength machines for exercise and work out. In short, the gym provides an ideal atmosphere for the students to spend their free time in something that is productive and healthy and keeps them active throughout the day.
- The complex also has a Music room (it is large enough to be used for small band practices), hobbies room, a crèche, and food court.

25. **Meditation room-** A meditation room has been established for the students to practice meditation in the AYUSH building. In an effort to support the holistic wellness of the employees and students’ community, the Meditation Room was created. It is our hope that the meditation room will allow students and employees to experience a place of peace and solace while learning and working.



*Inter batch sport festival “Tejas”*



*Participating batches for "Tejas"*





***Garba Nights during “Navratri Celebration”***



***Lawn tennis court***



***Hockey under flood lights***





***Girls volley ball match***



***Basketball court***



***Football match in progress***



***Cricket match in the stadium***



***Indoor badminton court***



***kabaddi match in progress***





***Gymnasium***



***Chess match being played***



***Carrom match being played***

***Student Activity Center***



***Student Activity Center***



***Squash Sports***



# Central Facilities



## Central Facilities

### Central Library

With the start of the academic session at AIIMS, Jodhpur in 2012, a makeshift Library was established at the erstwhile Project Cell of the Institute. From there, the Central Library was established to occupy its present place on the first floor of the Medical College building.

The Library was formally inaugurated by Professor Manjit S. Bains, Memorial Sloan Kettering Cancer Center, USA in the presence of Professor Sanjeev Misra, Founder Director & CEO, AIIMS, Jodhpur on 17<sup>th</sup> December, 2015.

The Central Library houses various books on medical and nursing subjects and also has multiple computer terminals for the use of Faculty, staff and students. The Library is Wi-Fi enabled. It has 4155 Medical textbooks, 667 Nursing textbooks, 71 e-Books in Nursing subjects and 77 eBooks in Medical specialties. More than 81 e-Journals from various publishers have been subscribed to by the Library.

In March 2016, the Library became a member of the ERMED Consortium initiated by NML, New Delhi. Through this portal, access to more than 224+ e-journals and e-books across various specialties, has been made available. Subscription to 'UpToDate', which is an evidence-based clinical decision support resource, was started in March 2017. Lippincott Advisor & Lippincott Procedures was also subscribed to in 2018. Subscription of the Clinical key complete database was started in 2018-2019.

In the year 2019, BMJ Complete E-Resources Package and Cochrane Database was also subscribed. In 2021, the Library became a member of the DELNET Library Network. Scopus (abstract and citation database) subscription to help the Faculty and Residents for access to timely and quality research was carried out. MyLOFT (Remote access facility) enables all subscribers to access all the e-resources of the Central Library from anywhere in the world. Grammarly as a tool to aid in writing grammatically correct research articles with anti-plagiarism checking facility, has been subscribed. OMMBID GENITIC Database was subscribed to in 2022.

638 English and Hindi literature books and novels for general reading are available in the Library. Several national and regional newspapers and periodicals of general interest are also available. The Library has a separate wing for E-Library with 31 workstations wherein different subjects are taught using various simulation and software modules. The Library provides a reprography service at nominal payment.

From time to time, Central Library organizes user orientation cum training programs, in both offline and online mode.

CCTV cameras have been installed in the Library to provide a secure reading environment. In 2024, digitization of library services has been carried out with the installation of RFID and DSPACE, issuing of Library cards to users and a kiosk placed outside for facilitating online return of books.



Out Side Reading Area



E Library &amp; Stack Area

### Central Mess Services

1. At present the Mess Committee has the following members:-

S. No.	Name of Member	Post
1	Dr. Pankaj Bhardwaj	Chairperson
2	Dr. Ashish Kumar Nayyar	Member Secretary
3	Dr. Surjit Singh	Member
4	Dr. Om Lata Bhagat	Member
5	Dr. Akhil Goel	Member
6	Dr. Rashmi Rathore	Member
7	Mr. Amit Mundra	Member
8	Mrs. M. Sonia	Member
9	Dr. Renu Gupta	Member
10	Mrs. Vandana Panday	Member
11	Dr. Mamta	Member



2. Formerly the number of halls in the mess building was 6 including catenaries. After that the mess building was renovated. The renovation work is almost complete. After renovation, a large hall for about 800 students in the lower floor of the main mess is P.G. towards the hostel and a big hall has been built towards the old girls hostel.
3. Faculty Dining hall, Faculty Activity Hall, Canteen in Food Court and recently Nescafe Corner etc. have been constructed in the first floor.
4. A mess has also been constructed by the committee in the girls' hostel, which has a capacity of about 400 girls.
5. A kitchen area has been constructed in the middle of the main mess. Along with the facility of various kitchen appliances, Store Facility, Deep Freezer, separation of Non-Veg. items, Waste Disposal, Separate Storage for vegetables, separate entrance for mess staff etc. have been provided by the committee.
6. Mess Committee provides mess facilities to MBBS, Nursing and Para Medical students through fees Rs. 36,225/- per annum for students. At present, M/s Kisan Catering, Jodhpur is providing meal facility at the rate of Rs. 94.50 paise per day (breakfast, lunch, dinner and dinner).
7. A team of 02-02 members has been formed by the student representative of each batch for the following work by the committee for mess related complaints of students.
  - Hygiene/ Cleanliness
  - Quality
  - Infrastructure
  - Wastage
  - Menu

The team informs the mess committee on any complaint about the said work. After that appropriate action is taken by the committee on that matter.

8. Special items are also arranged by the Mess Committee during special celebrations and festivals.
9. M.B.B.S. Apart from Nursing and Para Medical students, Senior Residence, Junior Residence, P.G. Students, & AIIMS Employees also used Mess and canteen also provided through cash.
10. The Dietitian Department visits the site from time to time and solves the problems and complaints related to the mess and the necessary rules, cleanliness and directions related to the mess are told to the staff.
11. The committee organizes meetings from time to time for mess related and student related complaints. In which the related complaints are redressed.



Meal Time in the hostel mess



## Guest House

The Guest House Committee is as under:

S.No.	Name	Designation	Role
1	Dr. Naveen K. H.	Additional Professor Dept. of CMFM	Chairperson
2	Dr. Ashish Agarwal	Assistant Professor Dept. of Gastroenterology	Member
3	Dr. Lokesh Agarwal	Assistant Professor Dept. of Surgical Gastroenterology	Member
4	Col. Surender Kumar	Financial Advisor	Member Secretary

- ❖ The Guest House at AIIMS, Jodhpur serves as an exclusive accommodation facility primarily intended for faculty members, students, and their acquaintances. It boasts a total of 13 rooms, including 10 normal rooms and 3 suites. All rooms are equipped with air conditioning. Normal rooms can accommodate a maximum of two guests, while every suite features two bedrooms and include a mini refrigerator. Additionally, suites are furnished with sofas for added comfort. Guest House also provides lodging options along with dining facilities to the faculty members/ doctors of other Institutes who attends/participates the seminars/workshops/trainings held at AIIMS, Jodhpur. Additionally, the Guest House features a spacious waiting hall and a dedicated dining room. Recently, it has expanded its offerings with the inclusion of four Type-II Quarters (202/1, 202/2, 202/3, 202/4), transferred for management and upkeep on October 20, 2023 to Guest House.
- ❖ For accommodations, the daily rates are as follows:
  - Normal rooms: Rs. 560/- per day (inclusive of 12% GST)
  - Suites: Rs. 840/- per day (inclusive of 12% GST)
  - Type-II Quarters: Rs. 448/- per day (inclusive of 12% GST)
- ❖ The dining room at the Guest House can accommodate up to 10 guests at once. Meals are offered at the following rates (inclusive of 12% GST):
  - Breakfast: Rs. 56/-
  - Lunch: Rs. 84/-
  - Dinner: Rs. 84/-
  - Special Meal: Rs. 168/-
- ❖ This setup ensures a comfortable and convenient stay for guests visiting AIIMS, Jodhpur, providing lodging options along with dining facilities tailored to their needs.
- ❖ The present Guest House Committee was formed on January 3, 2024, succeeding the previous committee which had been established on August 17, 2022, and served until January 3, 2024. The composition of the former Guest House Committee was as follows:

S.No.	Name	Designation	Role
1	Dr. Pankaj Bhardwaj	Professor Dept. of CMFM	Chairperson
2	Dr. Ashish Kumar Nayyar	Additional Professor Dept. of Anatomy	Member
3	Dr. Ankita Chugh	Professor Dept. of Dentistry	Member
4	Sh. Amit Mundra	F&CAO	Member
5	Sh. Sanjay Dhabai	Administrative Officer	Member

- ❖ The Guest House also caters to special meal requirements during workshops, seminars, and examinations, tailored to the needs of participants. Specifically, during the MBBS and PG examinations held across various departments of AIIMS, Jodhpur in the months of May-June and December, the demand for meals spikes significantly. It's not uncommon for the Guest House to serve between 150 to 200 plates of lunch per day during these busy periods.
- ❖ Guest House waiting hall is also available for rent for charges of rs. 448/- (incl. of 12% GST) for 6 hours.
- ❖ The Guest House premises are under round-the-clock CCTV surveillance to ensure the safety and security of all occupants and visitors.
- ❖ The Guest House Committee convenes regularly to discuss and resolve various issues related to the efficient operation of the Guest House, ensuring optimal management and guest satisfaction.
- ❖ In Guest House, guests are encouraged to provide valuable suggestions through a feedback form, ensuring continuous improvement and personalized service at the Guest House.
- ❖ The VVIP Guest House is also maintained and operated by Guest House.
- ❖ The Guest House and VVIP Guest House underwent upgrades during the visit of the Hon'ble former Health Minister, Shri Mansukh Mandaviya Ji on 03/02/2024. This included the replacement of some older cushions, mattresses, sofas, bed sheets, pillows, curtains, and blankets with new ones.

## **Sports facilities:**

AIIMS Jodhpur has an excellent sports infrastructure.

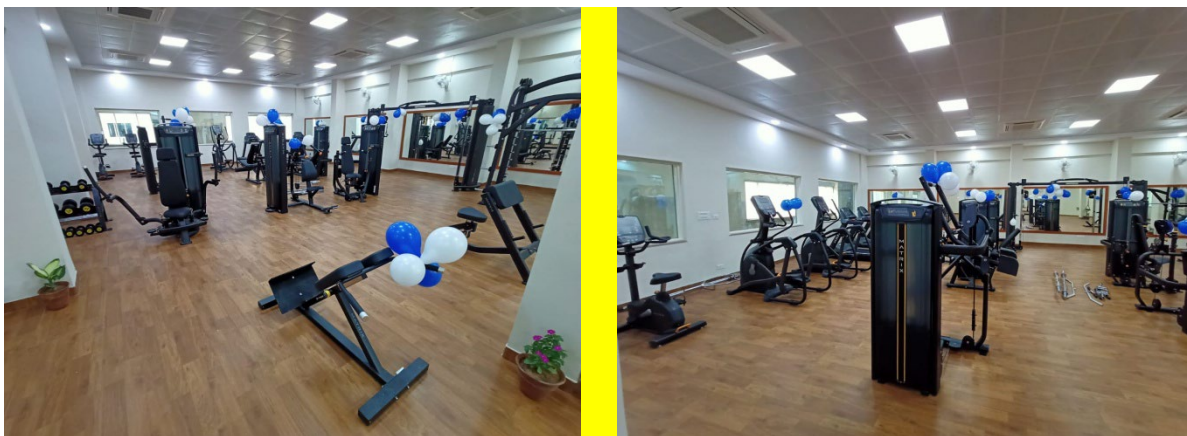
This includes a football field, cricket ground, practice cricket pitch, two tennis courts, basketball court, volleyball court, rink hockey field and facilities for table tennis and indoor sports like carrom and chess. Well-equipped gymnasium and calisthenics set up are also available.

Recent addition to the facilities is a state-of-the-art Students' activity centre (SAC) which has an indoor 50-meter swimming pool, three wooden floor badminton courts, a squash court, space for a gymnasium and indoor sports like snooker, table tennis and carrom.

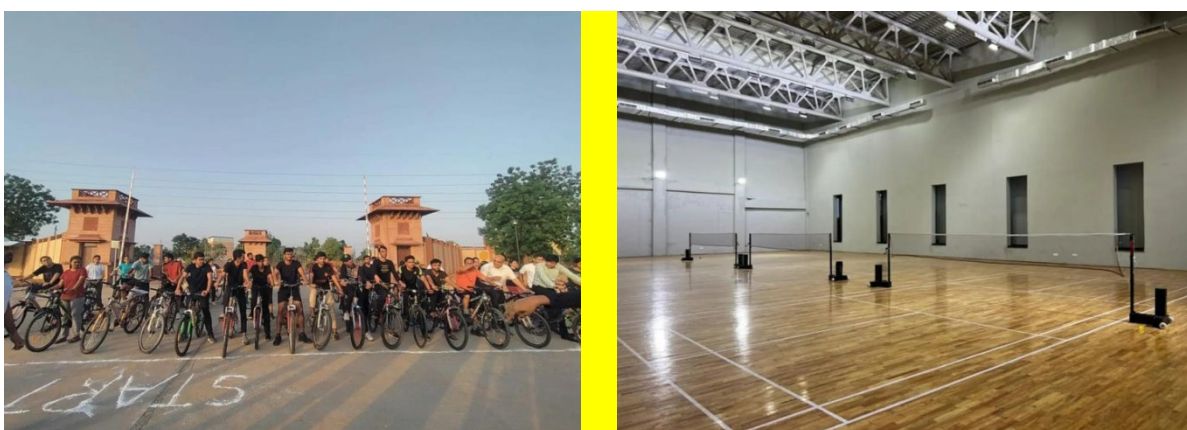
These facilities provide ample opportunities for the students to explore their sports talents and helps them in their overall development.

In September every year the institute holds a one of its kind sports weeks for the MBBS and Nursing students which sees participation by over 1000 students at the Institute.

Over the years the students at the Institute have utilized these facilities very well and regularly do the Institution proud by winning various events and tournaments at the state and national levels.

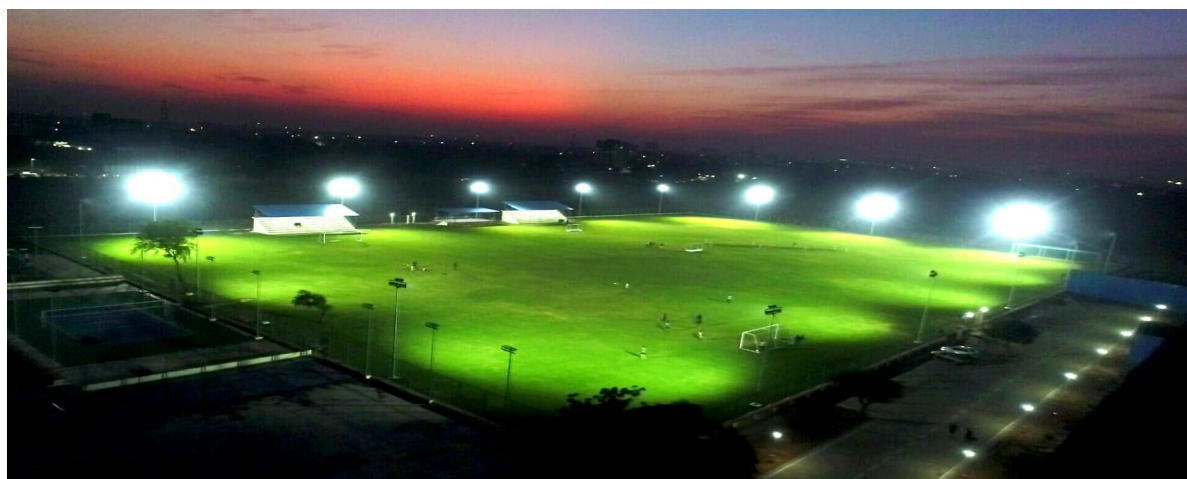


Gymnasium



Participants

Indoor facilities



Sports Ground at AIIMS, Jodhpur

## Information Technology Cell

AIIMS Jodhpur is proud to have a strong Information Technology (IT) infrastructure that supports various aspects of its operations. This robust IT system is designed to efficiently manage patient information, facilitate teaching activities, and aid in research endeavours. Through electronic systems and advanced technologies, AIIMS Jodhpur ensures seamless patient management, enhances the educational experience for medical professionals, and promotes cutting-edge research initiatives. This IT infrastructure plays a vital role in improving healthcare services, medical education, and scientific research at AIIMS Jodhpur.

**The IT Infrastructure:** AIIMS Jodhpur boasts a cutting-edge IT infrastructure equipped with state-of-the-art hardware, software, and high-speed internet connectivity. The system includes a robust Local Area Network (LAN) employing fiber optics, copper wires, and Wi-Fi routers. Internet connectivity is facilitated through the National Knowledge Network (NKN), ensuring high speeds and bolstered by advanced cybersecurity measures including firewalls and network security services. The Institute is furnished with the latest technology, including desktops with Intel microprocessors, laptops, printers, scanners, bar code scanners, and Kiosks, enhancing efficiency and productivity across various functions.

**Information and Communication Technology (ICT) :** AIIMS Jodhpur utilizes ICT in healthcare for Education, Research, Referral (telemedicine), Hospital Management System, Health Research, and Data Management, enhancing learning, enabling remote consultations, and ensuring efficient data handling for better healthcare outcomes and research.

**Hospital Information System (HIS) :** AIIMS Jodhpur's integrated Hospital Information System (HIS) manages all patient activities since 2013. It covers online registration, outpatient and inpatient management, investigations, referrals, personnel, store distribution, equipment, blood bank, legal aspects, health statistics, family planning, and maternal/child health. Additionally, it oversees services like ambulance, CSSD, Biomedical Waste Management, OT, ICU, and rural healthcare. The system enables telemedicine, tracks pharmacy, equipment, linen, cash flow, biomedical waste, and blood bank online. It ensures efficient hospital management, paperless processes, and streamlined patient care.

AIIMS Jodhpur extends its HIS services to satellite hospitals and rural/tribal health centers, catering to rural patients. The system efficiently manages patient activities, ensuring seamless care in remote areas.

**Electronic Library (E-Library) :** In addition to patient management, AIIMS Jodhpur's IT Cell provides various services, including E-Library access. Faculty and residents can use institutional VPN to access E-Journals globally.

**Video Conferencing :** AIIMS Jodhpur has a video conferencing room enabling simultaneous conferences. They live-stream public lectures on YouTube and broadcast OT procedures to lecture theatres. The institute also develops user-friendly websites and a recruitment portal in-house.

**Miscellaneous :** AIIMS Jodhpur's IT cell offers Wi-Fi services in the Teaching Block and Hospital area. The institute uses a dedicated SMS portal, sending automated reminders to patients 48 hours before their scheduled follow-up visits, having sent approximately 100,000 messages so far.

## Social Outreach Cell

### About the Social Outreach Cell

Social Outreach Cell at All India Institute of Medical Sciences was constituted on 25th July 2019 for improving and extending the reach such as health education, case management, basic health screening, and facilitating access to services. These activities directly and indirectly improve health outcomes of individuals and communities.

From time to time, Social Outreach Cell receives requests from schools, Government organizations as well as NGOs etc. for organizing health outreach camps for screening as well as health awareness. The Cell coordinate between different departments for organizing these outreach activities.

Any proposal for an outreach activity received in any specialty/ department is routed through this cell to the Director, AIIMS, Jodhpur. The cell maintains all the record of such activities and take necessary permissions for conducting these outreach camps.

Social outreach activities under AIIMS Jodhpur are conducted either as an activity initiated from the individual departments or as a request received from different organizations outside AIIMS, which are intending to organize screening, diagnostics, treatment or any related health activity (Awareness & health Promotion) in collaboration with AIIMS Jodhpur. All such activities are communicated via e-mail/ hard copy to Social Outreach Cell. The prescribed proforma- A, is available on the Institution website. Any other department from AIIMS Jodhpur receiving such request forward the request to Social Outreach Cell, in the prescribed proforma-B.

The following activities have been conducted by Social Outreach Cell from 1 April 2023– 31 March 2024.

S No.	Nature of Activity(camp/mobile van/etc.)	Date	Nature of the Outreach Activity	Beneficiaries
1.	Sensitization Program	09/04/2023	Psychological Services	50
2.	Health need assessment	03/04/2023 to 30/07/2023	Gram Panchayat Development Plans under Unnat Bharat Abhiyan by Dept. of School of Public Health	-
3.	Mobile health team training camp under RBSK training	April 2023	Screening camp for children	100
4.	Camp	14/04/2023	Blood Donation Camp	45
5.	Camp	16/04/2023	Blood Donation Camp	55
6.	Camp	30/04/2023	Blood Donation Camp	65
7.	Camp	17/06/2023	Blood Donation Camp	65
8.	Camp	01/06/2023	Blood Donation Camp	44
9.	Camp	28/05/2023	Blood Donation Camp	85
10.	Camp	20/06/2023	Blood Donation Camp	25
11.	Camp	30/07/2023	Blood Donation Camp	65
12.	Camp	14/06/2023	Blood Donation Camp	25
13.	Camp	17/07/2023	Blood Donation Camp	75
14.	Camp	15/08/2023	Blood Donation Camp	65

15.	Camp	15/08/2023	Blood Donation Camp	35
16.	Camp	10/08/2023	Blood Donation Camp	38
17.	Sensitization Program	28/08/2023	Health Check-up Camp ( GSS School, Kaliberi ) by Dept. of School of Public Health	50
18.	Camp	23/08/2023	Blood Donation Camp	45
19.	Sensitization Program	23//08/2023	Health Check-up Camp ( GSS School, Nagauri Gate ) by Dept. of School of Public Health	25
20.	Sensitization Program	31/08/2023, 01/09/2023	Health Check-up Camp (Sanskar International School Chopasni) by Dept. of School of Public Health	250
21.	Sensitization Program	29/08/2023, 05/09/2023	Health Check-up Camp ( GSS School, Pratap Nagar ) by Dept. of School of Public Health	50
22.	Sensitization Program	28//08/2023 06/09/2023	Health Check-up Camp (Dr. P B G GSS School, Residency ) by Dept. of School of Public Health	100
23.	Community Camp (Weekly) at CHC Dhundhara	On every Thursday	Camp	5-7 per visit
24.	Astha Old Age Home Camp (monthly) at Jodhpur	Last Saturday for each month	Camp	12-15 per visit
25.	Navjyoti Manovikash Kendra	Saturday (once in a month)	Camp	20-25 per visit
26.	Activity (Sensitization Program)	09/04/2023	Psychological Services	50
27.	Health need assessment	03/04/2023 to 30/07/2023	Gram Panchayat Development Plans under Unnat Bharat Abhiyan by Dept. of School of Public Health	3650
28.	Mobile health team training camp under RBSK training	April 2023	Screening camp for children	100
29.	Camp	14/04/2023	Blood Donation Camp	45
30.	Camp	16/04/2023	Blood Donation Camp	55
31.	Camp	30/04/2023	Blood Donation Camp	65
32.	Camp	17/06/2023	Blood Donation Camp	65
33.	Camp	01/06/2023	Blood Donation Camp	44
34.	Camp	28/05/2023	Blood Donation Camp	85
35.	Camp	20/06/2023	Blood Donation Camp	25
36.	Camp	30/07/2023	Blood Donation Camp	65
37.	Camp	14/06/2023	Blood Donation Camp	25
38.	Camp	17/07/2023	Blood Donation Camp	75

39.	Camp	15/08/2023	Blood Donation Camp	65
40.	Camp	15/08/2023	Blood Donation Camp	35
41.	Camp	10/08/2023	Blood Donation Camp	38
42.	Sensitization Program	28/08/2023	Health Check-up Camp ( GSS School,Kaliberi)	50
43.	Camp	23/08/2023	Blood Donation Camp	45
44.	Sensitization Program	23//08/2023	Health Check-up Camp ( GSS School, Nagauri Gate )	25
45.	Sensitization Program	31/08/2023, 01/09/2023	Health Check-up Camp (Sanskar International School chopasni)	250
46.	Sensitization Program	29/08/2023, 05/09/2023	Health Check-up Camp ( GSS School, Pratap Nagar )	200
47.	Sensitization Program	28//08/2023 06/09/2023	Health Check-up Camp (Dr. P B G GSS School, Residency)	250
48.	Community Camp (Weekly) at CHC Dhundhara	On every Thursday	Camp	5-7 per visit
49.	Astha Old Age Home Camp (monthly) at Jodhpur	Last Saturday for each month	Camp	12-15 per visit
50.	Navjyoti Manovikash Kendra	Saturday (once in a month)	Camp	20-25 per visit
51.	Sensitization Program & Health Checkup	08/09/2023	School Health Program at Sanskar International School, Jodhpur by Dept. of School of Public Health	167
52.	Others	09-09-2023	World Suicide Prevention Day. Awareness drive for suicide prevention was conducted in Govt. Senior Secondary School Pratapnagar and Adarsh Vidya Mandir	175
53.	Sensitization Program & Health Checkup	11/09/2023	School Health Program at Dr. Padamchand Bilamkanwar Gandhi Govt. Sr. Sec. School, Residency, Jodhpur by Dept. of School of Public Health	41
54.	Sensitization Program & Health Checkup	12/09/2023	School Health Program at Govt. Sr. Sec. School, Pratap Nagar, Jodhpur by Dept. of School of Public Health	35
55.	Sensitization Program & Health Checkup	13/09/2023	School Health Program at Govt. Sr. Sec. School, Badwasiya, Jodhpur by Dept. of School of Public Health	16
56.	School-based	16/09/2023	Training of school teachers & demonstration of school students for oral hygiene	40
57.	School-based	18/09/2023	Speech competition in school on the occasion of Poshan Maah. Students were told to do 5 minutes' speech on locally available food and its	150

			advantages. Prizes were distributed for best performers.	
58.	Sensitization Program & Health Checkup	18/09/2023	School Health Program at Dr. Padamchand Bilamkanwar Gandhi Govt. Sr. Sec. School, Residency, Jodhpur by Dept. of School of Public Health	25
59.	Anganwadi based	19/09/2023	Awareness session on childhood feeding practices in Anganwadi. Health talk and discussion were also done on dietary diversity for prevention of anaemia	25
60.	Facility based (Nukkad natak)	20/09/2023	National Pharmacovigilance week celebration: In co-ordination with Department of Pharmacology, AIIMS Jodhpur, dept of CMFM organiser a "Nukkad Natak" for creating awareness among general population regarding- adverse effects reporting.	45
61.	Pharmacovigilance awareness help desk	18.09.2023 to 23.09.2023	To increase awareness about pharmacovigilance activities and sensitize healthcare professionals and general public about the significance of medicine-related side effects reporting and monitoring by engaging in one on one conversations	350
62.	Sensitization Program & Health Checkup	20/09/2023	School Health Program at Govt. Sr. Sec. School, Badwasiya, Jodhpur by Dept. of School of Public Health	30
63.	Nukkad Natak in CHC Pratap Nagar	20.09.2023	Promote pharmacovigilance awareness, create interest using prevalent clinical scenarios of adverse drug reactions, and inform the public and medical professionals about the importance of reporting medication-related adverse events through scripted demonstrations.	50
64.	Sensitization Program & Health Checkup	20/09/2023	School Health Program at Govt. Sr. Sec. School, Badwasiya, Jodhpur by Dept. of School of Public Health	30
65.	Community Camp (Weekly) at CHC Dhundhara	On every Thursday	Camp	5-7 per visit
66.	Navjyoti Manovikash Kendra	Saturday (once in a month)	Camp	20-25 per visit
67.	Pharmacovigilance awareness help desk	22.09.2023	To increase awareness about pharmacovigilance activities and sensitize healthcare professionals and general public about the significance of medicine related side effects reporting and monitoring by engaging in one on one conversations	75
68.	World Heart Day- marathon	29/09/2023	World Heart Day- marathon race for	450-500



	race for medical students, faculty and nursing officers		medical students, faculty and nursing officers	
69.	World Heart Day- CPR demonstration	29/09/2023	CPR demonstration World Heart Day- CPR demonstration at Ground floor OPD and 4 <sup>th</sup> Floor OPD (11 am & 12 pm respectively)	200-250
70.	World Heart Day- Skit	29/09/2023	World heart day- Skit by students of Nursing college, Ground floor OPD and 4 <sup>th</sup> Floor OPD (2 pm & 3 pm respectively)	200-250
71.	Public Lecture on Coronary Artery Bypass Surgery	29/09/2023	Public Lecture on Coronary artery bypass surgery at 4pm-5pm LT-1 medical college	100
72.	Awareness talk on Radio	29/09/2023	On World heart day public awareness talk on health by Dr Alok Kumar Sharma on FM Radio	
73.	Astha Old Age Home Camp (monthly) at Jodhpur	30-09-2023	Mental Health Camp Astha Old Age Home by Department of Psychiatry, AIIMS Jodhpur	3
74.	Health Camp	30-09-2023	DHANI (Delivering Health Services and improving Access in Native tribal areas through Innovation) Health Camp by Centre of Excellence for Tribal Health, AIIMS, Jodhpur	42
75.	Community Mental Health Camp	04-10-2023	Mental Health Camp at Karwar by Department of Psychiatry, AIIMS Jodhpur	10
76.	Swachhta hi Sewa Activity	01/10/2023	Cleanliness drive Activity at Village Keru (Swachhta hi Sewa)	NA
77.	Sensitization Program & Health Checkup	03/10/2023	Sensitization Program & Health Checkup Under School Health Program at Govt. Se. Sec. School, Pratap Nagar, Jodhpur by Dept. of School of Public Health	34
78.	Mental Health Camp	04/10/2023	Awareness regarding mental health issues, mental health and general health checkups by Department of Psychiatry, AIIMS Jodhpur	20
79.	Community Camp (Weekly on every Thursday) at CHC Dhundhara	05-10-2023	Mental Health Camp at CHC Dhundhara by Department of Psychiatry, AIIMS Jodhpur	7
80.	Mental Health awareness talk at Aakashwani, Jodhpur	06-10-2023	Mental Health awareness talk	NA
81.	Mental Health Camp at Govt. Se. Sec. School, Pratap Nagar, Jodhpur	06/10/2023	skit and awareness regarding mental health issues, mental health and general health checkups by Department of Psychiatry, AIIMS Jodhpur	40
82.	DHANI (Delivering Health Services and improving Access in Native tribal areas through	07-10-2023	Health Camp by Centre of Excellence for Tribal Health, AIIMS, Jodhpur	18

	Innovation) Health Camp			
83.	Astha Old Age Home Camp (monthly) at Jodhpur	09-10-2023	Mental Health Camp by Department of Psychiatry, AIIMS Jodhpur	50
84.	Mental Health awareness talk at Utkrash Classes on "Self-Care and self-management"	10-10-2023	Mental Health awareness talk by Department of Psychiatry, AIIMS Jodhpur	Students /Team Leader
85.	Mental Health awareness talk at Aakashwani, Jodhpur	10-10-2023	Mental Health awareness talk by Department of Psychiatry, AIIMS Jodhpur	NA
86.	Sensitization Program & Health Checkup	10/10/2023	Sensitization Program & Health Checkup Under School Health Program at Govt. Se. Sec. School, Pratap Nagar, Jodhpur by Dept. of School of Public Health	45
87.	Sensitization Program & Health Checkup	11/10/2023	Sensitization Program & Health Checkup under School Health Program at Govt. Sr. Sec. School, Badwasiya, Jodhpur by Dept. of School of Public Health	35
88.	Telemedicine OPD	11.10.2023	By video call and voice call by Department of Neurology	3
89.	Mental Health awareness talk at B.R.Birla School, Jodhpur	12-10-2023	Mental Health awareness talk by Department of Psychiatry, AIIMS Jodhpur	Students/ Teachers
90.	Community Outreach Clinic (Weekly on every Thursday) at CHC Dhundhara	12-10-2023	Outreach clinic by Department of Psychiatry,	4
91.	Sensitization Program & Health Checkup	12/10/2023	Sensitization Program & Health Checkup - School Health Program at Sanskar International School, Jodhpur by Dept. of School of Public Health	42
92.	Community Outreach Clinic (Weekly on every Thursday) at CHC Dhundhara	On every Thursday	Outreach clinic by Department of Psychiatry	6
93.	Outreach clinic Navjyoti Manovikash Kendra	Saturday (once in a month)	Outreach clinic	20
94.	DHANI (Delivering Health Services and improving Access in Native tribal areas through Innovation) Health Camp	14-10-2023	Health Camp by Centre of Excellence for Tribal Health, AIIMS, Jodhpur	24
95.	Sensitization Program & Health Checkup	20/10/2023	School Health Program at Sanskar International School, Jodhpur by Dept. of School of Public Health	28
96.	DHANI (Delivering Health Services and improving Access in Native tribal areas through	21-10-2023	Health Camp by Centre of Excellence for Tribal Health, AIIMS, Jodhpur	15

	Innovation) Health Camp			
97.	Sensitization Program	23/10/2023	Awareness session for commemorating World Iodine Deficiency Day at Govt. Se. Sec. School, Basni Station, Jodhpur	80
98.	Sensitization Program & Health Checkup	25/10/2023	School Health Program at Govt. Sr. Sec. School, Badwasiya, Jodhpur by Dept. of School of Public Health	42
99.	Community Outreach Clinic (Weekly on every Thursday) at CHC Dhundhara	26-10-2023	Outreach clinic by Department of Psychiatry	3
100.	Sensitization Program	26/10/2023	Awareness session for commemorating World Polio Day at Anganwadi Centre Nandghar, Rameshwar Nagar, Jodhpur	20
101.	Health Camp	28-10-2023	DHANI (Delivering Health Services and improving Access in Native tribal areas through Innovation) Health Camp by Centre of Excellence for Tribal Health, AIIMS, Jodhpur	28
102.	Astha Old Age Home Camp (monthly) at Jodhpur	28-10-2023	Mental Health Camp by Department of Psychiatry, AIIMS Jodhpur	8
103.	ADHD awareness talk at Red FM, Jodhpur	31-10-2023	ADHD awareness talk	NA
104.	Sensitization Program & Health Checkup	27/10/2023	Sensitization Program & Health Checkup Under School Health Program at Sanskar International School by Dept. of School of Public Health	42
105.	World Stroke Day Celebration	30/10/2023	Awareness programme regarding Stroke on the occasion of World Stroke Day at CHC Keru	40
106.	Sensitization Program & Health Checkup	31/10/2023	Sensitization Program & Health Checkup Under School Health Program at Govt. Se. Sec. School, Pratap Nagar, Jodhpur by Dept. of School of Public Health	30
107.	Sensitization Program & Health Checkup	01/11/2023	Sensitization Program & Health Checkup under School Health Program at Govt. Sr. Sec. School, Badwasiya, Jodhpur by Dept. of School of Public Health	15
108.	Sensitization Program & Health Checkup	02/11/2023	Sensitization Program & Health Checkup - School Health Program at Sanskar International School, Jodhpur by Dept. of School of Public Health	42
109.	Telemedicine OPD	02/11/2023	By video call and voice call by Department of Neurology	2

110.	Sensitization Program & Health Checkup	03-11-2023	Sensitization Program & Health Checkup Under School Health Program at Sanskar International School by Dept. of School of Public Health	58
111.	Health Camp	04-11-2023	DHANI (Delivering Health Services and improving Access in Native tribal areas through Innovation) Health Camp by Centre of Excellence for Tribal Health, AIIMS, Jodhpur	32
112.	Health Camp	04-11-2023	DHANI (Delivering Health Services and improving Access in Native tribal areas through Innovation) Health Camp by Centre of Excellence for Tribal Health, AIIMS, Jodhpur	16
113.	Outreach clinic	06-11-2023	Community Outreach Clinic (Weekly on every Thursday) at CHC Dhundhara by Department of Psychiatry	5
114.	Sensitization Program & Health Checkup	06-11-2023	Sensitization Program & Health Checkup Under School Health Program at Dr. Padamchand Bilmkanwar Gandhi Rajakiya SR. SEC. School, Residency Road by Dept. of School of Public Health	25
115.	Health Camp	11-11-2023	DHANI (Delivering Health Services and improving Access in Native tribal areas through Innovation) Health Camp by Centre of Excellence for Tribal Health, AIIMS, Jodhpur	12
116.	Outreach clinic	16-11-2023	Community Outreach Clinic (Weekly on every Thursday) at CHC Dhundhara by Department of Psychiatry	04
117.	Community Outreach Clinic (Weekly on every Thursday) at CHC Dhundhara	23-11-2023	Outreach clinic by Department of Psychiatry	2
118.	World Pneumonia Day and National Epilepsy Day Celebration	24/11/2023	Sensitization and Awareness session at Jodhpur Public School and CHC Keru	
119.	Sensitization Program & Health Checkup	28/11/2023	Sensitization Program & Health Checkup Under School Health Program at Govt. Se. Sec. School, Pratap Nagar, Jodhpur by Dept. of School of Public Health	30
120.	Sensitization Program & Health Checkup	29/11/2023	Sensitization Program & Health Checkup under School Health Program at Govt. Sr. Sec. School, Badwasiya, Jodhpur by Dept. of School of Public Health	25

121.	Outreach clinic	30-11-2023	Community Outreach Clinic (Weekly on every Thursday) at CHC Dhundhara by Department of Psychiatry	3
122.	Health Camp	02-12-2023	DHANI (Delivering Health Services and improving Access in Native tribal areas through Innovation) Health Camp by Centre of Excellence for Tribal Health, AIIMS, Jodhpur	17
123.	Outreach Clinic	07/12/2023	Community Outreach Clinic (Weekly on every Thursday) at CHC Dhundhara by Department of Psychiatry	05
124.	Health Camp	09/12/2023	DHANI (Delivering Health Services and improving Access in Native tribal areas through Innovation) Health Camp by Centre of Excellence for Tribal Health, AIIMS, Jodhpur	32
125.	Outreach Clinic	14/12/2023	Community Outreach Clinic (Weekly on every Thursday) at CHC Dhundhara by Department of Psychiatry	01
126.	Health Camp	16/12/2023	DHANI (Delivering Health Services and improving Access in Native tribal areas through Innovation) Health Camp by Centre of Excellence for Tribal Health, AIIMS, Jodhpur	42
127.	Navjyoti Manovikash Kendra	16-12-2023	Outreach clinic	16
128.	Camp	18-12-2023	Nukkad Natak	150
129.	Community Outreach Clinic (Weekly on every Thursday) at CHC Dhundhara	21-12-2023	Outreach clinic by Department of Psychiatry	03
130.	Telemedicine OPD	27.12.2023	By video call and voice call by Department of Neurology	2
131.	Community Outreach Clinic (Weekly on every Thursday) at CHC Dhundhara	28-12-2023	Outreach clinic by Department of Psychiatry	05
132.	Astha Old Age Home Camp (Monthly)	30-12-2023	Outreach clinic	05
133.	DHANI (Delivering Health Services and improving Access in Native tribal areas through Innovation) Health Camp	30/12/2023	Health Camp by Centre of Excellence for Tribal Health, AIIMS, Jodhpur	40
134.	Telemedicine OPD	01.01.2024	By video call and voice call followed by admission Department of Neurology	1
135.	Community Outreach Clinic (Weekly on every Thursday) at CHC Dhundhara	04-01-2024	Outreach clinic by Department of Psychiatry	05

136.	DHANI (Delivering Health Services and improving Access in Native tribal areas through Innovation) Health Camp	06/01/2024	Health Camp by Centre of Excellence for Tribal Health, AIIMS, Jodhpur	40
137.	Community Outreach Clinic (Weekly on every Thursday) at CHC Dhundhara	11-01-2024	Outreach clinic by Department of Psychiatry	03
138.	Viksit Bharat Sankalp Yatra Program	11-01-2024	Health Camp by School of Public Health	100
139.	Viksit Bharat Sankalp Yatra Program	12-01-024	Health Camp by School of Public Health	200
140.	DHANI (Delivering Health Services and improving Access in Native tribal areas through Innovation) Health Camp	13.01.2024	Health Camp by Centre of Excellence for Tribal Health, AIIMS, Jodhpur	50
141.	Sensitization Program & Health Checkup	15/01/2024	Sensitization Program & Health Checkup Under School Health Program at Govt. Se. Sec. School, Kali Beri, Jodhpur by Dept. of School of Public Health	30
142.	Sensitization Program & Health Checkup	16/01/2024	Sensitization Program & Health Checkup under School Health Program at Govt. Sr. Sec. School Pratap Nagar, Jodhpur by Dept. of School of Public Health	25
143.	Community Outreach Clinic (Weekly on every Thursday) at CHC Dhundhara	18/01/2024	Outreach clinic by Department of Psychiatry	07
144.	DHANI (Delivering Health Services and improving Access in Native tribal areas through Innovation) Health Camp	19.01.2024	Health Camp by Centre of Excellence for Tribal Health, AIIMS, Jodhpur	17
145.	DHANI (Delivering Health Services and improving Access in Native tribal areas through Innovation) Health Camp	21.01.2024	Health Camp by Centre of Excellence for Tribal Health, AIIMS, Jodhpur	19
146.	Sensitization Program & Health Checkup	23/01/2024	Sensitization Program & Health Checkup under School Health Program at Govt. Sr. Sec. School Bhadwasiya, Jodhpur by Dept. of School of Public Health	22
147.	Community Outreach Clinic (Weekly on every Thursday) at CHC Dhundhara	25/01/2024	Outreach clinic by Department of Psychiatry	07

148.	DHANI (Delivering Health Services and improving Access in Native tribal areas through Innovation) Health Camp	27.01.2024	Health Camp by Centre of Excellence for Tribal Health, AIIMS, Jodhpur	20
149.	PM SHRI health camp (Govt Senior Secondary School), Dhawa	29-01-2024	PM SHRI health camp	170
150.	Sensitization Program & Health Checkup	29/01/2024	Sensitization Program & Health Checkup Under School Health Program at Residency school, jodhpur by Dept. of School of Public Health	30
151.	PM SHRI health camp (Govt Senior Secondary School), Dhawa	30-01-2024	PM SHRI health camp	170
152.	Health day celebration	30/01/2024	Sensitization and awareness Program Under NTD day and LEPROSY Day at Rajakiya Uchch Madhyamik Vidyalaya, Keru	100
153.	Sensitization Program & Health Checkup	31/01/2024	Sensitization Program & Health Checkup under School Health Program at Govt. Sr Sec School Bhadwasiya, Jodhpur by Dept. of School of Public Health	25
154.	Telemedicine OPD	31.01.2024	By video call and voice call by Department of Neurology	1
155.	Community Outreach Clinic (Weekly on every Thursday) at CHC Dhundhara	01-02-2024	Outreach clinic by Department of Psychiatry	05
156.	Sensitization Program & Health Checkup	02/02/2024	Sensitization Program & Follow up of students Under School Health Program at Residency school, jodhpur by Dept. of School of Public Health	25
157.	DHANI (Delivering Health Services and improving Access in Native tribal areas through Innovation) Health Camp	03.02.2024	Health Camp by Centre of Excellence for Tribal Health, AIIMS, Jodhpur	48
158.	Old Age Home (Saturday)	03-02-2024	Outreach clinic	05
159.	Health Day Celebration	05/02/2024	Sensitization and Awareness Program Under Cancer Day at Bus Stand Paota, Jodhpur by School of Public Health	150
160.	Project work	08/02/2024	Data Collection for Pancreatitis Project, Ratanada, Jodhpur	40
161.	Community Outreach Clinic (Weekly on every Thursday) at CHC Dhundhara	08-02-2024	Outreach clinic by Department of Psychiatry	06

162.	Telemedicine OPD	02.02.2024	By video call and voice call by Department of Neurology	1
163.	SPARSH (Scabies Prevention and Relevance of Sanitation & Hygiene) Initiative	08-02-2024	Health Education and Promotion by Centre of Excellence for Tribal Health, AIIMS, Jodhpur	464
164.	Navjyoti Manovikash Kendra (Saturday)	10-02-2024	Outreach clinic	25
165.	DHANI (Delivering Health Services and improving Access in Native tribal areas through Innovation) Health Camp	10-02-2024	Health Camp by Centre of Excellence for Tribal Health, AIIMS, Jodhpur	22
166.	Health Day Celebration	12/02/2024	Sensitisation and awareness Program Under Sexual and Reproductive Health Day at shree R L Memorial Mahila TT College and Maharishi Dadichi Mahila Mahavidhyalay	200
167.	Menstrual Hygiene Awareness among Adolescent in Tribal Hostels	13-02-24	Health Education by Centre of Excellence for Tribal Health, AIIMS, Jodhpur	150
168.	SPARSH (Scabies Prevention and Relevance of Sanitation & Hygiene) Initiative	13-02-24	Health Education and Promotion by Centre of Excellence for Tribal Health, AIIMS, Jodhpur	50
169.	SPARSH (Scabies Prevention and Relevance of Sanitation & Hygiene) Initiative	14-02-24	Health Education and Promotion by Centre of Excellence for Tribal Health, AIIMS, Jodhpur	130
170.	Menstrual Hygiene Awareness among Adolescent in Tribal Hostels	14-02-24	Health Education	130
171.	Community Outreach Clinic (Weekly on every Thursday) at CHC Dhundhara	15-02-2024	Outreach clinic by Department of Psychiatry	04
172.	SPARSH (Scabies Prevention and Relevance of Sanitation & Hygiene) Initiative	15-02-2024	Health Education and Promotion by Centre of Excellence for Tribal Health, AIIMS, Jodhpur	80
173.	SPARSH (Scabies Prevention and Relevance of Sanitation & Hygiene) Initiative	16-02-2024	Health Education and Promotion by Centre of Excellence for Tribal Health, AIIMS, Jodhpur	148
174.	Menstrual Hygiene Awareness among	16-02-2024	Health Education	50
175.	DHANI (Delivering Health Services and improving Access in Native tribal areas through Innovation) Health Camp	17-02-2024	Health Camp by Centre of Excellence for Tribal Health, AIIMS, Jodhpur	22
176.	Urology Health Camp	17-02-2024	Health Camp	35



177.	SPARSH (Scabies Prevention and Relevance of Sanitation & Hygiene) Initiative	19-02-2024	Health Education and Promotion by Centre of Excellence for Tribal Health, AIIMS, Jodhpur	261
178.	Menstrual Hygiene Awareness among Adolescent in Tribal Hostels	19-02-2024	Health Education	100
179.	Menstrual Hygiene Awareness among Adolescent in Tribal Hostels	20-02-2024	Health Education	100
180.	SPARSH (Scabies Prevention and Relevance of Sanitation & Hygiene) Initiative	20-02-2024	Health Education and Promotion by Centre of Excellence for Tribal Health, AIIMS, Jodhpur	105
181.	Telemedicine OPD	21.02.2024	By video call and voice call by Department of Neurology	2
182.	SPARSH (स्पर्श) (Scabies Prevention And Relevance of Sanitation & Hygiene) Initiative	21-02-24	Health Education and Promotion by Centre of Excellence for Tribal Health, AIIMS, Jodhpur	65
183.	Menstrual Hygiene Awareness of Adolescent Girls in Tribal hostels	21-02-24	Health Education	50
184.	Community Outreach Clinic (Weekly on every Thursday) at CHC Dhundhara	22-02-2024	Outreach clinic by Department of Psychiatry	03
185.	SPARSH (स्पर्श) (Scabies Prevention And Relevance of Sanitation & Hygiene) Initiative	22-02-24	Health Education and Promotion by Centre of Excellence for Tribal Health, AIIMS, Jodhpur	50
186.	Field Telemedicine	23-02-24	Health Camp	05
187.	Menstrual Hygiene Awareness of Adolescent girls in Tribal Hostels	23-02-24	Health Education	75
188.	Old Age Home (Saturday)	24-02-2024	Outreach clinic	03
189.	DHANI (दानी) (Delivering Healthcare Among Natives using Innovation) Health Camp	24-02-24	Health Camp by Centre of Excellence for Tribal Health, AIIMS, Jodhpur	20
190.	Menstrual Hygiene Awareness of Adolescent girls in Tribal Hostels	26-02-24	Health Education	50
191.	SPARSH (स्पर्श) (Scabies Prevention and Relevance of Sanitation & Hygiene) Initiative	27-02-24	Health Education and Promotion by Centre of Excellence for Tribal Health, AIIMS, Jodhpur	190
192.	Field Telemedicine	28-02-24	Health Camp	33

193.	Community Outreach Clinic (Weekly on every Thursday) at CHC Dhundhara	29-02-2024	Outreach clinic by Department of Psychiatry	04
194.	Community Outreach Clinic (Weekly on every Thursday) at CHC Dhundhara	07-03-2024	Outreach clinic by Department of Psychiatry	02
195.	DHANI (डहानी) (Delivering Healthcare Among Natives using Innovation) Health Camp	02-03-24	Health Camp by Centre of Excellence for Tribal Health, AIIMS, Jodhpur	37
196.	Field Telemedicine	05-03-24	Health Camp	08
197.	Field Telemedicine	06-03-24	Health Camp	05
198.	DHANI (डहानी) (Delivering Healthcare Among Natives using Innovation) Health Camp	09-03-24	Health Camp by Centre of Excellence for Tribal Health, AIIMS, Jodhpur	27
199.	Community Educational program (Empowering Educators and Parents)	10-03-2024	Online	--
200.	Field Telemedicine	11-03-24	Health Camp	06
201.	Field Telemedicine	12-03-24	Health Camp	08
202.	Field Telemedicine	13-03-24	Health Camp	09
203.	Community Outreach Clinic (Weekly on every Thursday) at CHC Dhundhara	14-03-2024	Outreach clinic by Department of Psychiatry	07
204.	Anti-Drug awareness rally	15-03-2024	Anti-Drug awareness rally by Narcotics Control bureau, Jodhpur zonal unit.	More than 100
205.	Awareness Program on FM 102.1	15-03-2024	Awareness program about OCD	
206.	DHANI (डहानी) (Delivering Healthcare Among Natives using Innovation) Health Camp	16-03-24	Health Camp by Centre of Excellence for Tribal Health, AIIMS, Jodhpur	20
207.	Field Telemedicine	18-03-24	Health Camp	08
208.	Field Telemedicine	19-03-24	Health Camp	08
209.	Field Telemedicine	20-03-24	Health Camp	12
210.	Poshan Saptah Abhiyan (Health Talk with School Girls)	20-03-24	Health Education	100
211.	Community Outreach Clinic (Weekly on every Thursday) at CHC Dhundhara	21-03-2024	Outreach clinic by Department of Psychiatry	07

212.	DHANI (दानाँ) (Delivering Healthcare Among Natives using Innovation) Health Camp	23-03-24	Health Camp by Centre of Excellence for Tribal Health, AIIMS, Jodhpur	27
213.	Unnat Bharat Abhiyan	27/03/2024	Survey at Keru by Dept. of School of Public Health by Dept. of School of Public Health	40
214.	Community Outreach Clinic (Weekly on every Thursday) at CHC Dhundhara	28-03-2024	Outreach clinic by Department of Psychiatry	04
215.	World TB Day	28/03/2024	Awareness programme regarding TB at Kamla Nehru TB Hospital	40
216.	Old Age Home (Saturday)	30-03-2024	Outreach clinic	04

## **Research Section**

### **Composition:**

<b>S. No.</b>	<b>Name</b>	<b>Designation</b>
1.	Dr. Tanuj Kanchan	Dean (Research)
2.	Dr. Pankaj Bhardwaj	Vice-Dean (Research)
3.	Dr. Jaykaran Charan	Sub-Dean (Research)
4.	Dr. Deepak Kumar	Assistant Dean (Research)
5.	Dr. Lokesh Saini	Assistant Dean (Research)
6.	Dr. Rimple Jeet Kaur	Assistant Dean (Research)

The Research Section facilitates various research activities in-house and outside the Institute. The Research Section formulates the guidelines for research including Intramural, Extramural, STS, Self-Funding projects and also reviews the projects of Faculty and students and further provides format for the same.

Research Section also promotes the Inter-Institutional Collaborations and develop modalities for such collaborations. Recently Research Section has facilitated signing of MoU/Clinical Trial Agreement, which are as follows.

<b>S. No.</b>	<b>Date of MoU/Agreement</b>	<b>Title of MoU/Clinical Trial Agreement</b>	<b>Between the Institutions</b>	
1	1-Apr-23	A Descriptive, survey based mixed methods study of Drug Overdose in Substance use Disorder	All India Institute of Medical Sciences, Jodhpur	National Institute of Mental Health and Neurosciences, Bengaluru (NIMHANS)
2	5-Apr-23	General Agreement	All India Institute of Medical Sciences, Jodhpur	Royal Society of Tropical Medicine and Hygiene, London (RSTMH)
3	20-Apr-23	Experience of Take-Home Buprenorphine in Punjab Opioid Substitution Therapy Centres	All India Institute of Medical Sciences, Jodhpur	Punjab State Aids Control Society Chandigarh
4	20-Apr-23	Strengthening the Medical Certification of the cause of Death (MCCD) practices in public and private healthcare facilities in India: research to implementation"	All India Institute of Medical Sciences, Jodhpur	All India Institute of Medical Sciences, New Delhi
5	20-Apr-23	for Publication of PhD Thesis in Shodhganga/Shodhgangotri	All India Institute of Medical Sciences, Jodhpur	INFLIBNET Centre, Gandhinagar
6	20-Apr-23	Efficacy and safety investigation of NNC0194-0499 co administered with semaglutide in subjects with non	All India Institute of Medical Sciences, Jodhpur	Novo Nordisk India Pvt Ltd. Bangalore and

S. No.	Date of MoU/Agreement	Title of MoU/Clinical Trial Agreement	Between the Institutions	
		alcoholic steatohepatitis: A dose ranging placebo controlled trial		Clinox Research Solution, Jodhpur
7	27-Apr-23	FOxTROT 2 India: A randomized pilot trial evaluating neoadjuvant chemotherapy in older and/or frail patients with locally but operable colon cancer	All India Institute of Medical Sciences, Jodhpur	Christian Medical College & Hospital, Ludhiana, Punjab
8	28-Apr-23	A Randomized, double-blind, placebo-controlled study assessing the long-term effect of dupilumab on prevention of lung function decline in patients with uncontrolled moderate to severe asthma	All India Institute of Medical Sciences, Jodhpur	Sanofi Healthcare India Pvt Ltd. Mumbai Premier Research Group (INDIA) Private Limited
9	4-May-23	Academic research training purpose	All India Institute of Medical Sciences, Jodhpur	Manipal Academy of Higher Education
10	15-May-23	for Starting Training Site at AIIMS, Mangalagiri to conduct AHA-ECC courses under International Training Center (ITC) AIIMS, Jodhpur	All India Institute of Medical Sciences, Jodhpur	All India Institute of Medical Sciences, Mangalagiri
11	15-May-23	AI-driven Robot-assisted cardiac Ultrasound system to Acquire Clinically Useful Standard Echocardiographic Views	All India Institute of Medical Sciences, Jodhpur	IIT, Jodhpur
12	15-May-23	An Open-label, Multicenter, Non-Randomized, Dose-Escalation, Phase 1 Study to Evaluate safety and Efficacy of Intravesical SN-38 Lipid Suspension in Patients with Non-Muscle Invasive Bladder Cancer.	All India Institute of Medical Sciences, Jodhpur	Lambda Therapeutic Research Ltd. Ahmedabad, Intas Pharmaceuticals Ltd, Ahmedabad & Clinox Research Solution, Jodhpur
13	20-May-23	Treatment on Cashless Basis for CGHS pensioners Beneficiaries and other entitled class of beneficiaries at SIX AIIMS	All India Institute of Medical Sciences, Jodhpur	Director, CGHS, MoHFW, GoI,
14	9-Jun-23	ROSHINI: Pan India Initiative for Inclusive Comprehensive Eye Care Services- A multicentric approach	All India Institute of Medical Sciences, Jodhpur	Dr. Rajendra Prasad Centre for Ophthalmic Sciences, AIIMS, New Delhi
15	17-Jul-23	Randomized, Double-Blinded, Placebo-Controlled Study to Evaluate the Safety, Tolerability, and Efficacy of Intravenous Varespladib Followed by Oral Varespladib in Addition to Standard of Care in Subjects Bitten by Venomous Snakes (BRAVIO -	All India Institute of Medical Sciences, Jodhpur	Syneos Health UK Limited, Gurugram Clinox Research Solution, Jodhpur

S. No.	Date of MoU/Agreement	Title of MoU/Clinical Trial Agreement	Between the Institutions	
		Broad-spectrum Rapid Antidote: Varespladib IV to Oral Trial for snakebite)		
16	28-Aug-23	To access data on antidiabetic drugs from VigiBase	All India Institute of Medical Sciences, Jodhpur	Uppsala Monitoring Centre, World Health Organization (WHO)
17	29-Aug-23	MISSION: A Multi-Centric Capacity Building Initiative to Strengthen the Clinical and Laboratory Detection of Melioidosis in India with special focus on the North Eastern States	All India Institute of Medical Sciences, Jodhpur	ICMR New Delhi
18	6-Sep-23	Capacity Building and Strengthening of Hospital Infection Control to Detect and Prevent Antimicrobial Resistance in India. (Between Principal Investigators)	All India Institute of Medical Sciences, Jodhpur	JPN Apex Trauma Centre, AIIMS, New Delhi
19	13-Sep-23	Efficacy and Safety of Punarnavadi Mandura alone and in combination with Drakshavaleha Compared to iron folic acid in the treatment of moderate iron deficiency anaemia among non-pregnant women of reproductive age group: A Community based tree arm multicenter randomized controlled trial	All India Institute of Medical Sciences, Jodhpur	ICMR New Delhi & Central Council for Research in Ayurveda Sciences (CCRAS), New Delhi
20	13-Sep-23	Snake bite Mapping in Rajasthan, India: An Integrated Approach	All India Institute of Medical Sciences, Jodhpur	Bangor University, UK CSIR- Centre for Cellular and Molecular Biology (CCMB), HYD
21	13-Sep-23	Assessment of RMNCAH+N service delivery costs, and evaluation of work patterns and efficiency of Primary Healthcare teams at Ayushman Bharat-Health and Wellness Centers	All India Institute of Medical Sciences, Jodhpur	PGIMER Chandigarh
22	4-Oct-23	Project ECHO (Extension for Community Healthcare Outcomes)	All India Institute of Medical Sciences, Jodhpur	ECHO India (Extension for Community Healthcare Outcomes), New Delhi
23	6-Oct-23	Facilitating Student's Training/Postgraduate and PhD Research	All India Institute of Medical Sciences, Jodhpur	ICAR- Central Arid Zone Research Institute, (CAZRI) Jodhpur

S. No.	Date of MoU/Agreement	Title of MoU/Clinical Trial Agreement	Between the Institutions	
24	10-Oct-23	"HERMES" Effects of zitivekimab versus placebo on morbidity and mortality in patients with heart failure with mildly reduced or preserved ejection fraction and systemic inflammation.	All India Institute of Medical Sciences, Jodhpur	Novo Nordisk India Pvt. Ltd. Bengaluru & Clinox Research Solution, Jodhpur
25	10-Oct-23	REDEFINE 3-The cardiovascular safety of cagrilintide 2.4 mg s.c. combination with semaglutide 2.4 mg s.c. (CagriSema 2.4 mg/2.4 mg s.c.) once-weekly in participants with obesity and established cardiovascular disease.	All India Institute of Medical Sciences, Jodhpur	Novo Nordisk India Pvt. Ltd. Bengaluru & Clinox Research Solution, Jodhpur
26	12-Oct-23	Evaluation of AarogyaAI rapid drug sensitivity test for tuberculosis (addition of Co-I from GMC Patiala)	All India Institute of Medical Sciences, Jodhpur	GMC Patiala & AarogyaAI Innovation Pvt. Ltd.
27	12-Oct-23	Streptococcus Anginosus Group bacterial infection in the Gallbladder bile and the risk of gallbladder cancer in North Indians	All India Institute of Medical Sciences, Jodhpur	Uji-Tokushukai Medical Center Japan
28	12-Oct-23	General Agreement	All India Institute of Medical Sciences, Jodhpur	Pfizer Limited, Bandra (East), Mumbai
29	25-Oct-23	for multicentric Research Collaboration	All India Institute of Medical Sciences, Jodhpur	Indian Pediatric Hematology Oncology Group (INPHOG) Research Foundation, Gurugram India
30	6-Dec-23	Implantation with HCL Suno/Medtech Cochlear Implant System in Adults and Children	All India Institute of Medical Sciences, Jodhpur	HCL Technologies Ltd. New Delhi
31	6-Dec-23	Compliance study for smoke free declaration	All India Institute of Medical Sciences, Jodhpur	Shikshit Rojgar Kendra Prabandhak Samiti (SRKPS), Jhunjhunu
32	15-Dec-23	Practice pattern of Intraoperative Fluid therapy in elective major cancer intestinal cancer surgeries in India (I-INFUSE)-A Multicenter observational study	All India Institute of Medical Sciences, Jodhpur	Tata Memorial Hospital, Mumbai
33	3-Jan-24	Drug Adherence and Quality of Life among Person with HIV(PLHIV) receiving Antiretroviral Therapy at ART centre in Western Rajasthan	All India Institute of Medical Sciences, Jodhpur	Rajasthan State Aids Control Society (RSACS)

S. No.	Date of MoU/Agreement	Title of MoU/Clinical Trial Agreement	Between the Institutions	
34	3-Jan-24	Stigma and Discrimination among Key Population and People living with HIV (PLHIV) in Rajasthan	All India Institute of Medical Sciences, Jodhpur	Rajasthan State Aids Control Society (RSACS)
35	4-Jan-24	General Agreement	All India Institute of Medical Sciences, Jodhpur	Laerdal Medical India Pvt. Ltd
36	20-Jan-24	Mental Health System Assessment- National Mental Health Survey-2 (MHSA-NMHS-2)	All India Institute of Medical Sciences, Jodhpur	National Institute of Mental Health and Neuro Science, (NIMHANS) Bengaluru
37	20-Jan-24	Cure Club foot Jodhpur Programme	All India Institute of Medical Sciences, Jodhpur	CURE India Trust
38	1-Feb-24	Developing cost effective strategies to strengthen and implement tobacco control policies related to bidi	All India Institute of Medical Sciences, Jodhpur	Vital Strategies, New York
39	1-Feb-24	General Agreement	All India Institute of Medical Sciences, Jodhpur	Indian Institute of Science (IISc), Bangalore
40	10-Apr-24	A Phase 2, Prospective, Multicenter Study to Determine the Efficacy and Safety of Cefepime-Zidebactam (FEP-ZID) WCK 5222 for the treatment of adults subjects with serious infections caused by Carbapenem-Resistant Gram-Negative Bacteria Including those with underlying Kidney Dysfunction Precluding the use of Colistin/Polymyxin B	All India Institute of Medical Sciences, Jodhpur	Clinnex Research Pvt. Ltd. Ahmedabad (on behalf of Wockhardt Ltd.) & Clinnox Research Solution, Jodhpur
41	12-Apr-24	Comparative Evaluation of intensified short course regimen and standard regimen for adults TB Meningitis	All India Institute of Medical Sciences, Jodhpur	ICMR- National Institute for Research in Tuberculosis (ICMR-NIRT), Chennai

### Intramural Research Projects:

S. No	Principal Investigator	Department	Name of Project Title	Sanctioned Budget
1	Dr. Lokesh Saini	Paediatrics	Association of HLA class I genotype with carbamazepine/oxcarbazepine and lamotrigine induced-cutaneous adverse	1500000
	Dr. Siddharth Mittal	Transfusion medicine and Blood Bank		



S. No	Principal Investigator	Department	Name of Project Title	Sanctioned Budget
	Dr. Anubhav Gupta	Transfusion Medicine and Blood Bank	reactions among pediatric neurology patients in Rajasthan	
2	Dr. Charu Sharma	Obstetrics and Gynaecology & Paediatrics	Segmental duplication analysis using cell free fetal DNA as a potential non-invasive prenatal testing method for aneuploidies for intramural grant	973700
	Dr. Varuna Vyas	Obstetrics and Gynaecology & Paediatrics		
3	Dr. Vidhi Jain	Microbiology	Molecular diagnosis of mucormycosis and other invasive mould infections at AIIMS, Jodhpur	483800
4	Dr. Maya Gopalakrishnan	General Medicine	Evaluation of Coagulopathy and outcomes in patients with snakebite envenoming: A prospective hospital based study	500000
5	Dr. Nivedita Sharma	Surgical Oncology	Performance of sentinel lymph node biopsy using Targeted Axillary Dissection(TAD) with intraoperative radiological guidance in post-chemotherapy breast cancer patients: A pilot study	448100
6	Dr. Purvi Purohit	Biochemistry	Effect of BisPhenol-A On epigenetic modification of GDF15 and hallmarks of cancer (cell cycle, EMT, drug resistance, statements)- a case control study	500000
7	Dr. Divya Aggarwal	Pathology and Lab Medicine	Role of CD34, SMA and D2-40 in intraepithelial neoplasias and squamous cell carcinoma of uterine cervix	495000
8	Dr. Navdeep Kaur Ghuman	Obstetrics & Gynaecology	Variation in sex steroid hormone receptor expression in fallopian tubes of women with tubal ectopic gestation	486800
9	Mr. Nipin Kalal	College of Nursing	Effect of nutritional counselling program on nutritional, Quality of life and side effects associated with anti-tubercular treatment among patients with pulmonary tuberculosis: A Randomised controlled trial	217607
10	Dr. Parmod Kumar	Medical Oncology/Haematology	"Immunohistochemistry based prognostic classification for Gall bladder cancer: A pilot study"	466100
11	Dr. Meenakshi Rao	Pathology	Ki-67 labelling index, Prostate Specific Antigen, Androgen Receptor and ERG expression in prostate carcinomas and correlation with clinicopathologic features	495000

S. No	Principal Investigator	Department	Name of Project Title	Sanctioned Budget
12	Dr. Sumit Banerjee	Orthopaedics	Comparing TENS and Cryotherapy for Improving muscle strength and return to sports scores in patients with ACL reconstruction: A randomized control Trial	266500
13	Dr. Sojit Tomo	Biochemistry	Assessment of Sphingosine-1-phosphate pathway in connective tissue disease patients and its association with interstitial lung disease	478600
14	Dr. Bharti Devnani	Radiation Oncology	High dose rate Interstitial brachytherapy as monotherapy for extremities soft tissue sarcoma: A phase II Study	495000
15	Dr. Bharat Choudhary	Trauma and Emergency (Paediatrics)	Endothelial Glycocalyx degradation in Pediatric Dengue infection and its association with Severity of illness	500000
16	Dr. Dharamveer Yadav	Biochemistry	Assessment of SIRT-1 (sirtuin-1), CTNND-1 (cadherin associated protein delta 1), CXCL-1 (chemokine ligand-1) CXCL-10 (chemokine ligand-10), RACGAP-1 (Rac GTPase activating protein-1) and their regulatory miRNAs in patients with Schizophrenia	500000
17	Dr. Naresh Kumar Midha	General Medicine	Application and clinical impact of the rapid diagnostic test for carbapenemase detection in carbapenem resistant Enterobacteriaceae blood stream infections	496400
18	Dr. Manish Pathak	Paediatric Surgery	Determination of the role of circulatory long non-coding RNA Arid2-IR, Erbb4-IR and H19 as a diagnostic biomarker for Pediatric patients with chronic kidney disease due to congenital anomalies of kidney and urinary tract	487732
19	Dr. Shubhalaxmi R Nayak	Paediatric Surgery	Determination of Circulatory miRNAs in Wilms Tumor Patients	313700
20	Dr. Satyaprakash Meena	General Surgery	Effectiveness of Bupivacaine Infiltration in Extra-Peritoneal Space in Patients Undergoing TAPP for Inguinal Hernia: A Randomized Controlled Trial	7765
21	Dr. Rajesh Jhorawat	Nephrology	Effect of Dehydration and Malnutrition on Renal Oxidative Stress and Fibrosis in Male Wistar Rat	500000
22	Dr. Akanksha Solanki	Radiation Oncology	Radiation doses to cardiac substructures as a surrogate marker of cardio-toxicity in left breast cancer	500000

S. No	Principal Investigator	Department	Name of Project Title	Sanctioned Budget
23	Dr. Vidhu Sharma	Otorhinolaryngology	Cochlear affection associated with Inflammatory bowel disorder a prospective study	500000
24	Dr. Kuntal Kumar Sinha	Microbiology	Detection of High Level of gentamicin resistance (HLGR) among urinary isolates of Enterococcus	231900
25	Dr. Saurabh Gupta	Orthopaedics	Does Liner makes a difference? Double-Blinded Prospective Randomized Controlled Trial to Compare Serum Metal Ion levels in Dual Mobility Total Hip Arthroplasty with two Different Liners-A Pilot Study	495000
26	Dr. Kirti Chaudhry	Oral and Maxillofacial Surgery Dept. of Dentistry	Evaluation of serum Titanium levels in dental implant patients: a prospective study	500000
27	Dr. Siyaram Didel	Haematology & Pediatrics	Association of Circulating Free tumour DNA(cfDNA) and metabolic burden measure by FDG PET-CT for evaluation of treatment response in patient of newly diagnosed lymphoma at a tertiary care centre in Western India	407000
28	Dr. Mithu Banerjee	Biochemistry	Assessment of DHEAS/Cortisol ratio, Growth Hormone & cytokine levels in predicting response to therapy in Tuberculosis	499300
29	Dr. Suman Patra	Dermatology, Venereology and Leprology	A prospective study to look at the profile of cutaneous livedoid vasculopathy case in a tertiary care centre in western India	420000
30	Dr. Anupama Bains	Dermatology, Venereology and Leprology	Role of clinical and laboratory parameters in Drug reaction with eosinophilia and systemic symptoms (DRESS) syndrome	265000
31	Dr. Mahesh Arjundan Gadhvi	Physiology	Accuracy of central sulcus identification by Neuronavigation and by Neuromonitoring in surgeries near Periolandic cortex: A Comparative study	249000
<b>Total Sanctioned Cost for IMRG 2023-24</b>				<b>14679004</b>

### Extramural Research Project / Multi-Centric Project/Clinical Trial Projects:

Sr. No.	Project Title	Principal Investigator	Department	Funding Agency	Sanctioned Budget	Budget Received
1	Evaluation of Efficacy and safety of Hydroxychloroquine when used as an add on Therapy in type 2 Diabetes Patients uncontrolled on metformin Monotherapy: A Randomized Double Blind placebo-controlled study	Dr. Madhukar Mittal	Endocrinology and Metabolism	IPCA Laboratories Ltd. Mumbai	1430000	135051
2	Psychosocial and Economic Effect of Dementia Caregiving and Factors Associated: A Multicentre Study	Dr. Pankaj Bhardwaj	Community Medicine and Family Medicine	ICMR, new Delhi	590000	590000
3	Effect of Health and Wellness Centers Ayushman Bharat on Out of pocket expenditure of Geriatric populations: A Multicenter Study	Dr. Pankaj Bhardwaj	Community Medicine and Family Medicine	ICMR, New Delhi	292000	292000
4	Infectious Disease Fellowship Competitive Grant Program- Training and skill development program in Antimicrobial Stewardship	Dr. Deepak Kumar	General Medicine	Pfizer, Global Medical Grant	1760000	1760000
5	"Treatment Optimisation for blood Pressure with single-Pill combinations in India (TOPSPIN)"	Dr. Surender Deora	Cardiology	Centre for Chronic Disease Control, New Delhi	11800 Per Patient	212400
6	To Study the effectiveness of Trauma Quality Improvement Programs (TQIP's) in improving trauma care outcomes at Tertiary Care Hospitals in India	Dr. Mahaveer Singh Rodha	General Surgery	ICMR, New Delhi	2380968	2380968
7	Cross Sectional Study to assess the suitability of MODIA's content in Asian-Indian population	Dr. Navratan Suthar	Psychiatry	India Sweden Healthcare Innovation Centre	NA	374780
8	Clinical Validation and Development of surgical instrument of intra-operative detection of nerves to prevent iatrogenic injuries	Dr. Kuldeep Singh	Pediatrics	ICMR, New Delhi	11210200	11210200
9	Effect of pre-filter fatty acid infusion on clearance of protein bound uremic toxins in stage 3 AKI patients during HD and its impact on renal recovery	Dr. Rajesh Jorawat	Nephrology	Indian Society of Nephrology, Northern Zone	NA	100000

Sr. No.	Project Title	Principal Investigator	Department	Funding Agency	Sanctioned Budget	Budget Received
10	A Descriptive, survey based mixed methods study of Drug Overdose in Substance use Disorder	Dr. Navratan Suthar	Psychiatry	Ministry of Social Justice & Empowerment, GoI	<b>1249500</b>	<b>621000</b>
11	m-Health based intervention by community workers to support family caregivers to persons with dementia living at home	Dr. Pankaj Bhardwaj	Community Medicine and Family Medicine	ICMR, New Delhi	<b>4685375</b>	<b>4685375</b>
12	A Retrospective multicenter real-world evidence study of open , laparoscopic assisted rectal resections for rectal cancer	Dr. Jeewan Ram Vishnoi	Surgical Oncology	Intuitive Surgical India Pvt Ltd. Bengaluru	<b>NA</b>	<b>314100</b>
13	A trade off study to analyze the pressure swing absorption plants (PSA) established in Rajasthan during COVID-19 crisis	Dr. Pankaj Bhardwaj	Community Medicine and Family Medicine	NHM Rajasthan	<b>910000</b>	<b>910000</b>
14	Contingency Planning for crisis Resilience in Procurement and Supply Chains in Public Health Sector in Rajasthan	Dr. Pankaj Bhardwaj	Community Medicine and Family Medicine	NHM Rajasthan	<b>1010000</b>	<b>1010000</b>
15	To Build the capacity of palliative care services in 10 hospitals in North India to reduce suffering in patients with chronic debilitating conditions	Dr. Manoj Kamal	Anaesthesiology & Critical Care	ICMR	<b>NA</b>	<b>70000</b>
16	Experience of Take-Home Buprenorphine in Punjab Opioid Substitution Therapy Centres	Dr. Navratan Suthar	Psychiatry	Punjab State AIDS Control Society (PSACS)	<b>99000</b>	<b>40000</b>
17	Establishment of multi-center Identification portal and DNA database for the identification of unidentified dead bodies in India by using molecular, bioinformatics tools and techniques	Dr. Tanuj Kanchan	Forensic Medicine and Toxicology	ICMR, New Delhi	<b>678974</b>	<b>678974</b>
18	Efficacy and Safety of STEM Cell Therapy in Skin Rejuvenation: A Systematic Review/Meta-Analysis (A Systematic Review and Meta-Analysis Protocol of the efficacy and safety of stem cell therapy for Skin Rejuvenation)	Dr. Shoban Babu Varthya	Pharmacology	ICMR, New Delhi	<b>709200</b>	<b>709200</b>

Sr. No.	Project Title	Principal Investigator	Department	Funding Agency	Sanctioned Budget	Budget Received
19	NIHR Global Health Research Centre for Multiple Long Term Conditions (NHR203257)	Dr. Kuldeep Singh	Paediatrics	University of Leicester	<b>GBP 853205</b>	<b>5937858</b>
20	Efficacy and Safety of STEM Cell Therapy in Osteoarthritis: A Systematic Review/Meta-Analysis	Dr. Surjit Singh	Pharmacology	ICMR, New Delhi	<b>709200</b>	<b>709200</b>
21	Improving Survival Rates of Breast Cancer Patients Through an integrated model for continuum of care: A Multi Centric Implementation Research (Designing and implementation of health care model in patients with stage 2 breast cancer)	Dr. Pankaja Raghav	Community Medicine and Family Medicine	ICMR, New Delhi	<b>3051502</b>	<b>3051502</b>
22	Ambulatory blood pressure nomograms derivation for Indian Children: A Pioneer study.	Dr. Aliza Mittal	Paediatrics	ICMR	<b>871248</b>	<b>871248</b>
23	Assessment of RMNCAH+N service delivery costs, and evaluation of work patterns and efficiency of Primary Healthcare teams at Ayushman Bharat-Health and Wellness Centers	Dr. Kuldeep Singh	Paediatrics	PGIMER Chandigarh	<b>472500</b>	<b>222619</b>
24	Role of Heavy Metals in Polycystic Ovary Syndrome and Efficacy and Safety of Sodium-Glucose Like Transporter-2 Inhibitors in PCOS	Dr. Surjit Singh	Pharmacology	ICMR New Delhi	<b>9874241</b>	<b>2945935</b>
25	Assessment of unmet needs and access to assistive technologies among the general population through digital rATA tool- a cross-sectional survey in India	Dr. Ravi Gaur	PMR	ICMR. New Delhi	<b>4196899.80</b>	<b>2275340</b>
26	Efficacy and Safety of Punarnavadi Mandura alone and in combination with Drakshavaleha Compared to iron folic acid in the treatment of moderate iron deficiency anaemia among non-pregnant women of reproductive age group: A Community based tree arm multicenter randomized controlled trial	Dr. Manoj K Gupta	Community Medicine and Family Medicine	ICMR, New Delhi	<b>4337568</b>	<b>3212868</b>

Sr. No.	Project Title	Principal Investigator	Department	Funding Agency	Sanctioned Budget	Budget Received
27	A randomized double-blind placebo-controlled parallel group study assessing the efficacy and safety of dupilumab in patients with Allergic Fungal Rhinosinusitis (AFRS)	Dr. Kapil Soni	ENT	Sanofi Healthcare India Pvt. Ltd. Mumbai	320600	154375.2
28	Association between bidi smoking & cancers in India: Multicentric Case-Control Study	Dr. Pankaj Bhardwaj	Community Medicine and Family Medicine	AIIMS, Gorakhpur	NA	40000
29	Drug Adherence and Quality of Life among Person with HIV(PLHIV) receiving Antiretroviral Therapy at ART centre in Western Rajasthan	Dr. Pankaj Bhardwaj	Community Medicine and Family Medicine	National Aids Control Organization (NACO) -Rajasthan State Aids Control Society (RSACS)	200000	80000
30	Stigma and Discrimination among Key Population and People living with HIV (PLHIV) in Rajasthan	Dr. Akhil Dhanesh Goel	Community Medicine and Family Medicine	National Aids Control Organization (NACO) -Rajasthan State Aids Control Society (RSACS)	200000	80000
31	Comparative Validation of SANKETLIFE PROPLUS, touch based portable ECG Device with standard ECG Machine to detect cardiovascular diseases in diagnosed and undiagnosed section of Society	Dr. Surender Deora	Cardiology	Agats Software Pvt Ltd	NA	125000
32	Non Invasive measurement of ICP through Point of Care Test (Optic Nerve Sheath Diameter and Transcranial Doppler) in children with Traumatic Brain Injury in Emergency	Dr. Bharat Choudhary	Trauma and Emergency (Paediatrics)	ICMR New Delhi	2482602	2482602

Sr. No.	Project Title	Principal Investigator	Department	Funding Agency	Sanctioned Budget	Budget Received
33	AHSAS( Ability to Handle Signs of Adolescent's Suicide): A Multi Center School based cluster randomized controlled trial to strengthen adolescent's suicide prevention program" (ICMRs Multistate Implementation Research Study on Suicide Risk Reduction and Improving Mental Well Being Among School and College Students)	Dr. Neeti Rustagi	Community Medicine and Family Medicine	ICMR New Delhi	<b>8891531</b>	<b>8891531</b>
34	A Phase 3, multicenter, randomized, double-blind, double-dummy, parallel group, active-controlled study to compare the efficacy and safety of a fixed dose combination of Metformin hydrochloride 1000mg ER, Sitagliptin phosphate 100mg and Dapagliflozin Propanediol 10mg tablets versus Janumet XR CP (Combipack of Metformin hydrochloride 1000mg SR and Sitagliptin phosphate 100mg) in patients with Type 2 Diabetes Mellitus (T2DM),	Dr. Deepak Kumar	General Medicine	M/s Alkem Laboratories Ltd.	<b>NA</b>	<b>18900</b>
35	To assess the impact of endocrine disrupting chemical (EDC) exposure on DNA methylation in infertile males: A multicentric study in India	Dr. Kamla Kant Shukla	Biochemistry	ICMR, New Delhi	<b>5450636</b>	<b>1337327</b>
36	Effect of Early Periodontal Therapy on Pregnancy Outcomes- A Randomized Control Trial	Dr. Kirti Chaudhry	Oral and Maxillofacial Surgery	ICMR New Delhi	<b>4918975</b>	<b>4918975</b>
37	Improving Survival in Childhood acute lymphoblastic leukaemia in India (ISCALL): ICiCLe Implementation Study	Dr. Siyaram Didel	Paediatrics	ICMR New Delhi	<b>2136347</b>	<b>2136347</b>
38	Developing cost effective strategies to strengthen and implement tobacco control policies related to bidi	Dr. Pankaj Bhardwaj	Community Medicine and Family Medicine	Vital Strategies, New York ( for Bloomberg Tobacco Control Initiative Grants	<b>\$99,401</b>	<b>2465599</b>



Sr. No.	Project Title	Principal Investigator	Department	Funding Agency	Sanctioned Budget	Budget Received
				Program - India)		
39	Hospital event-based surveillance for emerging infectious diseases in medical college hospitals in India	Dr. Vijaya Lakshmi Nag	Microbiology	ICMR-NIE Chennai	1650200	661350
40	Barriers and Facilitators to service utilization and management of Sexually Transmitted Infections in India: A Multicentric Mixed Method approach (EOI-Establishment of a hospital-based STIs surveillance network in India and an STI network application is under consideration for study related to monkey Pox disease)	Dr. Akhil Dhanesh Goel	Community Medicine and Family Medicine	ICMR, New Delhi	2768829	2768829
41	Upfront Surgery vs Induction Chemotherapy followed by Surgery in Oral Cavity Squamous Cell Cancers with Advanced Nodal Disease (SurVIC Trial): A Phase 3 Multicentric Randomized Controlled Trial	Dr. Dharma Ram Poonia	Surgical Oncology	ICMR New Delhi	5782232	5782232
42	Mental Health Systems Assessment- National Mental Health Survey -2 (NMHS-2)	Dr. Neeti Rustagi	Community Medicine and Family Medicine	NIMHANS Bengaluru (Ministry of Health and Science, GoI)	9444000	5000000
43	Burden and sequelae of Influenza and SARS-CoV2 associated with SARI among adult Indian population (18-60 yrs)	Dr. Neeti Rustagi	Community Medicine and Family Medicine	US Govt & AIIMS, Delhi (CDC-USA)	3000000	3000000
44	Assessing Phenytoin and Levetiracetam Efficacy, Cost-Effectiveness, and CYP2C9/SV2A Polymorphism in early Post Traumatic Seizures: Randomized Multicentric Trial	Dr. Jaskaran Singh Gosal	Neurosurgery	ICMR, New Delhi	12875958	12875958
45	Addiction Treatment Facility	Dr. Navratan Suthar	Psychiatry	Ministry of Social Justice &	1764000	1123500

Sr. No.	Project Title	Principal Investigator	Department	Funding Agency	Sanctioned Budget	Budget Received
				Empowerment, GoI		

**ICMR- Short Term Studentship (STS)**

Sr. No.	Name of Student	Department	Name of Guide	Name of Project Title
1	Nandan Deepak Patel	Transfusion Medicine & Blood Bank	Dr. Saptarishi Mandal	Effects Of Sample Exposure To Combinations Of Environmental Factors On Neonatal Hyperbilirubinemia Testing By Diazo-Method And Spectrophotometry, After Validating Sample-Handling And Dilution With Adult High-Bilirubin Samples.
2	Divy Nilesh Bhai Gambhava	Pathology & Lab Medicine	Dr. Divya Agarwal	Analytic quality control and performance assessment of cervical cytology at a tertiary care referral centre in North west India

**Non-Funded/Non-Funded Multi-Centric Research Projects:**

Sr. No.	Principal Investigator	Department	Name of Project Title
1	Dr. Naresh Nebhinani	Psychiatry	Long term Course and Outcome and Comorbidity in patients with bipolar disorder : A Multicentric Study
2	Dr. Shiv Charan Navriya	Urology	Comparison of Patient Renal and Tumor Attribute Score (PRETA Score), RENAL and Simplified PADUA Renal (SPARE) nephrometry scoring systems in predicting perioperative outcomes after nephron sparing surgery- a prospective cohort study.
3	Dr. Hare Krishna	Anatomy	Anatomical variation of the palmaris longus muscle: A Cadaveric study.
4	Dr. Deepak Kumar	General Medicine	A multicentric point prevalence survey of antimicrobial prescription, AMR, and HAI in tertiary care hospitals of India.
5	Dr. Tanuj Kanchan	Forensic Medicine and Toxicology	Strengthening the Medical Certification of the cause of Death (MCCD) practices in public and private healthcare facilities in India: research to implementation.
6	Dr. Gautam Ram Choudhary	Urology	The need for restaging trans urethral resection of bladder tumour (TURBT) in T <sub>a</sub> high grade and T <sub>1</sub> tumours- A retrospective analysis in an India population.

Sr. No.	Principal Investigator	Department	Name of Project Title
7	Dr. Siya Ram Didel	Pediatrics	Indian Childhood Cancer Survivorship Study (C2S Study) after Treatment Completion Registry of Childhood Cancers: Multicentre Study.
8	Dr. Naresh Nebhinani	Psychiatry	Long term Course and Outcome and Comorbidity in patients with bipolar disorder : A Multicentric Study
9	Dr. Shrimanjanath Sankanagoudar	Biochemistry	Validation of different formulae for calculation of LDL-cholesterol at the fasting and postprandial states
10	Dr. Kamlesh Kumari	Anaesthesiology & Critical Care	Crossed leg sitting position for optimizing the acoustic target window for neuraxial needle placement in patient with difficult neuraxial blockade: A cross sectional analytical study.
11	Dr. Nikhil Agrawal	Ophthalmology	Epidemiological and clinical profile of a patients with herpes zoster ophtalmicus.
12	Dr. Navratan Suthar	Psychiatry	Internalized Stigma and Quality of life among patients dependent on natural opium: An observational study from Western Rajasthan.
13	Dr. Sojit Tomo	Biochemistry	Assessment of performing direct bilirubin as a reflex test on total bilirubin levels.
14	Dr. Poonam Elhence	Pathology & Lab Medicine	Comparative analysis of sysmex XN-1000 body fluid mode versus manual counting method for total WBC and differential count of serous body fluids
15	Dr. Gautam Ram Choudhary	Urology	Prostate specific antigen (PSA) trend among men presenting with lower urinary tract symptoms - An institutional review.
16	Dr. Supreet Kaur	General Surgery	Prevalence and risk factors for development of varicose veins among surgeons
17	Dr. Selvakumar .B.	Surgical Gastroenterology	Management of Gastrointestinal Mucormycosis during COVID-19 pandimec-lessons learned.
18	Dr. Ankita Chugh	EE, IIT, Jodhpur	Telepresence and Teleaction System for Robot Assosted Dentistry
19	Dr. Poonam Elhence	Pathology & Lab Medicine	Evaluation of morphological and clinicopathological aspects of germ cell tumors at gonadal and extragonadal sites.
20	Dr. Ashish Agarwal	Gastroenterology	Clinical, imaging, endoscopic and histopathological profile of opioid induced gastroenteropathy: A prospective observational study.
21	Dr. Naresh Nebhinani	Psychiatry	Assessment of ECG changes in patients diagnosed with depressive disorder: A cross-sectional study with comparative group.
22	Dr. Sarika P Komabade	Microbiology	Estimation of risk associated with zoonotic tuberculosis (ERAZTB) in India
23	Dr. Naveen Dutt	Pulmonary Medicine	AIRS (Artificial Intelligence in Respiratory Sounds) : A study to differentiate six major respiratory diseases by interpretation of respiratory sounds via artificial intelligence.

Sr. No.	Principal Investigator	Department	Name of Project Title
24	Dr. Deepti Katrolia	Burns and Plastic Surgery	Retrospective and prospective analysis of digital total active motion (TAM) after phalangeal fracture fixation: A comparative study.
25	Dr. Surajit Ghatak	Anatomy	Macroscopic and microscopic study of nasal cartilage: A cadaveric study
26	Dr. Manbir Kaur	Anesthesiology & Critical Care	An ambispective observational study to assess demographic profile and anesthetic management of patients undergoing awake craniotomy at AIIMS Jodhpur
27	Dr. Suman Saurabh	Community Medicine & Family Medicine	National level survey regarding continuation of COVID-19 vaccination and mask use among healthcare workers
28	Dr. Ramkaran Chaudhary	General Surgery	Robotic thymectomy for myasthenia gravis: A prospective observational study
29	Dr. Sarbesh Tiwari	Diagnostic and Interventional Radiology	Imaging patterns of posterior reversible encephalopathy syndrome in children: A retrospective observational study
30	Dr. Rakesh Kumar	Anaesthesiology & Critical Care	Continuous erector spinae block for post-operative analgesia in patients undergoing rib harvesting for facial plastics procedure: A descriptive study
31	Dr. Sojit Tomo	Biochemistry	Analysis of differential expression of genes of sphingolipid pathway in connective tissue diseases from the existing database: A bioinformatics analysis
32	Dr. Naveen Dutt	Pulmonary Medicine	Feasibility of the overhead clap test (a novel submaximal exercise test) in patients with interstitial lung disease who are not able to perform six minute walk test
33	Ms. T Thuileiphy	College of Nursing	The efficacy of an information booklet in enhancing the understanding of retinopathy of prematurity among nursing officers working in the neonatal intensive care unit (NICU) and pediatric wards at tertiary care hospital, Jodhpur Rajasthan
34	Dr. Abhishek Bhardwaj	Dermatology, Venerology & Leprology	Comparative evaluation of patient feedback for quality improvement in Inpatient care in Dermatology wards: A longitudinal survey
35	Dr. Anupam Das	Cardiothoracic Vascular Surgery	Retrospective objective evaluation of surgical results in congenital heart surgery at a new tertiary centre in Western India using Aristotle scoring system
36	Dr. Siddharth Mittal	Transfusion Medicine & Blood Bank	Effect of multi-modal training on knowledge, attitude, and practices of blood transfusion among nurses working in a tertiary care hospital: A prospective interventional study
37	Dr. Satya Prakash Meena	General Surgery	To analyze single stage laparoscopic cholecystectomy with common bile duct exploration in India in terms of stone clearance and 30-day morbidity and mortality

Sr. No.	Principal Investigator	Department	Name of Project Title
38	Dr. Ankita Chugh	Dentistry	Improving the quality of emergency room documentation of the maxillofacial trauma cases: An audit loop cross sectional study.
39	Dr. Prakash Chandra Kala	Burns & Plastic Surgery	Post Covid-19 Rhino - Orbito - Maxillary Mucormycosis Defect - Our Surgical Experience with Single Stage Delayed Reconstruction Using Free Flap.
40	Dr. Vaibhav Kumar Varshney	Surgical Gastroenterology	Robotic vs open pancreatoduodenectomy for periampullary neoplasm: A retrospective analysis of peri-operative and oncologic outcomes
41	Dr. Sucharita Anand	Neurology	Normative data of neurophysiological studies from Western Rajasthan
42	Dr. Ramkaran Chaudhary	General Surgery	Lung hydatid disease: A surgeon's perspective and experience
43	Dr. Aliza Mittal	Pediatrics	Exploring the utility of various modalities of renal replacement therapy in children requiring RRT for acute conditions
44	Dr. Prakash Chandra Kala	Burns and Plastic Surgery	A comparative study between the outcomes of mucormycosis and cancer patients undergoing maxillary reconstruction
45	Dr. Abhishek Purohit	Pathology and Lab Medicine	Evaluation of expression of CD25 by flow cytometry in cases of B-Cell Acute lymphoblastic leukemia and its correlation with BCR::ABL1 fusion transcript
46	Dr. Pratibha Singh	Obstetrics & Gynaecology	Maternal characteristics and outcome of patients with AKI: A retrospective and prospective observational study at AIIMS, Jodhpur
47	Dr. Mukesh Kumar Swami	Psychiatry	Development of Entrustable Professional Activity (EPA)-based psychiatry curriculum Modules for interns
48	Dr. Vinay Kumar Chugh	Dentistry	Association between gingival phenotype and the incidence and severity of gingival invagination at premolar extraction sites following space closure in individuals undergoing fixed orthodontic treatment: A multicentric prospective cohort study.
49	Dr. Pankaj Bhardwaj Dr. Suchetana Chakraborty	Community Medicine & Family Medicine Department of computer science & Engineering, IIT, Jodhpur	Detecting behavioral health disorders of older adults using self-supervised learning and causal reasoning.
50	Dr. Pradeep Kumar Bhatia	Anaesthesiology and Critical Care	Incidence of perioperative adverse events in overweight and obese children in india- A prospective observational multicentric study

Sr. No.	Principal Investigator	Department	Name of Project Title
51	Dr. Ravisekhar Gadepalli	Microbiology	Clinical & Whole Genome Sequencing analysis of SARS-COV-2 patients admitted to tertiary care hospital western Rajasthan, India
52	Dr. Ravisekhar Gadepalli	Microbiology	Screening for Hepatitis & Window Period Hepatitis in Sero-negative Hepatitis B samples.
53	Dr. Mukesh Kumar Swami	Psychiatry	Association between pain catastrophizing scale (PCS) scores and heart rate variability in patients with chronic myofascial pain syndrome
54	Dr. Manu Goyal	Gynecology	Implementation of Enhanced recovery after surgery protocol in total laparoscopic hysterectomy _ A Prospective Randomized control trial at AIIMS, Jodhpur
55	Dr. Charu Sharma	Obstetrics & Gynecology	Improving the data entry record of Major and Minor surgical procedures in operation theatres to provide real-time surgical health statistics in Department of Obstetrics & Gynaecology at a tertiary care centre- A quality improvement project
56	Dr. Nishant Kumar Chauhan	Pulmonary Medicine	A randomized, double-blind, placebo-controlled study assessing the long-term effect of dupilumab on prevention of lung function decline in patients with uncontrolled moderate to severe asthma.
57	Dr. Sadik Mohammed	Anaesthesiology & Critical Care	Efficacy of Triple vs Double drug regimens with at least two sensitive antibiotics on the outcome of patients infected with ventilator-associated pneumonia due to carbapenem-resistant Acinetobacter Baumannii: A randomised controlled study.
58	Dr. Rahul Choudhary	Cardiology	The cardiovascular safety of cagrilintide 2.4 mg s.c. in combination with semaglutide 2.4 mg s.c. (CagriSema 2.4 mg/2.4 mg s.c.) one-weekly in participants with obesity and established cardiovascular disease.
59	Dr. Maya Gopalakrishnan	General Medicine	Randomized, Double-Blinded, Placebo-Controlled study to evaluate the safety, tolerability, and efficacy of intravenous varespladib followed by oral varespladib in addition to standard of care in subjects bitten by venomous snakes.
60	Dr. Rahul Choudhary	Cardiology	HERMES: Effects of ziltivekimab versus placebo on morbidity and mortality in patients with heart failure with, mildly reduced or preserved ejection fraction and systemic inflammation.
61	Dr. Deepanksha Datta	Nuclear Medicine	To evaluate the role of F-18 FDG PET/CT in the diagnosis and management of paediatric langerhans cell histiocytosis.
62	Dr. Deepanksha Datta	Nuclear Medicine	Evaluation of physiological variants of FDG uptake mimicking malignancy.
63	Dr. Deepanksha Datta	Nuclear Medicine	Role of 18F FDG PET-CT in radiogenomics of carcinoma breast.

Sr. No.	Principal Investigator	Department	Name of Project Title
64	Dr. Darshana Rathod	Anaesthesiology and Critical Care	Comparison of Ultrasound Guided Caudal block pudendal nerve block and dorsal penile nerve block for pediatric patients undergoing hypospadias repair- A Randomized controlled trial.
65	Dr. Suresh Kumar Sharma	College of Nursing	Emotional intelligence and leadership skills among new nurse managers working at tertiary care institute of India: A multicentric cross-sectional study.
66	Dr. Rajesh Jhorwat	Nephrology	Relationship of crescents with clinico-histological parameters in lupus nephritis.
67	Dr. Mukesh Kumar Swami	Psychiatry	Spiritual wellbeing, depression and anxiety in cancer patients with advanced stage solid tumors : A cross-sectional survey.
68	Dr. Pratibha Singh	Obstetrics and Gynecology	Reducing C sections by continuous education (ReSCuE) and implementation of strategic models for improvement- A quality improvement study.
69	Dr. Swati Chhabra	Anaesthesia and Critical Care	International observational study on airway management in operating room and non-operating room anaesthesia.
70	Dr. Pratibha Singh	Obstetrics and Gynecology	IM-FInE(Indian Male Factor Infertility Evaluation): An All-India Multicentric Survey.
71	Dr. Shubhalaxmi Nayak	Pediatric Surgery	Determination of burden and quality of life of the caregivers of the children operated for spina bifida practising clean intermittent catheterisation in North-Western India.
72	Dr. Sandeep Kumar	Orthopedics	Functional outcome & analysis of factors affecting health-related quality of life of surgically treated pelvic ring fractures- A cross-sectional study.
73	Dr. Asif Khan	College of Nursing	To Explore the relationship of Alexithymia, emotional intelligence and social relations among nurses.
74	Dr. Mahendra Singh	Urology	Comparative Analysis of Laparoscopic Pyeloplasty in Poorly Functioning Kidneys.
75	Dr. Bikram Choudhary	Otorhinolaryngology	Integration of neuronavigation tools in the teaching of skull base anatomy to undergraduate students.
76	Dr. Gaikwad Deepali Joseph	College of Nursing	Effectiveness of mobile-based organ donation education programme on attitude towards organ donation among family members of patients admitted in ICUs: A experimental study.
77	Dr. Swati Chhabra	Anaesthesia and Critical Care	Effects of anaesthetic management on electrocorticography in patients undergoing epilepsy surgeries at tertiary care centre: A Retrospective Study.
78	Dr. Kirti Choudhary	Dentistry	Evaluation of Serum Titanium levels in patients treated with 3D printed titanium patient specific implants and total temporomandibular joint.
79	Dr. Sandeep Kumar	Orthopedics	Effect of Spinopelvic Parameters on outcomes of Lumbar Decompression Surgery- A Clinicoradiological study.

Sr. No.	Principal Investigator	Department	Name of Project Title
80	Dr. Manu Goyal	Obstetrics and Gynecology	Development and validation of new antenatal scoring system for predicting adverse maternal and perinatal outcomes in gestational diabetes in western India: A prospective and retrospective observational study at tertiary centre.
81	Dr. Pushpa Potaliya	Anatomy	Embalming of obese cadavers and concomitant challenges
82	Dr. Rajesh Kumar Rajnish	Orthopedics	Assessment of clinico-radiological outcomes and rotator cuff muscle strength in surgically treated scapula fracture patients
83	Dr. Arvind Sinha	Pediatric surgery	Retrospective analysis of Inguinal Hernia to evaluate the results and the incidence of bilaterality.
84	Dr. Sudeep Khara	Pathology and Lab Medicine	Histopathological spectrum of granulomatous pathology in gastrointestinal tract biopsies and resected specimens with its clinico-pathological association.
85	Dr. Hare Krishna	Anatomy	Sex and age-related morphometric analysis of Talus and Calcaneum
86	Dr. Naveen Sharma	General Surgery	Mapping Global Surgery in a prospective study.
87	Dr. Mahendra Singh	Urology	A prospective multi-institutional assessment of prostate biopsy practices in India.
88	Dr. Deepak Prakash Bhirud	Urology	Outcome of standard Percutaneous Nephrolithotomy (PCNL) in era of miniaturised PCNL- inference from tertiary care centre.
89	Arvind Kumar Sharma		A Study to assess the attitude towards death and dying and resilience response among health care professionals of AIIMS, Jodhpur, Rajasthan.
90	Dr. Nivedita Sharma	Surgical Oncology	Pectoralis Major Myocutaneous Flap in Female Patients of Head and Neck Tumors: A Retrospective Audit
91	Dr. Naresh Nebhinani	Psychiatry	Survey amongst psychiatry residents on the needs and opinions on feedback in psychiatry residency training.
92	Dr. Meenakshi Rao	Pathology and Lab Medicine	Sub-staging of non-muscle invasive urothelial carcinomas.
93	Dr. Meenakshi Rao	Pathology and Lab Medicine	Assessment of Tumor-infiltrating Lymphocytes using International TILs Working Group (ITWG) System in colorectal Carcinomas.
94	Dr. Rahul Saxena	Pediatric Surgery	Use of Indocyanine (ICG) in the excision of choledochal cysts and biliodigestive reconstruction in paediatric patients.

### Awards Distribution during 1st Annual Research Day "अनुसंधान दिवस" -2024

**Certificate of recognition for being included in the list of World's Top 2% Most Cited Scientists for 2021-23**



S. No.	Name	Affiliation
1	Dr. Tanuj Kanchan	Professor & Head, Department of Forensic Medicine & Toxicology
2	Dr. Pankaj Bhardwaj	Professor & Head, Community Medicine & Family Medicine and Academic Head, School of Public Health
3	Dr. Jaykaran Charan	Additional Professor, Department of Pharmacology

#### Awards to Departments for their outstanding Research Accomplishments

S. No	Department	Head of Department
1	Department of Anaesthesiology and Critical Care	Dr. Pradeep Kumar Bhatia
2	Department of Dentistry	Dr. Pravin Kumar
3	Department of Forensic Medicine & Toxicology	Dr. Tanuj Kanchan
4	Department of General Medicine	Dr. Mahendra Kumar Garg
5	Department of Obstetrics & Gynaecology	Dr. Pratibha Singh
6	Department of Paediatrics	Dr. Kuldeep Singh

**Faculty and Students awards for outstanding Research Contributions**

<b>S. No.</b>	<b>Name</b>	<b>Rank</b>	<b>Designation</b>	<b>Award Name</b>
1.	Dr. Tanuj Kanchan	1st	Professor	Number of Publications in PubMed
2.	Dr. Mahendra Kumar Garg	2nd	Professor	Number of Publications in PubMed
3.	Dr. Binit Surekha	1st	Additional Professor	Number of Publications in PubMed
4.	Dr. Jaykaran Charan	2nd	Additional Professor	Number of Publications in PubMed
5.	Dr. Deepak Kumar	1st	Associate Professor	Number of Publications in PubMed
6.	Dr. Sarbesh Tiwari	2nd	Associate Professor	Number of Publications in PubMed
7.	Dr. Lokesh Saini	1st	Assistant Professor	Number of Publications in PubMed
8.	Dr. Mohit Agarwal	2nd	Assistant Professor	Number of Publications in PubMed
9.	Dr. Tanuj Kanchan	1st	Professor	Number of Citations in Scopus
10.	Dr. Pankaj Bhardwaj	2nd	Professor	Number of Citations in Scopus
11.	Dr. Jaykaran Charan	1st	Additional Professor	Number of Citations in Scopus
12.	Dr. Kamla Kant Shukla	2nd	Additional Professor	Number of Citations in Scopus
13.	Dr. Nikha Bhardwaj	1st	Associate Professor	Number of Citations in Scopus
14.	Dr. Shoban Babu Varthya	2nd	Associate Professor	Number of Citations in Scopus
15.	Dr. Rimple Jeet Kaur	1st	Assistant Professor	Number of Citations in Scopus
16.	Dr. Lokesh Saini	2nd	Assistant Professor	Number of Citations in Scopus
17.	Dr. Tanuj Kanchan	1st	Professor	Research Output & Impact based on h-index
18.	Dr. Pankaj Bhardwaj	2nd	Professor	Research Output & Impact based on h-index
19.	Dr. Jaykaran Charan	1st	Additional Professor	Research Output & Impact based on h-index
20.	Dr. Kamla Kant Shukla	2nd	Additional Professor	Research Output & Impact based on h-index
21.	Dr. Nikha Bhardwaj	1st	Associate Professor	Research Output & Impact based on h-index
22.	Dr. Deepak Kumar	2nd	Associate Professor	Research Output & Impact based on h-index
23.	Dr. Rimple Jeet Kaur	1st	Assistant Professor	Research Output & Impact based on h-index
24.	Dr. Lokesh Saini	2nd	Assistant Professor	Research Output & Impact based on h-index
25.	Dr. Sojit Tomo	2nd	Assistant Professor	Research Output & Impact based on h-index
26.	Dr. Kuldeep Singh	1st	Professor	Securing maximum extramural grants
27.	Dr. Pankaj Bhardwaj	2nd	Professor	Securing maximum extramural grants
28.	Dr. Kamla Kant Shukla	1st	Additional Professor	Securing maximum extramural grants
29.	Dr. Gautam Ram Choudhary	2nd	Additional Professor	Securing maximum extramural grants
30.	Dr. Jaskaran Singh Gosal	1st	Associate Professor	Securing maximum extramural grants
31.	Dr. Shoban Babu Vartya	2nd	Associate Professor	Securing maximum extramural grants

S. No.	Name	Rank	Designation	Award Name
32.	Dr. Lokesh Saini	1st	Assistant Professor	Publication in high impact journal (Case Report Category)
33.	Dr. Atul Kaushik	2nd	Associate Professor	Publication in high impact journal (Case Report Category)
34.	Dr. Taruna Yadav	3rd	Additional Professor	Publication in high impact journal (Case Report Category)
35.	Dr. Rengrajan R	3rd	Assistant Professor	Publication in high impact journal (Case Report Category)
36.	Dr. Pradeep Dwivedi	1st	Additional Professor	Publication in high impact journal (Narrative Review Category)
37.	Dr. Durgashankar Meena	2nd	Assistant Professor	Publication in high impact journal (Narrative Review Category)
38.	Dr. Jagdish Prasad Goyal	3rd	Professor	Publication in high impact journal (Narrative Review Category)
39.	Dr. Prawin Kumar	3rd	Additional Professor	Publication in high impact journal (Narrative Review Category)
40.	Dr. Varuna Vyas	3rd	Additional Professor	Publication in high impact journal (Narrative Review Category)
41.	Dr. Ravisekhar Gadepalli	1st	Additional Professor	Publication in high impact journal (Original Article Category)
42.	Dr. Neeraj Gupta	2nd	Professor	Publication in high impact journal (Original Article Category)
43.	Dr. Shoban Babu Varthya	3rd	Associate Professor	Publication in high impact journal (Original Article Category)
44.	Dr. Manoj Kamal	1st	Professor	Faculties who received the CSR funding for research
45.	Dr. Dharma Ram Poonia,	2nd	Associate Professor	Faculties who received the CSR funding for research

S. No.	Name of Student	Name of Guide	Designation of Guide	Award Name
1	Dr. Rohit Sasidharan	Dr. Neeraj Gupta	Professor	Original Research Publication (DM Thesis)
2	Dr. Shreyas K	Dr. Avinash Jadhav	Additional Professor	Original Research Publication (M.Ch. Thesis)
3	Dr. Bianechwadaka Suchiang	Dr. Manish Pathak	Professor	Original Research Publication (M.Ch. Thesis)
4	Dr. Ayushi Vig	Dr. Kirti Kumar Rathod	Additional Professor	Original Research Publication (M.Ch. Thesis)
5	Dr. Thomas George	Dr. Binit Sureka	Additional Professor	Original Research Publication (MD Thesis)

6	Dr. Anindita Pradhan	Dr. Pradeep Dwivedi	Additional Professor	Original Research Publication (MD Thesis)
7	Dr. Shubham Gaur	Dr. Ankita Chugh	Professor	Original Research Publication (MS/MDS Thesis)
8	Dr. Nidhin Das K	Dr. Amit Goyal	Professor & Head	Original Research Publication (MS/MDS Thesis)
9	Dr. Yogesh Jain	Dr. Pankaj Bhardwaj	Professor	Original Research Publication (Ph.D. Thesis)
10	Dr. Varsha Warriar	Dr. Tanuj Kanchan	Professor & Head	Original Research Publication (Ph.D. Thesis)

**Acknowledgement of faculty in different categories during 1st Annual Research Day "अनुसंधान दिवस" - 2024**

S. No.	Name	Designation	Category
1	Dr. Pradeep Kumar Bhatia	Professor & Head	Patents Granted
2	Dr. Abhinav Dixit	Professor & Head	Patents Granted
3	Dr. Amit Goyal	Professor & Head	Patents Granted
4	Dr. Surajit Ghatak	Professor & Head	Patents Granted
5	Dr. Ravisekhar Gadepalli	Additional Professor	Patents Granted
6	Dr. Ashish Kumar Nayyar	Additional Professor	Patents Granted
7	Dr. Lokesh Saini	Assistant Professor	Patents Granted
8	Dr. Suresh K. Sharma	Principal	Book Authored
9	Dr. Tanuj Kanchan	Professor & Head	Book Authored
10	Dr. Naresh Nebhinani	Professor & Head	Book Authored
11	Dr. Pradeep Kumar Bhatia	Professor & Head	Book Authored
12	Dr. Abhinav Dixit	Professor & Head	Book Authored
13	Dr. Amit Goyal	Professor & Head	Book Authored
14	Dr. Bharati Mehta	Professor	Book Authored
15	Dr. Shilpi Gupta Dixit	Professor	Book Authored
16	Dr. Prasunpriya Nayak	Professor	Book Authored
17	Dr. Pankaj Bhardwaj	Professor & Head, School of Public Health	Book Authored
18	Dr. Jaykaran Charan	Additional Professor	Book Authored
19	Dr. Saurabh Singh	Additional Professor	Book Authored
20	Dr. Shival Srivastav	Associate Professor	Book Authored

S. No.	Name	Designation	Category
21	Dr. Tanuj Kanchan	Professor & Head	Editor in chief in National or International journal
22	Dr. Abhinav Dixit	Professor & Head	Editor in chief in National or International journal
23	Dr. Pradeep Kumar Bhatia	Professor & Head	Editor in chief in National or International journal
24	Dr. Naresh Nebhinani	Professor & Head	Editor in chief in National or International journal
25	Dr. Prasunpriya Nayak	Professor	Editor in chief in National or International journal
26	Dr. Pankaj Bhardwaj	Professor & Head, School of Public Health	Editor in chief in National or International journal
27	Dr. Pankaj Bhardwaj	Professor & Head, School of Public Health	International Collaborations for Research as a Principal Investigator
28	Dr. Vaibhav Kumar Varshney	Additional Professor & Head	International Collaborations for Research as a Principal Investigator
29	Dr. Sumit Banerjee	Professor	International Collaborations for Research as a Principal Investigator
30	Dr. Deepak Kumar	Associate Professor	International Collaborations for Research as a Principal Investigator
31	Dr. Navratan Suthar	Associate Professor	International Collaborations for Research as a Principal Investigator
32	Dr. Pankaja Raghav	Professor & Head	Received MD thesis grants from National or International Organizations
33	Dr. Pankaj Bhardwaj	Professor & Head, School of Public Health	Received MD thesis grants from National or International Organizations
34	Dr. Saptarshi Mandal	Additional Professor	Received MD thesis grants from National or International Organizations
35	Dr. Akhil Dhanesh Goel	Additional Professor	Received MD thesis grants from National or International Organizations
36	Dr. Tanuj Kanchan	Professor and Head	Chapter in books after joining the AIIMS, Jodhpur
37	Dr. Pradeep Bhatia	Professor and Head	Chapter in books after joining the AIIMS, Jodhpur
38	Dr. Abhinav Dixit	Professor and Head	Chapter in books after joining the AIIMS, Jodhpur
39	Dr. Shilpi Gupta Dixit	Professor	Chapter in books after joining the AIIMS, Jodhpur
40	Dr. Amit Goyal	Professor and Head	Chapter in books after joining the AIIMS, Jodhpur
41	Dr. Prawin Kumar	Additional Professor	Chapter in books after joining the AIIMS, Jodhpur

S. No.	Name	Designation	Category
42	Dr. Ankur Sharma	Additional Professor	Chapter in books after joining the AIIMS, Jodhpur
43	Dr. Jagdish Prasad Goyal	Professor	Chapter in books after joining the AIIMS, Jodhpur
44	Dr. Hare Krishna	Associate Professor	Chapter in books after joining the AIIMS, Jodhpur
45	Dr. Suresh K Sharma	Professor cum Principal	Chapter in books after joining the AIIMS, Jodhpur
46	Dr. Arvind Sinha	Professor and Head	Chapter in books after joining the AIIMS, Jodhpur
47	Dr. Madhukar Mittal	Additional Professor and Head	Chapter in books after joining the AIIMS, Jodhpur
48	Dr. Mukesh Kumar Swami	Additional Professor	Chapter in books after joining the AIIMS, Jodhpur
49	Dr. Naresh Nebhinani	Professor and Head	Chapter in books after joining the AIIMS, Jodhpur
50	Dr. Surjit Singh	Professor	Chapter in books after joining the AIIMS, Jodhpur
51	Dr. Kirtikumar Rathod	Additional Professor	Chapter in books after joining the AIIMS, Jodhpur
52	Dr. Vikas Premlal Meshram	Additional Professor	Chapter in books after joining the AIIMS, Jodhpur
53	Dr. Saurabh Singh	Additional Professor	Chapter in books after joining the AIIMS, Jodhpur
54	Dr. Mahendra Kumar Garg	Professor and Head	Chapter in books after joining the AIIMS, Jodhpur
55	Dr. Daisy Khera	Professor	Chapter in books after joining the AIIMS, Jodhpur
56	Dr. Pankaj Bhardwaj	Professor	Chapter in books after joining the AIIMS, Jodhpur
57	Dr. Varuna Vyas	Additional Professor	Chapter in books after joining the AIIMS, Jodhpur
58	Dr. Kamla Kant Shukla	Additional Professor	Chapter in books after joining the AIIMS, Jodhpur
59	Dr. Swati Chhabra	Additional Professor	Chapter in books after joining the AIIMS, Jodhpur
60	Dr. Raghvendra Singh Shekhawat	Additional Professor	Chapter in books after joining the AIIMS, Jodhpur
61	Dr. Sarbesh Tiwari	Associate Professor	Chapter in books after joining the AIIMS, Jodhpur
62	Dr. Lokesh Saini	Assistant Professor	Chapter in books after joining the AIIMS, Jodhpur
63	Mr. Nipin Kalal	Assistant Professor	Chapter in books after joining the AIIMS, Jodhpur
64	Dr. Manish Pathak	Professor	Chapter in books after joining the AIIMS, Jodhpur

S. No.	Name	Designation	Category
65	Dr. Pawan Kumar Garg	Additional Professor	Chapter in books after joining the AIIMS, Jodhpur
66	Dr. Vidhu Sharma	Assistant Professor	Chapter in books after joining the AIIMS, Jodhpur
67	Dr. Suman Patra	Assistant Professor	Chapter in books after joining the AIIMS, Jodhpur
68	Dr. Abhishek Bhardwaj	Professor and Head	Chapter in books after joining the AIIMS, Jodhpur
69	Dr. Shilpa Goyal	Professor	Chapter in books after joining the AIIMS, Jodhpur
70	Dr. Bharat Paliwal	Additional Professor	Chapter in books after joining the AIIMS, Jodhpur
71	Dr. Charu Sharma	Additional Professor	Chapter in books after joining the AIIMS, Jodhpur
72	Dr. Akhil Dhanesh Goel	Additional Professor	Chapter in books after joining the AIIMS, Jodhpur
73	Dr. Rahul Saxena	Additional Professor	Chapter in books after joining the AIIMS, Jodhpur
74	Dr. Deepak Kumar	Associate Professor	Chapter in books after joining the AIIMS, Jodhpur
75	Dr. Navratan Suthar	Associate Professor	Chapter in books after joining the AIIMS, Jodhpur
76	Dr. Rajesh Kumar Rajnish	Assistant Professor	Chapter in books after joining the AIIMS, Jodhpur
77	Dr. Mamta	Assistant Professor	Chapter in books after joining the AIIMS, Jodhpur
78	Dr. Pankaja Raghav	Professor and Head	Chapter in books after joining the AIIMS, Jodhpur
79	Dr. Pushpinder Khera	Professor and Head	Chapter in books after joining the AIIMS, Jodhpur
80	Dr. Mahaveer Singh Rodha	Professor and Head	Chapter in books after joining the AIIMS, Jodhpur
81	Dr. Avinash S Jadhav	Additional Professor	Chapter in books after joining the AIIMS, Jodhpur
82	Dr. Shrimanjanath Sankanagoudar	Additional Professor	Chapter in books after joining the AIIMS, Jodhpur
83	Dr. Gautam Ram Choudhary	Additional Professor	Chapter in books after joining the AIIMS, Jodhpur
84	Dr. Priyanka Sethi	Additional Professor	Chapter in books after joining the AIIMS, Jodhpur
85	Dr. Mohit Agrawal	Assistant Professor	Chapter in books after joining the AIIMS, Jodhpur
86	Dr. Bharti Devnani	Assistant Professor	Chapter in books after joining the AIIMS, Jodhpur
87	Dr. Sumit Banerjee	Professor	Chapter in books after joining the AIIMS, Jodhpur

S. No.	Name	Designation	Category
88	Dr. Prasunpriya Nayak	Professor	Chapter in books after joining the AIIMS, Jodhpur
89	Dr. Vaibhav K Varshney	Additional Professor and Head	Chapter in books after joining the AIIMS, Jodhpur
90	Dr. Gopal Krishna Bohra	Additional Professor	Chapter in books after joining the AIIMS, Jodhpur
91	Dr. Jaykaran Charan	Additional Professor	Chapter in books after joining the AIIMS, Jodhpur
92	Dr. Rakesh Kumar	Additional Professor	Chapter in books after joining the AIIMS, Jodhpur
93	Dr. Shival Srivastava	Associate Professor	Chapter in books after joining the AIIMS, Jodhpur
94	Dr. Naresh Kumar Midha	Associate Professor	Chapter in books after joining the AIIMS, Jodhpur
95	Dr. Satyendra Khichar	Associate Professor	Chapter in books after joining the AIIMS, Jodhpur
96	Dr. Bharat Kumar	Associate Professor	Chapter in books after joining the AIIMS, Jodhpur
97	Dr. Shilpi Karmakar	Assistant Professor	Chapter in books after joining the AIIMS, Jodhpur
98	Dr. Siddharth Mittal	Assistant Professor	Chapter in books after joining the AIIMS, Jodhpur
99	Dr. Siyaram Didel	Associate Professor	Chapter in books after joining the AIIMS, Jodhpur
100	Dr. Neeti Rustagi	Professor	Chapter in books after joining the AIIMS, Jodhpur
101	Dr. Durga Shankar Meena	Assistant Professor	Chapter in books after joining the AIIMS, Jodhpur

**Activities conducted by Research Section:**

S. No.	Title	Resource Persons/Invitee	Place of Conference/Workshop	Date
1.	Workshop on "Authorship: Ethical Considerations"	Prof. Bikash Medhi Professor, Department of Pharmacology, PGIMER, Chandigarh & Prof. Anupam Prakash Professor of Medicine, Lady Hardinge Medical College, New Delhi	AIIMS, Jodhpur	26 <sup>th</sup> August, 2023



2.	Training on "Good Clinical Practice, New Drugs and Clinical Trials Rules 2019 and ICMR National Ethical Guidelines" for IEC & Research Committee Members.	Research Section Faculty AIIMS, Jodhpur	AIIMS, Jodhpur	15 <sup>th</sup> September, 2023
3.	1st Annual Research Day "अनुसंधान दिवस" - 2024	Prof. Sanjeev Misra Prof. Narendra K Arora Prof. Praveen Sharma Prof. N R Jagannathan Prof. Tapas K. Kundu	AIIMS, Jodhpur	13 <sup>th</sup> January, 2024

**Event: 1****Authorship: Ethical Considerations**

Picture: Lamp lighting ceremony



Picture: Dignitaries on the Deas during of the Workshop on “Authorship: Ethical Considerations”



Picture: Dr. Tanuj Kanchan, Dean (Research) addressing the dignitaries & participants.



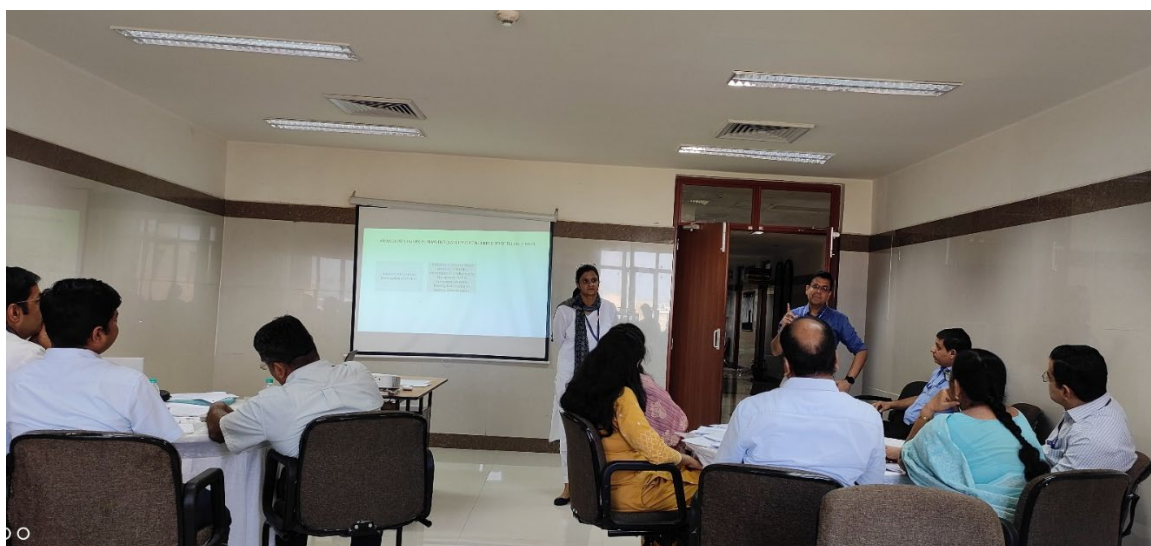
**Picture:** Resource persons and organizing team of the Workshop on “Authorship: Ethical Considerations”

**Event:2**

**Training on “Good Clinical Practice, New Drugs and Clinical Trials Rules 2019 and ICMR National Ethical Guidelines”**



Picture: Dr. Tanuj Kanchan (Dean Research) addressing the participants.



Picture: Dr. Pankaj Bhardwaj (Vice Dean Research) and Dr. Rimple Jeet Kaur (Assistant Dean Research) addressing the participants.



**Event: 3**

**1st Annual Research Day "अनुसंधान दिवस" -2024**



Picture: Lighting of the lamp by the dignitaries in the 1st Annual Research Day "अनुसंधान दिवस" -2024



Picture: Executive Director honouring the President on the occasion of the 1st Annual Research Day "अनुसंधान दिवस" -2024

### Addressal



**Executive Director**



**Dean Research**



**Chief Guest**



Picture: Guests of the 1st Annual Research Day "अनुसंधान दिवस" -2024



### Awards to best Departments for Outstanding Research Accomplishments



Department of Anaesthesiology and Critical Care



Department of Dentistry



Department of Forensic Medicine & Toxicology



Department of General Medicine



Department of Obstetrics & Gynaecology



Department of Paediatrics

## Internal Complaints Committee on Sexual Harassment of women at Work Place

The Members of the committee are:

S.No.	Name	Post
1	Dr. Mithu Banerjee	Chairperson
2	Dr. Renu Gupta	Member
3	Dr. Navdeep Kaur	Secretary
4	Ghuman	Member
5	Dr. Mamta	Member
6	Prof. Meena Bardia	Member
7	Sh. Sanjay Dhabai	Member
8	Dr. Pramila Acharya	Member
9	Dr. Tanuj Kanchan	Member
	Dr. Pratibha Singh (till 26.12.2023)	Chairperson
10	Dr. Shilpi Gupta Dixit (till 26.12.2023)	Member
11	Ms. Vandana Pandey (till 26.12.2023)	Member
12	Prof.J.Vajpai (till 26.12.2023)	Member
13	Dr. Dushyant Gehlot (till 31.05.2023)	Member Secretary

## **Anti-Ragging Committee**

The Anti ragging Committee was constituted for the year 2022-23 by ED AIIMS Jodhpur as per the guidelines and directions of the Honourable Supreme Court of India.

The anti ragging committee comprised of all the figure heads as mentioned in the Supreme court guidelines.

Anti ragging Squads were constituted as per the given directions and daily reporting by the antisquad members and the squad incharges is carried out on a daily basis.

The new students have been allocated separate living rooms in the hostel so that they are able to carry out their studies and all student activities without the fear of senior students bothering them.

Guards escort the students to their classes daily .

The antiragging squads conduct preplanned rounds three times per day from 7-9 am, 1-3 pm and 7-9 pm. The hostel caretakers and provosts conduct rounds daily in the hostel premises , the common Institute campus areas like the sports field, the amphitheatre, the canteens, the mess , the library and the college campus to ensure that there is no episode of ragging . Additional spot checking and surprise rounds are done so that the safety measures in place can be checked and verified .

The Institute has a student counsellor who is available at specified times for the benefit of the students and the Institute runs a Mentorship program comprising of faculty mentors and peer mentors for the guardianship of the students .

All antiragging measures as prescribed by the honourable supreme court of India are in place and followed with due diligenece and care to ensure a ragging free campus and Institute.



## Examination Cell

The Examination Section of AIIMS, Jodhpur was established in 2013. The Following were the office bearers in year 2023-2024:-

1.	Dr. Abhinav Dixit	-	Dean
2.	Dr. Dushyant Agrawal	-	Vice Dean
3.	Dr. Gopal Krishna Bohra	-	Sub Dean
4.	Dr. Shrimanjanath Sankanagoudar	-	Sub Dean
5.	Dr. Mayank Badkur	-	Assistant Dean
6.	Dr. Mahesh Arjundan Gadhvi	-	Assistant Dean
7.	Mr. Aashish Parihar	-	Assistant Dean

List of examinations conducted successfully:

### A. Professional/ Yearly Examinations

#### M.B.B.S. Professional Examinations

1.	1st Professional Supplementary M.B.B.S. Examination (Batch - 2021)	April 2023
2.	1st Professional M.B.B.S. Examination (Batch - 2022)	October 2023
3.	3rd Professional M.B.B.S. Examination (Batch - 2019)	November-December 2023
4.	1st Professional Supplementary M.B.B.S. Examination (Batch - 2022)	January 2024
5.	3rd Professional M.B.B.S. Supplementary Examination (Batch - 2019)	January–February 2024

#### B. Sc. (Hons.) & M. Sc. Nursing yearly Examinations

1.	B. Sc. (Hons.) Nursing 1st Year Supplementary Examinations (Batch-2021)	May 2023
2.	B. Sc. (Hons.) Nursing 4th Year Examinations (Batch-2019)	July 2023
3.	M. Sc. Nursing 1st Year Examinations (Batch-2022)	August 2023
4.	M. Sc. Nursing 2nd Year Examinations (Batch-2021)	August 2023
5.	B. Sc. (Hons.) Nursing 1st Year Examinations (Batch-2022)	September-October 2023
6.	B. Sc. (Hons.) Nursing 3rd Year Examinations (Batch-2020)	October 2023
7.	B. Sc. (Hons.) Nursing 1st Year Supplementary Examinations (Batch-2022)	January 2024
8.	B. Sc. (Hons.) Nursing 2nd Year Examinations (Batch-2021)	January 2024

#### B. Sc. (Hons.) Paramedical Professional Examinations

1.	B. Sc. (Hons.) Paramedical 1st Professional Examinations (Batch-2022)	October-November 2023
2.	B. Sc. (Hons.) Paramedical 1st Professional Supplementary Examinations (Batch-2022)	Jan- 2024

### B. Semester Examinations

#### M.B.B.S. Semester Examinations

1.	1st Semester (Special) M.B.B.S. Examination (Batch - 2022)	May 2023
2.	6th Semester M.B.B.S. Examination (Batch-2020)	May 2023
3.	3rd Semester M.B.B.S. Examination (Batch - 2021)	July 2023
4.	8th Semester M.B.B.S. Examination (Batch-2019)	August 2023
5.	2nd Semester M.B.B.S. Examination (Batch - 2022)	September 2023
6.	9th Semester M.B.B.S. Examination (Batch-2019)	October-November 2023
7.	4th Semester M.B.B.S. Examination (Batch-2021)	October-November 2023
8.	1st Semester M.B.B.S. Examination (Batch - 2023)	January 2024
9.	3rd Semester M.B.B.S. Examination (Batch - 2022)	March 2024

**B. Sc. (Hons.) Nursing Semester Examinations**

1.	B. Sc. (Hons.) Nursing 8th Semester Examination (Batch-2019)	May 2023
2.	B. Sc. (Hons.) Nursing 3rd Semester Examination (Batch-2021)	June 2023
3.	B. Sc. (Hons.) Nursing 2nd Semester Examination (Batch-2022)	July 2023
4.	B. Sc. (Hons.) Nursing 6th Semester Examination (Batch-2020)	August 2023
5.	B. Sc. (Hons.) Nursing 4th Semester Examination (Batch-2021)	October-November 2023
6.	B. Sc. (Hons.) Nursing 1st Semester Examination (Batch-2023)	February 2024
7.	B. Sc. (Hons.) Nursing 3rd Semester Examination (Batch-2022)	March 2024
8.	B. Sc. (Hons.) Nursing 7th Semester Examination (Batch-2020)	March 2024

**C. Post Graduate Exit Examinations**

1.	MD/MS/MDS/DM/M. Ch. Examinations Batch: (July - 2020)	June 2023
2.	M. Sc. (Medical) Examination (January-2021)	June 2023
3.	PDF Exit Examination (Various Department)	September 2023
4.	MD/MS/DM/M. Ch. Examinations Batch: (January- 2021)	December 2023
5.	MPH Exit Examination (Batch-2022)	January 2024
6.	PDF Exit Examination (Various Department)	March 2024

**D. Recruitment/Entrance Examinations**

1.	Ph. D. Entrance	April 2023
2.	MD/MS/MDS-Ph.D. dual degree program	July 2023
3.	Senior Resident (Various Departments) written Exam	August 2023
4.	PDF written Exam	August 2023
5.	Ph. D. Entrance	October 2023
6.	Entrance Test of Admission for MPH Course	December 2023
7.	Junior Resident (Dental)	February 2024
8.	Senior Resident (Various Departments) written Exam	February 2024
9.	PDF written Exam	February 2024
10.	MD/MS/MDS-Ph.D. dual degree program	March 2024
11.	Ph. D. Entrance	March 2024

## Recruitment Cell

The Recruitment Cell of AIIMS, Jodhpur was established in 2023. The following were the office bearers in year 2023-2024:-

1. Dr. Abhinav Dixit	-	Chairman
2. Dr. Shrimanjanath Sankanagoudar	-	Member
3. Dr. Mahesh Arjundan Gadhvi	-	Member
4. Dr. Anubhav Gupta	-	Member
5. Mr. Amit Mundra	-	Member
6. Mr. Sanjay Dabhai	-	Member

List of examinations conducted successfully:

### Recruitment/Entrance/Computer Based Test (CBT) examinations in the year 2023-2024

Exam Date	Exam/Post Name
02nd July, 2023	Senior Nursing Officer (Staff Nurse Grade – I)
04th September, 2023	Radiographic Technician Grade I
04th September, 2023	CSSD Technician
04th September, 2023	Manager/Supervisor/Gas Officer
04th September, 2023	Multi Rehabilitation Worker (Physiotherapist)
04th September, 2023	Speech Therapist/Technical Assistant (ENT)
04th September, 2023	Technical Assistant/Technician
04th September, 2023	Warden (Lady Hostel Warden)
04th September, 2023	Medical Record Officer
04th September, 2023	Radio-therapy Technician Grade II
04th September, 2023	Audiometry Technician (ENT)
04th September, 2023	Electro Cardiograph Technical Assistant
04th September, 2023	Occupational Therapist
04th September, 2023	Physiotherapist
04th September, 2023	Technical Officer (Technical Supervisor)
04th September, 2023	Store Keeper
04th September, 2023	TB and Chest Diseases Health Assistant
04th September, 2023	Technical Officer Ophthalmology (Refractionist)
04th September, 2023	Technical Officer (Dental)/Dental Technician
04th September, 2023	Technician Prosthetics or Orthotics
04th September, 2023	Vocation Counsellor
09th September, 2023	Warden (Hostel Warden)
30th October, 2023	Dietician
30th October, 2023	Legal Assistant
30th October, 2023	Librarian Grade III
30th October, 2023	Medico Social Worker
30th October, 2023	Psychiatric Social Worker
30th October, 2023	Public Health Nurse
30th October, 2023	Assistant Security Officer
30th October, 2023	Librarian Grade I (Documentalist)

# Departments



## Department of Anaesthesiology and Critical Care

S. No.	Name	Designation
1	Dr Pradeep Bhatia	Professor & Head
2	Dr Manoj Kamal	Professor
3	Dr Nikhil Kothari	Professor
4	Dr Shilpa Goyal	Professor
5	Dr Sadik Mohammed	Additional Professor
6	Dr Bharat Paliwal	Additional Professor
7	Dr Swati Chhabra	Additional Professor
8	Dr Rakesh Kumar	Additional Professor
9	Dr Priyanka Sethi	Additional Professor
10	Dr Ankur Sharma	Additional Professor (Trauma & Emergency)
11	Dr Kamlesh Kumari	Associate Professor
12	Dr Darshana Rathod	Assistant Professor
13	Dr Manbir Kaur	Assistant Professor

### About the Department:

Department is providing services of Anaesthesia, Critical care, Acute and Chronic pain management along with palliative care services. Over the years, the department has strengthened its services and has raised standards in patient care, education and research.

We have total six modular OT complexes (total 30 OT) with post Anaesthesia Care Units for individual floors. In Adult ICU, we have total 35 beds catering patients from various specialties. Anaesthesia services are regularly provided in day care OT Complex for procedures like GI endoscopy, bronchoscopy, and lithotripsy. Anaesthesia services are strengthened for procedures at periphery like DSA room, MRI room, Cath-lab, Radiotherapy, ECT, and Labour analgesia. The department is running PAC and Pain clinic throughout the year. In addition of providing anaesthesia services for the different challenging sub-specialty surgeries and robotic surgeries, we are also providing anaesthesia for transplant surgeries. Till now 08 liver transplant and 51 renal transplants have been done. ECMO services were started for ICU patients and till now ECMO services have been provided to 14 critically ill patients in ICU.

On the academic front, in addition to regular PG course (10 students per session), department is running DM critical care course (three students per session) and various fellowship programs in Pediatric Anaesthesia, Pain and palliative care, Neuroanaesthesia and Cardiacanaesthesia. The department has proposed DM courses in Pediatric Anaesthesia, Neuroanaesthesia, Cardiacanaesthesia, Oncoanaesthesia and MD course in Palliative Medicine. The department have also started BSc Medical Technician course (five students/year). Regular seminars, case discussion and journal club are held for residents in addition to clinical teaching in operation theatres and ICU. Many of the MD residents have been selected for various DM courses at prime institutes of India and few have also cleared FRCA.

The department is also actively involved in training activities and conducting conferences and workshops. The department organized 'Acute Neuro Care course', RSACP CME on the theme 'Understanding the nitty-gritty of Scientific Publication'. Department also organized workshop on Radiofrequency Ablation. AIIMS Jodhpur is International Training Center for AHA certified BLS and ACLS courses and the department is regularly conducting BLS and ACLS Provider and Instructor courses.

The PG residents won 1<sup>st</sup> prize in quiz in ISACON 2023, Gurugram and 3<sup>rd</sup> prize in Raj ISACON Udaipur. One of the DM critical care resident won 2<sup>nd</sup> prize in IFAD international quiz in WICC, 2023, Istanbul. Paediatric and Neuro Anaesthesia Fellow also won 2<sup>nd</sup> prize in quiz at National Conferences. Few Residents have also won prizes for paper/poster presentation at various State and National Conferences. During this period, 80 papers were published in PubMed indexed journals and 14 in non-PubMed journals. The department also publish a journal: 'The Indian Anaesthetists' Forum" published by Wolters Kluwer India Pvt. Ltd.

### **Compiled list of Publications of the department**

#### **PubMed Indexed**

1. Kamal M, Chawriya SK, Kumar M, Kaloria N, Sharma A, Bhatia P, et al. Effect of sevoflurane, propofol and propofol with dexmedetomidine as maintenance agent on intracranial pressure in the Trendelenburg position during laparoscopic surgeries. *J Anaesthesiol Clin Pharmacol* 2023; 39(3):474-481, Jul-Sep 2023.
2. Roy S, Kothari N, Sharma A, Goyal S, Sankanagoudar S, Bhatia PK, Sharma P. Comparison of Diagnostic Accuracy of Presepsin and Procalcitonin for Sepsis in Critically Ill Patients: A Prospective Observational Study. *Indian J Crit Care Med.* 2023;27(4):289-293.
3. Sreesanth KS, Soni SC, Varshney VK, Puranik AK, Bhatia PK. Short-term outcomes of enhanced recovery after surgery protocol in minimally invasive oesophagectomy: A prospective study. *Journal of Minimal Access Surgery.* 2023 May. DOI: 10.4103/jmas.jmas\_303\_22. PMID: 37282438.
4. Hari Prasad R, Paliwal B, Kamal M, Bhatia PK. Comparison of the effects of caffeine, aminophylline, and saline on the recovery from total intravenous anesthesia in laparoscopic surgeries: A randomized controlled trial. *J Anaesthesiol Clin Pharmacol* 2023; 39(3):404-410.
5. Anushaprasath U, Kumar M, Kamal M, Bhatia P, Kaloria N, Paliwal B, Gupta S, Mohammed S, Sharma A. Evaluation and comparison of sonographic difficult airway assessment parameters with clinical airway predictor. *J Anaesthesiol Clin Pharmacol* 2024.:10.4103/joacp.joacp\_181\_23, October 18, 2023. | DOI: 10.4103/joacp.joacp\_181\_23.
6. Kumar R, Mohammed S, Paliwal B, Kamal M, Chhabra S, Bhatia P, Syal R. The midpoint transvers process to pleura (MTP) block for postoperative analgesia in patients undergoing modified radical mastectomy: *J Anaesthesiol Clin Pharmacol* 2023; 39(4): 648-650.
7. Dang D, Mohammed S, Chhabra S, Roy S, Kamal M. Electrical hazard in the operating room: A joit from the TEE probe. *Journal of Cardiothoracic and Vascular Anaesthesia.* 2023;37(6):1061-1065.
8. Vajanthri SY, Mohammed S, Kumar M, Chhabra S, Bhatia P, Kamal M, Paliwal B. Evaluation of ultrasound airway assessment parameters in pregnant patients and their comparison with that of non-pregnant women: a prospective cohort study. *Int J Obstet Anesth.* 2023; 53:103623. doi: 10.1016/j.ijoa.2022.103623. Epub 2022 Dec 28. PMID: 36682134.
9. Kamal M, Sengupta S. Diaphragmatic ultrasound: A new frontier in weaning from mechanical ventilation. *Indian J Anaesth* 2023;67(4): S205-7. DOI: 10.4103/ija.ija\_1065\_23

10. Shukla A, Gonnade N, Kamal M. Management of Lymphoedema and Lymphorrhoea with Wrap around Compression in Breast Secondary to Carcinoma Breast: Case Report. *Indian J Palliat Care*. 2024;30(1):85-88. doi: 10.25259/IJPC\_165\_2023
11. Kumar, P.K., Japa, P., Tomo, S. *et al.* Exploring Micronutrient Dynamics in COVID-19 Severity and Mortality: Unraveling the Roles of Vitamin D, Calcium, Phosphorus, Magnesium and ALP. *Ind J Clin Biochem* (2024). <https://doi.org/10.1007/s12291-024-01225-9>
12. Goyal N, Bharadiya S, Dang D, Kamal M, Kumar R. Anaesthetic management for Aortopexy in an infant with tracheomalacia: *J Anaesthesiol Clin Pharmacol* 2024;40(1):175-7. DOI: 10.4103/joacp.joacp\_110\_22
13. Sharma A, Chandnani N, Vincent N, Goyal S. Count in Time So All is Fine. *Indian J Otolaryngol Head Neck Surg*. 2023;75(3):2595-2597.
14. Sharma A, Goyal S, Singh, N.C. *et al.* The understanding of medical undergraduates and interns towards basic life support: a cross-sectional study. *Ain-Shams J Anesthesiol* 15, 44 (2023).
15. Chhabra D, Goyal S, Rathod D, Sharma A. Anaesthetic considerations in a child with ROHHADNET syndrome - A case study. *Indian J Anaesth*. 2023;67(6):571-572.
16. Yadav P, Goyal S, Sharma, A. *et al.* Effect of cannula size on pain on propofol injection in children receiving general anesthesia—an observational study. *Ain-Shams J Anesthesiol* 2023.15, 47.
17. Siddaramaiah MN, Sharma A, Goyal S, Kumar S, Kumari K, Goel AD, Bhatia P, Kothari N. Comparison of ultrasound-guided dynamic needle tip positioning and acoustic shadowing technique with palpation technique for radial arterial cannulation by experienced clinicians: A randomized controlled trial. *J Vasc Access*. 2023 Jun 27.
18. Vyas R, Sharma A, Goyal S, Vyas V, Kothari N. Anesthetic challenges for pheochromocytoma surgery in pediatric patients: A case series. *Saudi J Anaesth*. 2023 ;17(2):252-255.
19. Bd V, Goyal S, Sharma A, Kothari N, Kaloria N, Sethi P, Bhatia P. Comparison of intranasal dexmedetomidine-midazolam, dexmedetomidine-ketamine, and midazolam-ketamine for premedication in paediatric patients: a double-blinded randomized trial. *Anaesthesiol Intensive Ther*. 2023;55(2):103-108.
20. Sahoo P, Kothari N, Sharma A, Goyal S. Author Reply: Comparison of Norepinephrine and Terlipressin vs Norepinephrine Alone for Management of Septic Shock: A Randomized Control Study. *Indian J Crit Care Med*. 2023;27(8):603-604.
21. Goyal N, Nemani S, Sharma A, Vyas V, Kothari N, Goyal S. Medication errors in the practice of paediatric anaesthesia - a narrative review. *Anaesthesiol Intensive Ther*. 2023;55(3):229-236.
22. Mohan AM, Sharma A, Goyal S, Kothari N, Vyas R, Goel AD, Sethi P, Kumari K, Bhatia P. Comparison of Caudal Dexmedetomidine and Midazolam as an Adjuvant to Ropivacaine for Postoperative Pain Relief in Children Undergoing Infra-Umbilical Surgeries: A Randomized Controlled Trial. *Asian J Anesthesiol*. 2023 1;61(2):89-101
23. Karan P, Sharma A, Mukesh A, Goyal S, Rathod D, Kumari K, Meshram T, Kothari N, Bhatia P. Comparison of procedural time with two different ultrasound-guided approaches for dorsalis pedis artery cannulation in adult patients: A randomized trial. *J Vasc Access*. 2024 10:11297298231219431.
24. Kothari N, Venkatchalam K, Goyal S, Banerjee M, Sharma A, Paliwal B, Mohammed S, Bhatia P. Comparing the dose of propofol on combining with ketamine versus fentanyl in patients on ventilator. *Critical Care Medicine* 2024; 52: S690.
25. Rao JK, Chhabra S, Mohammed S, Bhatia PK, Goyal S, Kumar R. Comparison of the effects of dexmedetomidine and nitroglycerin on cerebral oxygen saturation using near-infrared spectroscopy in



- patients undergoing controlled hypotensive anaesthesia: A randomised controlled non-inferiority trial. *Indian J Anaesth.* 2024;68(3):254-260.
26. Mishra S, Kothari N, Sharma A, Goyal S, Rathod D, Meshram T, Bhatia P. Comparison of Oxygen Delivery Devices in Postoperative Patients with Hypoxemia: An Open-labelled Randomized Controlled Study. *Indian J Crit Care Med.* 2024;28(3):294-298.
  27. Paliwal N, Bihani P, Mohammed S, Rao S, Jaju R, Janweja S. Assessment of Knowledge, Barrier in Implementation, and Compliance to Ventilator Bundle among Resident Doctors and Nurses Working in Intensive Care Units of a Tertiary Care Center of Western India: A Cross-sectional Survey. *Indian J Crit Care Med* 2023;27(4): 270–2.
  28. Sharma L, Bhatia P, Mohammed S, Sethi P, Chhabra S, Kumar M. Comparison of continuous erector spinae plane block and thoracic paravertebral block for postoperative analgesia in patients undergoing modified radical mastectomy: A randomised controlled non-inferiority trial. *Indian J Anaesth* 2023;67(4):357-63.
  29. Mohammed S, Biyani G, Metta R, Dang D. Which Airway Pressure Determines Air Leakage While Using a Laryngeal Mask Airway Device? *Anesth Analg.* 2023;136(6):e30-e31.
  30. Kumari K, Rathod D, Meshram T, Mohammed S, Raju S, Sharma A, Chaudhary B, Bhatia P. Perioperative anesthesia challenges and outcomes of patients with Rhino-Orbito-Cerebral Mucormycosis during the second wave of COVID-19 pandemic: An observational study. *Journal of Anaesthesiology Clinical Pharmacology* 2023;39(4):615-21.
  31. Kumar R, Bihani P, Mohammed S, Syal R, Bhatia P, Jaju R. Comparison of Clinical Performance of C-MAC Video Laryngoscope Guided vs Blind Placement of I-Gel® in Paediatric Patients: A Randomized Controlled Open-Label Trial. *Turk J Anaesthesiol Reanim.* 2023;51(4):347-353.
  32. Mohammed S, Bhatia P, Chhabra S, Sharma L, Kumar M, Sethi P. Research design justification for different regional blocks following modified radical mastectomy. *Indian J Anaesth* 2024;68(2):218-9.
  33. Saroha D, Panda S, Deora S, Mohammed S. Cardiac Abnormalities in Refractory Status Epilepticus- an Exploratory Study. *Journal of Epilepsy Research* 2023;13:42-50.
  34. Rao JK, Chhabra S, Mohammed S, Bhatia PK, Goyal S, Kumar R. Comparison of the effects of dexmedetomidine and nitroglycerin on cerebral oxygen saturation using near-infrared spectroscopy in patients undergoing controlled hypotensive anaesthesia: A randomised controlled non-inferiority trial. *Indian J Anaesth* 2024;68:254-60.
  35. Qureshi F, Kumar S, Yadav S, Mohammed S, Bhatia P. Point-of-care ultrasound (POCUS) to the rescue in VA-ECMO. *J Ultrason* 2024;24:13.
  36. Kashyap RM, Bhatia P, Meshram TM, Chhabra S, Kumar R. Effect of Different Extubation Strategies on Atelectasis in Older Adults after Major Abdominal Surgeries: A Prospective Randomised Controlled Trial. *Ann Geriatr Med Res.* 2024; 21.
  37. Bhatia P, Ramachandran A, Mohammed S, Kamal M, Chhabra S, Paliwal B. Gastric insufflation with high flow nasal canula oxygen therapy: An observational study. *Critical Care Medicine* 2023;51(1):415
  38. Nijs K, McQueen S, Chhabra S, Goldmacher J, Venkatraghavan L, Bernstein M. Same-day discharge after craniotomy for tumor resection: a retrospective observational single-center study of 630 patients. *J Neurosurg.* 2023; 1:1-8.
  39. Kumar R, Mohammed S, Paliwal B, Kamal M, Chhabra S, Bhatia P, Syal R. The midpoint transverse process to pleura (MTP) block for postoperative analgesia in patients undergoing modified radical mastectomy: A case series. *J Anaesthesiol Clin Pharmacol.* 2023;39(4):648-650.
  40. Bharti N, Sethi P, Kaur M, Dang D. Nebulized ketamine in minor bronchoscopy procedures: A possibility. *J Anaesthesiol Clin Pharmacol.* 2023 ;39(2):335-336.

41. Sethi, Priyanka; Kaur, Manbir; Dang, Deepanshu; Bhatia, Pradeep. High thoracic erector spinae plane block for forequarter amputation: A new perspective. *Journal of Anaesthesiology Clinical Pharmacology* 2024; 10.4103/joacp.joacp\_394\_22 08, 2024.
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14. Das KN, Sharma V, Gupta D, Soni K, Katti M, Kaur M, Sharma AK, Kamal M, Sinha A, Goyal A. Troubleshooting of Unusual and Challenging Presentation in Pediatric Airway Emergency: A Case Series. *J Pediatr Pulmonol*. 2023;2(3): 98-103.

#### **Workshops/ Conferences Organized**

1. Two-day Workshop on "Acute Neuro Care (ANC 2023)" under the aegis of Indian Society of Neuroanaesthesia and Critical Care (ISNACC) and Neurocritical Care Society of India (NCSI), on 06th & 07th May 2023 at E-Classroom, AIIMS, Jodhpur.
2. One day long Mid Term CME on "Understanding the nitty-gritty of scientific publication" under the aegis of Research Society of Anaesthesiology and Clinical Pharmacology (RSACP), on 03rd Sep 2023 at Auditorium AIIMS, Jodhpur.
3. Workshop on 'Radiofrequency Ablation' on 26<sup>th</sup> -27<sup>th</sup> August 2023
4. American Heart Association (AHA) Certified BLS and ACLS Provider Course, in April'23, Sept'23, Dec'23, Jan'24 under ITC AIIMS Jodhpur.
5. American Heart Association (AHA) Certified BLS and ACLS Instruction Course. 31<sup>st</sup> march – 2<sup>nd</sup> April 2023.

#### **Eminent Visitors:**

1. Dr Ghanshyam Biyani, Associate Professor, AIIMS Mangalagiri. Guest Lecture on 'Current advances in management of PDPH'.

#### **Any other information:**

Workshops organized by Department of Anaesthesiology and Critical Care, AIIMS Jodhpur.

1. Department of Anaesthesiology and Critical Care, AIIMS Jodhpur organized Acute Neuro Care course on 6<sup>th</sup> and 7<sup>th</sup> May 2023. The course with well curated sessions imparted training in adopting a focused approach in neuro-emergencies.



Group photograph of participants with resource faculty

2. The department organized RSACP CME on September 3<sup>rd</sup>, 2023 with the theme 'Understanding the nitty-gritty of Scientific Publication' attended by around 50 delegates.



Resource faculty during inauguration of CME

3. The department organized Radiofrequency Ablation Workshop on 26<sup>th</sup> -27<sup>th</sup> August 2023, attended by 40 delegates.



Enthusiastic participants during a Hands-on session



4. We are regularly conducting AHA certified BLS and ACLS Provider courses for medical and paramedical staff to train them in CPR skills for the management of in-hospital cardiac arrest. This year BLS and ACLS Provider courses was conducted in April'23, Sept'23, Dec'23, Jan'24 under ITC AIIMS Jodhpur. All courses had about 20 - 25 participants each who were trained and assessed for their BLS and ACLS skills over 03 days. The successful participants were awarded with BLS and ACLS provider certificates.



Resource persons with participants during ACLS and BLS session

**Name of faculty: Dr Pradeep Kumar Bhatia**

**Designation: Professor and Head**

**Book:**

1. Jain A, Bhatia P. Essential of Anaesthesia and Critical Care, Jain A, Bhatia P (Editors), 2nd Edition, New Delhi, Jaypee Brothers. 2023.

**Paper Presented**

1. Bhatia P. Impact of various airway devices used in infants under general anaesthesia on perioperative respiratory complications: A prospective observational study. 16<sup>th</sup> World Intensive and Critical Care Congress; 26<sup>th</sup> -30<sup>th</sup> August 2023, Istanbul.

**Sessions Chaired**

1. Initiating a research project. RSACP CME; 3<sup>rd</sup> September 2023, AIIMS Jodhpur.
2. Panel Discussion "A Roundtable discussion on Silver Trauma with geriatric experts". 1st Annual International Conference of Society of Trauma Anaesthesia and Critical Care; Nov 2<sup>nd</sup> – 5<sup>th</sup> 2023, PGIMER, Chandigarh.

**Invited Lectures**

1. High Acuity Post-op Care: Need of the Hour. CME at 70<sup>th</sup> ISACON; 23<sup>rd</sup> November 2023, Gurugram
2. Respiratory dynamics in high cervical spine injuries on ventilator. 1st Annual International Conference of Society of Trauma Anaesthesia and Critical Care; Nov 2<sup>nd</sup> – 5<sup>th</sup> 2023, PGIMER, Chandigarh

**Scientific Awards/ Patents**

1. Best Poster Award. Impact of various airway devices used in infants under general anaesthesia on perioperative respiratory complications: A prospective observational study, 16<sup>th</sup> World Intensive and Critical Care Congress, Istanbul, 26<sup>th</sup> -30<sup>th</sup> August 2023

### **Examinership**

1. External Examiner for DM Critical Care. SGPGI Lucknow, 2023
2. External Examiner for DM Critical Care, JIPMER, Pondicherry, 2023

### **Membership/Post in Journal or Society or Association**

1. Editor-in-Chief; Journal of Anaesthesiology Clinical Pharmacology
2. Editor & publisher; The Indian Anaesthetists Forum
3. Member; Ethics Committee
4. Member; Secretary of Ethics Sub Committee (Drug Trial Committee)
5. President; City Branch, Indian Association of Cardiovascular and Thoracic Anaesthesiologists (IACTA)

### **National/ International Conferences attended**

1. World Intensive and Critical Care Congress. Istanbul, 26<sup>th</sup> -30<sup>th</sup> August 2023
2. 70th Annual National Conference of Indian Society of Anaesthesiologists (ISACON 2023). Organized by ISA Gurugram City Branch, hosted ISA Haryana State Branch, Le Meridien, Gurugram, Haryana, 22<sup>nd</sup> – 26<sup>th</sup> Nov 2023.
3. 1st Annual International Conference of Society of Trauma Anaesthesia and Critical Care. PGIMER, Chandigarh, 2<sup>nd</sup> -5<sup>th</sup> Nov 2023.

**Name of Faculty: Dr Manoj Kamal**

**Designation: Professor**

### **Papers Presented:**

1. Kamal M, Mohan M, Bhatia P. Comparison of analgesic efficacy of bilateral erector spinae plane block with conventional intravenous patient-controlled analgesia in patients undergoing cardiac surgery with mid-line sternotomy: An open label randomized controlled trial. ASA NSC 2023, 4<sup>th</sup> -8<sup>th</sup> October 2023, Melbourne Convention and Exhibition Centre (MCEC) South wharf, Victoria, Australia.

### **Sessions Chaired:**

1. Session: Valve Conclave, 27<sup>th</sup> Annual conference of cardiovascular and thoracic anaesthesiologists (IACTACON 2024). 9<sup>th</sup> -11<sup>th</sup> February 2024, Hotel Center Point, Nagpur, Maharashtra.
2. Session: Comprehensive Literature Search Strategies, Research society of anaesthesiologists and clinical pharmacology (RSACP) CME. 3<sup>rd</sup> September 2023, AIIMS Auditorium, Jodhpur.
3. 8<sup>th</sup> International & 17<sup>th</sup> National Transesophageal Echocardiography (TEE) workshop & CME. 16<sup>th</sup> - 19<sup>th</sup> August 2023, NH health City, Bangalore.

### **Invited Lectures**



1. Role of images in diagnosis of different pain condition, Panelist, on International Conference on Recent Advances in Pain, (ICRAPAIN) 2024. 8<sup>th</sup>-10<sup>th</sup> March 2024, Biswa Bangla Convention Centre, Kolkata
2. Session: Artificial Intelligence in clinical care. International Society of Heart Research (Indian Section) & International Academy of Cardiovascular Sciences (India Section) ISHR 2024, 16<sup>th</sup> – 18<sup>th</sup> Feb 2024, AIIMS, Jodhpur.
3. Troubleshooting of radiofrequency ablation, ISPCCON 2023, 15<sup>th</sup> -17<sup>th</sup> December 2023, Atal Bihari Vajpayee Scientific Convention Center, Lucknow
4. Cardiac output monitoring in noncardiac surgery. ICACON 2023. 3<sup>rd</sup>-5<sup>th</sup> November 2023, Sai Vishram Hotel, Bengaluru.
5. Session: Periop Emergencies, Perioperative cardiac emergencies in non-cardiac surgery, 23<sup>rd</sup> November 2023, ISACON 2023, 22<sup>nd</sup> -26<sup>th</sup> November 2023, Le Meridian Hotel, Gurgaon, Haryana.

#### **Resource Faculty:**

1. Managing severe pain. Palliative Care Awareness Workshop, 29<sup>th</sup> -30<sup>th</sup> October 2023, Government Medical College, Pali.
2. Practice advisory for perioperative management of patient with pacemaker. 30<sup>th</sup> September, RAJISACON 2023, 29<sup>th</sup> Sep-1<sup>st</sup> Oct 2023, Geetanjali Medical College, Udaipur, Rajasthan.
3. Publications that have changed the airway practices in airway management in last decade. Session: VII, 9<sup>th</sup> Sep 2023, NAC 2023, 8<sup>th</sup> -10<sup>th</sup> Sep 2023, Sher-e-Kashmir, Srinagar.
4. Palliative care in elderly. Training of medical officers in comprehensive geriatric care, 12<sup>th</sup> -14<sup>th</sup> July 2023, AIIMS Jodhpur.
5. Role of tertiary health care in palliative care. 13<sup>th</sup> May 2023, Government Medical College, Barmer.
6. Pain Management in palliative care patients. 13<sup>th</sup> May 2023, at Government Medical College, Barmer.
7. 4<sup>th</sup> Step of WHO Analgesic Ladder, 13<sup>th</sup> May 2023, Government Medical College, Barmer.
8. 4<sup>th</sup> Step of WHO Analgesic Ladder, 23<sup>rd</sup> April 2023, MDM Hospital Jodhpur.
9. Emergencies in Palliative Care, 26<sup>th</sup> April 2023, SHIFW Jaipur.
10. Pain Management in Palliative Care Workshop, 25<sup>th</sup> April 2023, SHIFW Jaipur.
11. Emergencies in Palliative Care, 23<sup>rd</sup> April 2023, SHIFW Jaipur.
12. Pain Management in Palliative Care Workshop, 22<sup>nd</sup> April 2023, SHIFW Jaipur.

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

1. Application of VExUS (venous excess ultrasound) grading in predicting occurrence of Acute Kidney Injury (AKI) in patients undergoing cardiac surgeries and its correlation with the Cleveland Clinic Score- an observational study, Non funded
2. Home based palliative care project. Funded by Cipla foundation.

##### **As Co-Investigator**

1. Effects Of Inhaled Milrinone On Right And Left Heart Echocardiographic Parameters: An Observational Study. Non funded

#### **Scientific Awards/Patents**

1. Certificate of Appreciation. For outstanding research contribution in form of securing the CSR funding on “First Research Day”, AIIMS Jodhpur, January 13<sup>th</sup> 2024.

### **Examinership**

1. DNB practical examiner, Sir Gangaram Hospital, New Delhi, 9<sup>th</sup> March 2024
2. Thesis examiner, DM Oncoanaesthesia, AIIMS New Delhi, October 2023
3. Thesis examiner, DM Pain Medicine Anaesthesiology (Batch- Jan 2021), August 2023
4. Internal examiner, Pain and Palliative Care fellowship, Sep 2023
5. Internal examiner, Cardiac Anaesthesia fellowship, 19<sup>th</sup> March 2023

### **National/ International Conferences attended:**

1. ASA NSC 2023. Organized by Australian Society of Anesthesiologists, ASA NSC 2023, 4<sup>th</sup> -8<sup>th</sup> October 2023, Melbourne Convention and Exhibition Centre (MCEC) South wharf, Victoria, Australia.

**Name of Faculty: Dr Nikhil Kothari**

**Designation: Professor**

### **Book/ Chapter**

1. Kothari N, Sharma A. Monitoring and Management during the course of Mechanical Ventilation. 18<sup>th</sup> July 2023. by Pradip Kumar Bhattacharya (Author), Jay Prakash (Author), Rajesh Chandra Mishra (Author), ISCCM (Author)

### **Papers Presented:**

1. Effect of duration of preoperative fasting on the incidence of emergence delirium in pediatric patients during recovery from general anesthesia: A Randomized Controlled Trial. ESPA. Sept'23, Prague, Czech Republic.

### **Invited Lectures:**

1. Invited Faculty to conduct the Mechanical Ventilation Workshop. CRITICARE 2024, Feb 2024, Kolkata.

### **Resource Faculty**

1. Training Centre Co-ordinator of AHA “International Training Centre”, AIIMS Jodhpur.
2. Course faculty in AHA certified BLS and ACLS Provider courses in April'23, Sept'23, Dec'23, Jan'24 under ITC AIIMS Jodhpur.
3. Course faculty and TCF in AHA certified BLS and ACLS Instructor courses held in April'23 at AIIMS Jodhpur.
4. Course Faculty in AHA certified BLS and ACLS Provider courses in July'23 as Training site in AIIMS Manglagiri.
5. Working as AHA (American Heart Association) ‘Regional faculty’ to monitor the quality of AHA certified BLS and ACLS courses across India.

### **Research Project:**

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### **Ongoing**

#### **Chief Investigator**

1. Multicentric Trial: Practice pattern of aerosol therapy in ICU patients (AERO-IN ICU).

#### **Patents**

1. CORONA Umbrella. Patent No. 521430
2. Mobile Aerosol Restriction Box. Patent No. 521321

#### **Examinership:**

1. Internal examiners for DM Critical Care Exit exam. July 2023

#### **National/ International Conferences attended:**

1. ESPA. Prague, Czech Republic, Sept'23.
2. Biostatistics and Sample size workshop. CMC Vellore, Oct'23.
3. Indian Society of Critical Care Medicine (ISCCM). CRITICARE 2024, Kolkata

### **Name of Faculty: Dr Shilpa Goyal**

#### **Designation: Professor**

#### **Papers Presented:**

1. Comparison of intraoperative temperature monitoring by ZHF device and Nasopharyngeal probe in pediatric patients: A prospective, observational study. ESPA. Sept'23, Prague, Czech Republic.

#### **Sessions Chaired:**

1. Invited Faculty in Indian Association of Pediatric Anesthesia (IAPA)'24 as a faculty to moderate the session on "Fluid Harmony: Navigating Paediatric Anesthesia's Vital Currents. Feb'24, PGICH, Noida

#### **Invited Lectures**

1. Cardio-Pulmonary Changes after Birth and Anaesthetic Implications. Neonatal Anesthesia Society Conference (NASCON)'23. July'23, New Delhi.

#### **Resource Faculty:**

1. Course faculty in AHA certified BLS and ACLS Provider courses in April'23, Sept'23, Dec'23, Jan'24 under ITC AIIMS Jodhpur.
2. Course Faculty in AHA certified BLS and ACLS Provider courses in July'23 as Training site in AIIMS Manglagiri.
3. Course faculty and Training Centre Faculty (TCF) in AHA certified BLS and ACLS Instructor courses held in April'23 at AIIMS Jodhpur.
4. Working as AHA (American Heart Association) 'Regional faculty' to monitor the quality of AHA certified BLS and ACLS courses across India.
5. Course Coordinator of Pediatric Anaesthesia Fellowship course at AIIMS Jodhpur.

**Research Project:**

**Ongoing:**

**As Co-Investigator:**

1. Cadaver validation of modified tracheostomy tube. Intramural project
2. Incidence of perioperative adverse events in overweight and obese children in India- a prospective observational multi centric study.

**Completed:**

**As Co-Investigator:**

1. A randomized controlled trial comparing ultrasound-guided versus traditional palpatory methods of posterior tibial artery cannulation in adult patients.

**Examinership:**

1. External Subject expert for MD exam, AIIMS Bhubhaneshwar, Nov'23.
2. Internal examiner for the Pediatric fellowship exit exam, 2023

**Membership/Post in Journal or Society or Association:**

1. Editorial Board Member and Section editor; Pediatric Anesthesia" of Online Journal "The Indian Anaesthetist's Forum"
2. Secretary; Rajasthan state IAPA branch.
3. Treasurer; City branch of ISCCM

**National/ International Conferences attended:**

1. ESPA. Prague, Czech Republic, Sept'23.
2. Biostatistics and Sample size workshop. CMC Vellore, Oct'23.

**Name of Faculty: Dr Sadik Mohammed**

**Designation: Additional Professor**

**Books/Chapters**

1. Mohammed S, Bhatia P, Kumari K. Blood Salvage Techniques. In: Jain A, Bhatia P Editors. Essential of Anaesthesia and Critical Care, 2nd Edition, New Delhi: Jaypee Brothers. 2023. p 190-96.

**Papers Presented:**

1. Mohammed S, Chaudhary G, Bhatia P, Kamal M, Kumar R, Kumari K. Diagnostic accuracy of subclavian vein collapsibility index v/s inferior vena cava collapsibility index for predicting postinduction hypotension: an observational study. Presented a poster during the Annual Congress of the European Society of Anaesthesiology and Intensive Care (Euro Anaesthesia 2023), Scottish Event Complex, Glasgow, Scotland, 03<sup>rd</sup> – 05<sup>th</sup> June 2023, Scottish Event Complex, Glasgow, Scotland.

**Sessions Chaired:**

1. ICU Stewardship – Candidemia Bundle. 5th National Conference and Workshop Antimicrobial Stewardship in India, Department of General Medicine and Infectious Disease, 29<sup>th</sup> Sep - 1<sup>st</sup> Oct, 2023, AIIMS, Jodhpur.
2. The Primus. 27th Annual National Conference of Indian Association of Cardiovascular and Thoracic Anaesthesiologists (IACTACON2024), Society of Cardiothoracic Anesthesiologists Nagpur, 09th Feb - 11st Feb 2024, Hotel Center Point, Nagpur.
3. AI in Clinical Care. 2nd Joint Annual Meeting of International Society of Heart Research (Indian Section) & International Academy of Cardiovascular Sciences (India Section) ISHR 2024, 16<sup>th</sup> – 18<sup>th</sup> Feb 2024, AIIMS, Jodhpur.
4. Eye se I Learn – Interesting Video. 70th Annual National Conference of Indian Society of Anaesthesiologists (ISACON 2023), ISA Gurugram City Branch, hosted ISA Haryana State Branch, 22<sup>nd</sup> – 26<sup>th</sup> Nov 2023, Le Meridien, Gurugram, Haryana.

### Invited Lectures

1. Aortic Valve assessment. 8th International and 17th National Transoesophageal Echocardiography (TEE) workshop & CME, 16th - 19th August 2023, NH Health City, Bangalore.
2. Speaker for VL in pro-con debate on “VL versus Fiberoptic for Awake intubation” during 14th National Airway Conference (NAC 2023) of All India Difficult Airway Association (AIDAA), AIDAA Srinagar City Branch, 07th - 10th September 2023, Sher-i-Kashmir Institute of Medical Sciences, Soura Srinagar.
3. Data Identification and ascertaining statistical tests. Mid Term CME on “Understanding the nitty-gritty of scientific publication”, Department of Anaesthesiology and Critical Care AIIMS Jodhpur, under the aegis of Research Society of Anaesthesiology and Clinical Pharmacology (RSACP), 03rd Sep 2023 at Auditorium AIIMS, Jodhpur.
4. Participated as a speaker in the National Board of Examination in Medical Sciences (NBEMS) webinar class and took two classes on “Basics of Mechanical Ventilation”, 07th and 14th Feb 2024.

### Resource Faculty:

1. Moderated a hands-on interactive session with group discussion on “Meningitis and Encephalitis” during “Acute Neuro Care (ANC 2023)” organized by department of Anaesthesiology and Critical Care AIIMS Jodhpur under the aegis of Indian Society of Neuroanaesthesiology and Critical Care (ISNACC) and Neurocritical Care Society of India (NCSI), 06th - 07th May 2023, E-Classroom, AIIMS, Jodhpur.
2. Supervised a station on “TEE Simulation”. 8th International and 17th National Transoesophageal Echocardiography (TEE) workshop & CME, 16th - 19th August 2023, NH Health City, Bangalore.
3. Participated as resource faculty in the workshop on “Surgical Airway”. 14th National Airway Conference (NAC 2023) of All India Difficult Airway Association (AIDAA), Organised by AIDAA Srinagar City Branch, 07th - 10th September 2023, Sher-i-Kashmir Institute of Medical Sciences, Soura, Srinagar.
4. Participated as resource faculty in the workshop on “POCUS”. 70th Annual National Conference of Indian Society of Anaesthesiologists (ISACON 2023), Organised by ISA Gurugram City Branch, hosted ISA Haryana State Branch, from 22nd - 26th Nov 2023, Le Meridien, Gurugram, Haryana.
5. Participated as resource faculty in the workshop on “Ultrasound-guided regional anaesthesia”, Department of Anaesthesiology, Dr S N Medical College, Jodhpur and Hosted by ISA City Branch Jodhpur, 27th Nov 2023 at Skill lab, MDM Hospital, Jodhpur.

6. Participated as resource faculty in the workshop on “Mechanical Ventilation”, organised by the Department of Anaesthesiology, Dr S N Medical College, Jodhpur and Hosted by Rajasthan Society of Anaesthesiologists, 21st Jan 2024 at Skill lab, MDM Hospital, Jodhpur.
7. Participated as resource faculty in the workshop on “POCUS”. 30th Annual National Conference of Indian Society of Critical Care Medicine (Criticare 2024), ISCCM Kolkata City Branch, hosted ISCCM National, 28th Feb - 03rd March 2024, ITC Royal Bengal, Kolkata.

### **Research Project:**

#### **Ongoing:**

#### **As Principal Investigator**

1. Effect of triple vs double drug regimens with at least two sensitive antibiotics on the outcome of patients infected with ventilator associated pneumonia due to carbapenem-resistant *Acinetobacter Baumannii*: A randomized controlled study
2. Effect of Inhaled Milrinone on right and left heart echocardiographic parameters: An observational study

### **Scientific Awards/Patents**

1. Patent “Single Lumen Dual Curvature Tube” granted on 23/12/2023 via Patent No. : 489204 by the patent office Government of INDIA.

### **Examinership**

1. NBEMS appointed External Examiner for the DNB practical examination in the specialty of Anaesthesiology. Sardar Patel Medical College, PBM Hospital, A-Block, Bikaner-334001, Rajasthan, 9<sup>th</sup> March 2024.
2. Internal Examiner for the PDF practical examination in the specialty of cardiac anaesthesia, AIIMS Jodhpur, 19<sup>th</sup> March 2024.

### **Membership/Post in Journal or Society or Association**

1. Vice president; Jodhpur society of Anaesthesiologists city branch.

### **National/ International Conferences attended:**

1. Attended the Annual Congress of the European Society of Anaesthesiology and Intensive Care (EuroAnaesthesia 2023), Scottish Event Complex, Glasgow, Scotland, 03rd - 05th June 2023.
2. 8th International and 17th National Transoesophageal Echocardiography (TEE) workshop & CME held at NH Health City, Bangalore India, 16th - 19th of August 2023.
3. Attended 14th National Airway Conference (NAC 2023) of All India Difficult Airway Association (AIDAA), Organised by AIDAA Srinagar City Branch, held at Sher-i-Kashmir Institute of Medical Sciences, Soura, Srinagar, 07th - 10th September 2023.
4. 5th National Conference and Workshop Antimicrobial Stewardship in India, hosted by Department of General Medicine and Infectious Disease, AIIMS Jodhpur at Auditorium, AIIMS, Jodhpur, 29th Sep - 1st Oct, 2023.
5. 70th Annual National Conference of Indian Society of Anaesthesiologists (ISACON 2023), Organised by ISA Gurugram City Branch, hosted ISA Haryana State Branch, held at Le Meridien, Gurugram, Haryana, 22nd - 26th Nov 2023.

6. 27th Annual National Conference of Indian Association of Cardiovascular and Thoracic Anaesthesiologists (IACTACON2024), hosted by Society of Cardiothoracic Anesthesiologists Nagpur at Hotel Center Point, Nagpur, 09th Feb - 11st Feb 2024.
7. 30th Annual National Conference of Indian Society of Critical Care Medicine (Criticare 2024), Organised by ISCCM Kolkata City Branch, hosted ISCCM National, ITC Royal Bengal, Kolkata, 28th Feb - 03rd March 2024.
8. 2nd Joint Annual Meeting of International Society of Heart Research (Indian Section) & International Academy of Cardiovascular Sciences (India Section) ISHR 2024, Auditorium, AIIMS, Jodhpur, 16th - 18th Feb 2024.

**Name of Faculty: Dr Bharat Paliwal**

**Designation: Additional Professor**

#### **Books/Chapters**

1. Kaur M, Paliwal B, Sharma A. Anesthesiologist as a Perioperative Physician. In: Jain A, Bhatia P Editors. Essential of Anaesthesia and Critical Care, 2nd Edition, New Delhi: Jaypee Brothers. 2023. p 197-99.

#### **Papers Presented:**

1. Paliwal B, Neogy S, Bhatia P, Kamal M, Mohammed S, Kumar R. Comparison of 0.5% Ropivacaine and 0.5% Ropivacaine with Clonidine in Erector Spinae Plane Block for postoperative analgesia in Modified Radical Mastectomy: A Randomised Controlled Trial. Annual Conference of New Zealand Pain Society (NZPS 2024), 21st -24th March 2024, Dunedin, New Zealand.

#### **Sessions Chaired:**

1. Author, Journal & Social media metrics in medical publication (Moderator- Dr Nishant Sahay), RSACP Midterm CME, September 3rd ,2023, AIIMS, Jodhpur.

#### **Invited Lectures:**

1. Refractory Hypoxemia. 23<sup>rd</sup> Annual Conference of Society of Anaesthesiologist of Nepal (SANCON 2024), 29<sup>th</sup> - 30<sup>th</sup> March 2024, Hyatt Regency, Taragaon, Kathmandu, Nepal
2. Continuous spinal anaesthesia – PRO (16:10 – 16:20), PRO CON SESSION, 70th Annual National Conference of the Indian Society of Anaesthesiologists (ISACON 2023), ISA Gurugram City Branch, hosted ISA Haryana State Branch, from 22nd - 26th Nov 2023, Le Meridien, Gurugram, Haryana
3. Introduction to Palliative Care. 20th Nov 2023, CFM department, AIIMS, Jodhpur
4. Pain Management: Past and Current concepts. 4th International and 14th Annual National Conference of Indian College Of Anesthesiologists (ICACON 2023), 2nd - 5th November 2023, Sai Vishram, Electronic City, Bengaluru.
5. Palliative Care in ICU and Respiratory issues in Palliative patients, CME organised by department of Anaesthesiology, 30<sup>th</sup> October 2023, Government Medical College, Pali.
6. Pro-con session: Zero Balance Fluid: Yes or No (Pros), and Chairperson (1st October 2023, 11:45 AM - 12:45 PM) at RAJISACON 2023, 30th September- 1st October 2023, Geetanjali Medical College, Udaipur, Rajasthan

7. Conducted Workshop on Peripheral Nerve Blocks. 24<sup>th</sup> September 2023, at Government Medical College, Jhalawar. Lecture on “Basics of Ultrasound guided blocks”
8. Human factors in airway Management. 14th National Airway Conference (NAC 2023), of All India Difficult Airway Association (AIDAA), 07th - 10th September 2023, AIDAA Srinagar City Branch, Sher-i-Kashmir Institute of Medical Sciences, Soura, Srinagar.
9. “Introduction to Palliative care” and “Safe use of Opioids: Procuring, storing and dispensing”. Workshop on Palliative Care, 13<sup>th</sup> -14<sup>th</sup> May 2023, Government Medical College & District Hospital, Barmer.
10. “Pain Management” at Palliative Care Workshop organized by department of Anaesthesiology and Critical Care, Dr S N Medical College, Jodhpur, 23<sup>rd</sup> April 2023, Skill Lab, MDM hospital.

#### **Resource Faculty:**

1. Resource Faculty for Panel discussion on “End of life care: Role of Health care professionals” in NAMS-CME Programme on ‘End of Life Care: Bridging health care Professionals & Society Perspectives. February 24<sup>th</sup>, 2024, AIIMS, Jodhpur.
2. Resource faculty in ISA “Mechanical Ventilation Workshop” jointly organized by Rajasthan Society of Anaesthesiology and ISA Jodhpur city branch and hosted by the Department of Anaesthesiology, Dr S N Medical College, Jodhpur, 21<sup>st</sup> Jan 2024, Dr S N Medical College, Jodhpur.
3. Resource Faculty for “Ultrasound Guided Regional Anaesthesia” Workshop, Organized by ISA City branch, Jodhpur & Department of Anaesthesiology, Dr S N Medical College, Jodhpur, 27th November 2023 at Skill Lab, MDM Hospital.
4. Faculty invitation from AIIMS Mangalagiri (Training Site) to conduct 2nd American Heart Association-certified ACLS BLS provider course, 19<sup>th</sup> -21<sup>st</sup> October 2023, ITC AIIMS Jodhpur.
5. Moderated ISA National PG Online Class on Topic: Long case discussion on Anaemia in Pregnancy. Presenter: Dr. Dhanalakshmi R & Dr. Arin Gopal Sarkar, postgraduate residents, AIIMS, Jodhpur.\* 24<sup>th</sup> July 2023
6. Faculty for Workshop on “Acute Neuro Care (ANC 2023)” under the aegis of Indian Society of Neuroanaesthesiology and Critical Care (ISNACC) and Neurocritical Care Society of India (NCSI), 06<sup>th</sup> - 07th May 2023 at E-Classroom, AIIMS, Jodhpur.
7. As Nominated Trainer by National Health Mission (NHM), Department of Health and Family Welfare, Govt. of Rajasthan for training of staff Nurses of District Health Facilities on ‘Palliative Care’ under the National Program for Palliative Care (NPPC) conducted training sessions, 20<sup>th</sup> -21<sup>st</sup> & 25<sup>th</sup> -26<sup>th</sup> April 2023.

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

1. Comparison of preoperative genicular nerve radiofrequency ablation with conventional analgesics on post-operative outcome following total knee arthroplasty: A randomized controlled trial. Intramural

##### **As Co-Investigator**

1. Study of the Inflammatory Reaction in Standard of care vs multimodal analgesia during laparoscopic cholecystectomy. Intramural
2. Extension of palliative care services of All India Institute of Medical Sciences (AIIMS) Jodhpur to the patient's door step



**Scientific Awards/Patents**

1. 1st Place Best Poster during the Annual Conference of New Zealand Pain Society (NZPS 2024), 21st -24th March 2024, Dunedin, New Zealand.
2. Clinical Observership in Intensive Care. 14<sup>th</sup> -16<sup>th</sup> June 2023, King's College Hospital, NHS Foundation Trust, London.
3. Nominated as a Trainer by National Health Mission (NHM), Department of Health and Family Welfare, Govt. of Rajasthan for training of staff Nurses of District Health Facilities on 'Palliative Care' under the National Program for Palliative Care (NPPC)

**National/ International Conferences attended:**

1. SANCON 2024, 29<sup>th</sup> -30<sup>th</sup> March 2024, Nepal
2. NZPS 2024, 21-24<sup>th</sup> March 2024, Dunedin, New Zealand
3. ISACON 2023, 22<sup>nd</sup> -26<sup>th</sup> Nov 2023, Gurugram
4. NAC 2023 - 14th National Airway Conference, Srinagar, 7<sup>th</sup> - 10<sup>th</sup> September 2023
5. ICACON 2023, 2<sup>nd</sup> - 5<sup>th</sup> November 2023 at Sai Vishram, Electronic City, Bengaluru
6. RAJISACON 2023, 30<sup>th</sup> September- 1<sup>st</sup> October 2023, Geetanjali Medical College, Udaipur

**Name of Faculty: Swati Chhabra****Designation: Additional Professor****Books/Chapters**

1. Chhabra S, Kumar R, Rathod D. Career opportunities in Anaesthesia, critical care, and pain medicine. In: Anshul Jain, Pradeep Bhatia (editors). Essentials of Anesthesia & Critical Care. New Delhi, India: Jaypee Brothers Medical Publishers (P) Ltd; Ed. 2, (2024). (Released 24th Nov 2023 at ISACON 2023, Gurugram).

**Sessions Chaired:**

1. Moderated a Panel discussion on 'Women in Anaesthesiology: Past, Present & Future'. March 7<sup>th</sup> 2024 RSACP Webinar. (Online)
2. Chaired a session on Awake Craniotomy in RSACP CME, 20<sup>th</sup> August 2023, Indore
3. Moderated an ISA NATIONAL PG CLASS on Anaemia in Pregnancy on July 24<sup>th</sup> 2023. (Online)

**Invited Lectures**

1. Participated in Neurocritical Care Society of India (NCSI) Masterclass as a Speaker on topic 'Anaesthesia management of TBI', April 1<sup>st</sup> 2023
2. Participated in a Pro Con debate on 'Salt vs Sugar in raised ICP' during the National Conference of the Indian Society of Anaesthesiology (ISACON 2023), November 2023, Gurugram
3. Delivered a talk on 'Predicting Mortality in TBI' during the National Conference of the Indian Society of Neuroanaesthesia and Critical Care (ISNACC 2024), February 15<sup>th</sup> -18<sup>th</sup> 2024, AFMC Pune

**Resource Faculty:**

1. Participated as a Faculty in a Workshop on Mechanical Ventilation. January 21<sup>st</sup> 2024, Dr SN Medical College, Jodhpur
2. Participated as a Faculty in a Workshop on Acute Neuro Care during the National Conference of the Neurocritical Care Society of India, September 2023, Gurugram
3. Participated as a Faculty in Airway Workshop at the National Airway Conference (NAC 2023), September 2023, SKIMS Srinagar

**Research Project:**

**Ongoing:**

**Chief Investigator:**

1. Evaluation of recovery from caesarean section using Obstetric Quality of Recovery-10 (ObsQoR-10) as patient reported outcome measure: An Observational study

**Co-Investigator:**

1. Change in gastric volume with face mask ventilation using modified rapid sequence induction compared with pre and apnoeic oxygenation using Transnasal humidified rapid insufflation ventilatory exchange (THRIVE): A prospective randomized controlled trial.
2. Conox Guided Versus Standard Care Intraoperative Analgesia For Improved Postoperative Recovery In Patients Undergoing Intra-Abdominal Laparoscopic And Robotic Surgeries: A Non-Inferiority RCT

**Scientific Awards/Patents**

1. Certificate of Appreciation for noteworthy research contribution for authoring chapters in books at the first Research Day, January 13<sup>th</sup> 2024, AIIMS Jodhpur

**Examinership**

1. Chairperson; Selection Committee for Intramural Project at ICMR-NIIRCD, Jodhpur

**National/ International Conferences attended:**

1. Annual Conference of the Indian Society of Anaesthesiologists (ISACON 2023). Gurugram ISA City Branch, November 2023, Gurugram
2. Annual Conference of the Neurocritical Society of India (NCSI 2023) , Sept-Oct 2023, Gurugram.
3. Annual Conference of All India Difficult Airway Association (AIDAA), National Airway Conference NAC 2023. September 2023, SKIMS, Srinagar.
4. Annual Conference of the Indian Society of Neuroanaesthesiology and Critical Care ISNACC, in February 2024, AFMC Pune
5. ISICEM 2024. March 2024, Brussels, Belgium

**Name of Faculty: Dr. Rakesh Kumar**

**Designation: Additional Professor**

**Papers Presented:**

1. Kumar R, Visalatchi K, Mohammed S, Kamal M, Bhatia P, Sharma A. Comparison of Analgesic Efficacy of Intrathecal Morphine and Ultrasound-guided Bilateral Erector Spine Plane Block in

Patients Undergoing Open Heart Surgery with Midline Sternotomy: An Open-Label Randomized Control Trial. ANESTHEIOLOGY 2023 Conference, San Francisco, 12<sup>th</sup> -17<sup>th</sup> Oct 2023, **Moscone Convention Center**, San-Francisco , USA

#### **Sessions Chaired:**

1. Cardiovascular Physiology, 50<sup>th</sup> Conference of Association of Physiologists of India;10<sup>th</sup>-11<sup>th</sup> Dec 2014, AIIMS, Jodhpur

#### **Invited Lectures**

1. Intubation with video-stylet in 14th NATIONAL AIRWAY CONFERENCE of All India Difficult Airway Association, Organized by All India Difficult Airway Association (AIDAA) Srinagar City Branch, 8<sup>th</sup> -11<sup>th</sup> September 2023 at SKIMS, Srinagar
2. Insertion of Double Lumen tube and confirmation of its position TMC National Conference On "THE DIFFICULT AIRWAY", 8<sup>th</sup> - 10<sup>th</sup> December 2023, Tata memorial hospital, Mumbai
3. Newer Pharmacological Agents for Managing Heart Failure at Ganga Anesthesia Refresher Course 2024, Coimbatore from 18-21<sup>st</sup> January 2024 at Ganga Hospital
4. Pharmacology of Intubation 30<sup>th</sup> Annual National Congress of ISCCM. 28<sup>th</sup> February - 3rd March 2024 (Workshops on 28<sup>th</sup> & 29<sup>th</sup> February and Conference between 1<sup>st</sup> to 3<sup>rd</sup> March 2024), ITC Royal Bengal, Kolkata, West Bengal
5. Pulmonary embolism diagnosis and treatment for DNB students conducted by National Board of Examinations in Medical Sciences, 23<sup>rd</sup> March 2023.

#### **Resource Faculty:**

1. Ultrasound-guided Regional Anesthesia Workshop in Institute of Anesthesiology, Pain and Perioperative Medicine (IAPPR) (PENG Block, Sciatic nerve block), 16<sup>th</sup> -17<sup>th</sup> July 2023, Sir Ganga Ram Hospital, Delhi.
2. Ultrasound-guided Regional Anesthesia Workshop (QL and ESP Block) Ganga Anesthesia Refresher Course 2024, 18<sup>th</sup> -21<sup>st</sup> January 2024, Coimbatore
3. Surgical Airway workshop in 14th NATIONAL AIRWAY CONFERENCE of All India Difficult Airway Association, Organized by All India Difficult Airway Association (AIDAA) Srinagar City Branch, 8<sup>th</sup> -11<sup>th</sup> September 2023, SKIMS, Srinagar
4. One lung ventilation in TMC National Conference On "THE DIFFICULT AIRWAY" held from 8<sup>th</sup> - 10<sup>th</sup> December 2023, Tata memorial hospital, Mumbai
5. Airway workshop in 30<sup>th</sup> Annual National Congress of ISCCM held from 28<sup>th</sup> February - 3rd March 2024 (Workshops on 28<sup>th</sup> & 29<sup>th</sup> February and Conference between 1<sup>st</sup> to 3<sup>rd</sup> March 2024), ITC Royal Bengal, Kolkata, West Bengal
6. Ultrasound guided Caudal block at Pediatric Anesthesia Holistic Approach live Workshop and CME 2024 at UNM Hospital Surat, 15<sup>th</sup> - 18<sup>th</sup> March 2024

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

1. Continuous erector spinae block for postoperative analgesia in patient undergoing rib harvesting for facial plastics procedure; A Descriptive study

### As Co-Investigator

1. Effect of Inhaled Milrinone on right and left heart echocardiographic parameters: An observational study
2. International observational study on Airway management in operating room and non-operating room anaesthesia" (STARGATE Study)

### Examinership

1. External Examiner for the DNB practical examination in the specialty of ANAESTHESIOLOGY held at Deen Dayal Upadhyaya Hospital, Delhi, 14<sup>th</sup> Feb 2024
2. Internal Examiner for the B Sc. Operation theater technology final exam held at AIIMS Jodhpur, 4<sup>th</sup> November 2023

### Membership/Post in Journal or Society or Association

1. Honorary Secretary of All India Difficult Airway Association; Jodhpur City Branch
2. Executive Committee member \; All India Difficult Airway Association

### National/ International Conferences attended:

1. Ultrasound-guided Regional Anesthesia Workshop. 16<sup>th</sup> -17<sup>th</sup> July 2023 at Institute of Anesthesiology, Pain and Perioperative Medicine, Sir Ganga Ram Hospital, Delhi
2. 14<sup>th</sup> National Airway Conference (NAC 2023) of All India Difficult Airway Association (AIDAA), Organized by AIDAA Srinagar City Branch, held at Sher-i-Kashmir Institute of Medical Sciences, Soura, Srinagar, 07<sup>th</sup> - 10<sup>th</sup> September 2023
3. ANESTHESIOLOGY 2023 Conference at San Francisco from 12<sup>th</sup> -17<sup>th</sup> Oct 2023, ASA 2023 Meeting at San-Francisco 2023, **Moscone Convention Center**, USA
4. Difficult Airway Conference TMH, 08<sup>th</sup> - 10<sup>th</sup> December 2023, Tata Memorial Hospital, Mumbai
5. Ganga Anesthesia Refresher Course and Conference 2024, Organized by Ganga Hospital, Coimbatore, 18<sup>th</sup> -21<sup>st</sup> January 2024
6. 30<sup>th</sup> Annual National Conference of Indian Society of Critical Care Medicine (Criticare 2024), Organized by ISCCM Kolkata City Branch, hosted ISCCM National, ITC Royal Bengal, Kolkata from 28<sup>th</sup> Feb - 03<sup>rd</sup> March 2024
7. Pediatric Anesthesia Holistic Approach live Workshop and CME 2024, UNM Hospital Surat, 15<sup>th</sup> - 18<sup>th</sup> March 2024

**Name of Faculty: Priyanka Sethi**

**Designation: Additional Professor**

### Papers Presented:

1. Effect of perioperative binaural tone music on recovery profile in patients undergoing abdominal surgeries under general anaesthesia: A Randomised control trial" at Australian National Conference of Anaesthesiology (ASANSC), 4<sup>th</sup> - 8<sup>th</sup> October 2023, Melbourne, Australia.

### Sessions Chaired:

1. 31<sup>st</sup> annual national and 2<sup>nd</sup> international conference of “Research society for anaesthesiology and clinical pharmacology” RSACPCON, 21<sup>st</sup> - 23<sup>rd</sup> April 2023, Kolkata

#### **Invited Lectures**

1. Delivered a guest lecture on “Anaesthesia concerns for laparoscopic surgeries at Mahaveer cancer hospital and research centre, Jaipur, 28<sup>th</sup> March 2024, DNB anaesthesia students.
2. Delivered talk on “Anaesthesia for laparoscopic surgeries” at AIIMS pg assembly APGRAS at AIIMS, Guwahati 15<sup>th</sup> -17<sup>th</sup> March 2024.
3. Delivered lecture “webinar” on “Anesthesiology and Onco surgical outcomes” in National webinar series of Society of Oncoanaesthesia and perioperative care.
4. Delivered talk on “Anaesthesia and oncosurgical outcomes”. 31<sup>st</sup> annual national and 2<sup>nd</sup> international conference of “Research society for anaesthesiology and clinical pharmacology”, 21<sup>st</sup> - 23<sup>rd</sup> April 2023, RSACPCON, Kolkata

#### **Symposium Speaker**

1. Panelist for Collaborative research in cancer, at AIIMS Oncology Conclave, 12<sup>th</sup> February 2024, National Cancer Institute, Jhajjar (AIIMS Delhi).

#### **Resource Faculty:**

1. Moderator for panel discussion on “End of life care” in NAMS CME programme on end-of-life care bridging health care professionals and society perspectives on 24<sup>th</sup> February 2024.
2. Faculty for workshop “USG guided regional anaesthesia”. 31<sup>st</sup> annual national and 2<sup>nd</sup> international conference of “Research society, 21<sup>st</sup> April 2023, anaesthesiology and clinical pharmacology” RSACPCON, Kolkata

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

1. Comparison of effect of total intravenous anaesthesia using propofol and dexmedetomidine with inhalational agents on perioperative inflammation in oral cancer patients: A Randomized control trial. Intramural Project

##### **As Co-Investigator**

1. Comparison of enhanced recovery after surgery vs conventional anaesthesia technique on postoperative recovery in the patients undergoing endoscopic endonasal skull base surgeries: A prospective randomised study.
2. Comparison of epidural morphine vs epidural dexamethasone for postoperative analgesia following lumbar discectomy: A double blinded randomised control study.
3. Effect of dexamethasone for prevention of post spinal hypotension in parturient undergoing elective caesarean section: A double blind randomised controlled trial.
4. Comparison of effect of total intravenous anaesthesia with inhalational anaesthetic agents on neutrophilic lymphocytic ratio in gynaecological cancer patients: An open label randomized controlled trial.

5. Prediction of successful spinal needle placement in crossed leg sitting position and traditional sitting position using sonographic dimensions of acoustic target window of the spine in parturient undergoing caesarean section: A randomised controlled study.
6. Transdermal Buprenorphine Patch Vs Non-Opioid Analgesia in Postoperative Oral Sub mucous Fibrosis Patients: "A Randomized Control Trial.
7. Effect of opioid sparing anaesthesia using multimodal analgesia technique and costotransverse block vs opioid based anaesthesia on postoperative analgesia in modified radical mastectomy: A randomised control trial.
8. Role of CRP in predicting postoperative delirium in geriatric patients undergoing oncological surgeries: An observational study.
9. The effect of intrathecal morphine on postoperative NK cell activity in patients undergoing pancreaticobiliary surgeries: A randomised control trial
10. Comparison of opioid sparing anaesthesia with opioid based anaesthesia in oral and maxillofacial surgery patients: A randomized control trial.
11. Comparison of efficacy of intravenous anaesthesia with propofol and lignocaine vs inhalational anaesthesia on VEGF levels and cytotoxic and helper t cells in patients undergoing ovarian cancer surgery: An open label randomised control trial.

#### **National/ International Conferences attended:**

1. AIIMS PG assembly APGRAS at AIIMS, Guwahati, 15<sup>th</sup> -17<sup>th</sup> March 2024.
2. AIIMS Oncology Conclave, conducted by National Cancer Institute, Jhajjar (AIIMS Delhi), 12<sup>th</sup> February 2024.
3. Australian National Conference of Anaesthesiology (ASANSC) at Melbourne, Australia, 4<sup>th</sup> - 8<sup>th</sup> October 2023
4. 1<sup>st</sup> AIIMS Onco anaesthesiology update and 5<sup>th</sup> annual national conference of "Society for Onco anaesthesia and perioperative care" SOAPCCON, New Delhi. 26<sup>th</sup> August 2023.
5. 31<sup>st</sup> annual national and 2<sup>nd</sup> international conference of "Research society for anaesthesiology and clinical pharmacology" RSACPCON, Kolkata, 21<sup>st</sup> - 23<sup>rd</sup> April 2023.

**Name of Faculty: Dr Kamlesh Kumari**

**Designation: Associate Professor**

#### **Book/ Chapters**

1. Mohammed S, Bhatia P, Kumari K. Blood Salvage Techniques. In: Jain A, Bhatia P Editors. In: Essential of Anaesthesia and Critical Care, 2nd Edition, New Delhi: Jaypee Brothers. 2023. p 190-96.

#### **Papers Presented:**

1. Kumari K, **Gokhale P, Sharma A, Mohammed S, Chhabra S, Rathod D, Tanvi M, Bhatia P. Effect of Preoperative Patient Warming on Blood Loss and Transfusion Requirements During Total Hip Arthroplasty: A Randomised Control Trial. Australian Society of Anaesthetists National Scientific Congress (ASA NSC 2023)**
2. Kumari K, Vaibhav S, **Sharma A, Mohammed S**, Bhatia P, **Chhabra S**, Sethi P. Prediction of successful spinal needle placement in crossed-leg sitting position and traditional sitting position using sonographic dimensions of spine in parturient undergoing caesarean section. Koreanesthesia 2023.

**Sessions Chaired:**

1. Moderator for Free Paper presentation. 2<sup>nd</sup> Annual National Conference on Neonatal Anesthesia, July 2023 (Virtual).
2. Judge for Paper Presentation. 15<sup>th</sup> Annual National conference of Indian Association of Paediatric Anaesthesiologists, (IAPA) Feb 2024, Noida

**Invited Lectures:**

1. Invited Faculty at the XVI Annual National conference of the Association of Obstetric Anaesthesiologists for Workshop 'Maternal Emergencies and Resuscitation', September 2023, Ahmedabad.

**Resource Faculty:**

1. Workshop Faculty in Acute Neuro Care 2023 Course, 6<sup>th</sup> and 7<sup>th</sup> May, AIIMS Jodhpur.
2. Course faculty in AHA certified BLS and ACLS Provider courses, at AIIMS Jodhpur.
3. Course faculty in ATLS Provider courses, at AIIMS Jodhpur.

**Research Project:****Ongoing:****As Principal Investigator:**

1. Crossed leg sitting position for optimizing the acoustic target window for neuraxial needle placement in patients with difficult neuraxial blockade: A cross-sectional analytical study.

**As Co-Investigator**

1. An Ambispective observational study to assess demographic profile and anesthetic management of patients undergoing Awake craniotomy at AIIMS Jodhpur
2. A retrospective study of pain management strategies for hypospadias surgery in a tertiary care hospital in Western Rajasthan.
3. To study the efficacy of retrolaminar block for postoperative analgesia after percutaneous nephrolithotomy- A prospective randomized controlled trial
4. Comparison of ultrasound-guided short-axis out-of-plane versus long-axis in-plane technique of posterior tibial artery cannulation in adults- An open-label randomized trial.

**Completed:****As Co-Investigator:**

1. Assessment of correlation between preoperative parents and their child's anxiety before elective surgery: An observational study.
2. Study of prevalence of anemia and its effect on postoperative outcome in pediatric patients undergoing surgeries at a tertiary care center in Western Rajasthan – An observational study.
3. Role of gastric ultrasound in assessing effect of different quantities of clear fluid on gastric emptying and residual volume in children undergoing elective surgery: A double blinded randomized controlled study
4. Compare the success rate of short-axis out-of-plane versus long-axis in-plane approach in ultrasound-guided dorsalis pedis artery cannulation: A randomized controlled trial.

5. Anaesthesia management of Total (Transthoracic and Transabdominal) Robotic Radical Esophagectomy- Our experience.
6. Comparison of the effect of intracuff Normal saline, Dexamethasone or Ketamine for prevention of postoperative sore throat: A randomized controlled trial.

#### **Scientific Awards/Patents:**

1. Awarded Submission Grant by Korean Society of Anesthesiologists for Kore Anesthesia 2023, 9<sup>th</sup>-11<sup>th</sup> Nov, 2023.
2. Received Level 3 Certification with Honors by Pediatric Simulation Training and Research Society (Pedi STARS).
3. Successfully completed AHA certified BLS/ACLS Training Centre Faculty course, at Kasturba Medical College, Mangalore, Feb 2024

#### **Membership/Post in Journal or Society or Association**

1. Lifetime Member; Research Society of Anaesthesiology and Clinical Pharmacology
2. Lifetime Member; Society of Trauma Anaesthesia and Critical Care
3. Reviewer; Indian Journal of Anaesthesia, Journal of Anaesthesiology and clinical pharmacology, BMJ Case Report & The Indian Anaesthetists Forum.
4. Treasurer; Rajasthan state IAPA branch
5. Executive Member; Rajasthan Society of Anaesthesiologists.

#### **National/ International Conferences attended:**

1. ASA National Scientific Congress 2023, 4<sup>th</sup>-8<sup>th</sup> Oct 2023, Melbourne Australia.
2. KORE ANESTHESIA 2023. GRAND WALKERHILL, 9<sup>th</sup> – 11<sup>th</sup> November 2023 Seoul, Korea. (Virtual)
3. Annual National Conference of the Association of Obstetric Anaesthesiologists, 22<sup>nd</sup> -24<sup>th</sup> Sep 2023, Ahmedabad
4. Annual National Conference of the Indian Association of Pediatric Anesthesiologists (IAPA 24), Feb 2024, Delhi.

**Name of Faculty: Dr Darshana Rathod**

**Designation: Assistant Professor**

#### **Books/Chapters**

1. Chhabra S, Kumar R, Rathod D. Career Opportunities in Anesthesia. In: Essentials of Anesthesia & Critical Care. 2024. Jaypee Brothers Medical Publishers.

#### **Papers Presented:**

1. Study of prevalence of anaemia and its effect on postoperative outcome in paediatric patients undergoing surgeries at a tertiary care centre in Western Rajasthan – An observational study, presented in The Global Initiative for Children's Surgery Conference, 25<sup>th</sup> -26<sup>th</sup> Feb 2024, Manila, Philippines.



2. Pain management practices and patient's satisfaction, post-caesarean section at AIIMS Jodhpur- a prospective, observational study, presented at ASA National Scientific Congress 2023, 4<sup>th</sup> -8<sup>th</sup> Oct 2023 Melbourne Australia.

#### **Sessions Chaired:**

1. POCUS in paediatric patients, management of pediatric airway emergencies, chronic illness in paediatric population. World Anaesthesia Day Conference 2023, 13<sup>th</sup> – 15<sup>th</sup> October 2023. HBT Medical College & Dr R.N Cooper Hospital, Mumbai.

#### **Invited Lectures**

1. Penile block Vs Caudal block in hypospadias surgery. 5th Deccan Meeting in Paediatric Urology - Deccan uro 2024 - Case Based Discussions, 19<sup>th</sup> - 21<sup>st</sup> January 2024, at Clube Tennis de Gaspar Dias, Panjim, Goa

#### **Resource Faculty:**

1. Workshop Faculty at the Annual National Conference of the Association of Obstetric Anaesthesiologists, 22<sup>nd</sup> -24<sup>th</sup> Sep 2023, Ahmedabad.
2. Course faculty for AHA/ACC accredited BLS/ACLS provider course.
3. Judge for oral poster presentation at the Annual National Conference of the Indian Association of Pediatric Anesthesiologists (IAPA 24). Feb 2024, Delhi.

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

1. A retrospective study of pain management strategies for hypospadias surgery in a tertiary care hospital in Western Rajasthan.
2. To study the efficacy of retrolaminar block for postoperative analgesia after percutaneous nephrolithotomy- A prospective randomized controlled trial

##### **As Co-Investigator**

1. Comparison of Quality of Recovery with Opioid-based versus Opioid Free Anaesthesia in Pediatric Patients Undergoing Brain Tumor Surgeries: A Prospective Randomized Control Trial.
2. The Effects of Chronic Opium Addiction on Gastric Emptying Time : A Prospective Observational Study
3. Incidence of perioperative adverse events in overweight and obese children in India- A Prospective observational multicentric study.
4. Feasibility and outcomes of uniportal VATS in stage II empyema thoracis.
5. Comparison of the access time of ultrasound-guided internal jugular vein cannulation in supine vs prone position: A prospective randomized controlled trial
6. Comparison of ultrasound-guided short-axis out-of-plane versus long-axis in-plane technique of posterior tibial artery cannulation in adults- An open-label randomized trial.
7. Randomised Control Trial for comparing postoperative pain in patients undergoing Transabdominal Preperitoneal (TAPP) Inguinal Hernia Repair: Tranversus Abdominis Plane (TAP) Block before peritoneal Incision vs. Transversus Abdominis Plane (TAP) Block after peritoneal incision closure.

8. Crossed leg sitting position for optimizing the acoustic target window for neuraxial needle placement in patients with difficult neuraxial blockade: A cross-sectional analytical study.

#### **Completed:**

##### **As Principal Investigator**

1. Study of prevalence of anemia and its effect on postoperative outcome in pediatric patients undergoing surgeries at a tertiary care center in Western Rajasthan – An observational study.

##### **As Co-Investigator**

1. Comparison of the effect of intracuff Normal saline, Dexamethasone or Ketamine for prevention of postoperative sore throat: A randomized controlled trial.
2. Compare the success rate of short-axis out-of-plane versus long-axis in-plane approach in ultrasound-guided dorsalis pedis artery cannulation: A randomized controlled trial.
3. Anaesthesia management of Total (Transthoracic and Transabdominal) Robotic Radical Esophagectomy- Our experience.
4. Comparison of the effect of intracuff Normal saline, Dexamethasone or Ketamine for prevention of postoperative sore throat: A randomized controlled trial.
5. Comparison of aprepitant, dexamethasone, and ondansetron with dexamethasone and ondansetron for prevention of postoperative nausea vomiting in high-risk patients undergoing laparoscopic surgeries: a randomized control trial

#### **Scientific Awards/Patents**

1. Awarded the Acute Trauma Life Support Instructor certification.
2. I Received a scholarship to attend the Global Initiative for Children Surgery V meeting in Manila on February 25-26, 2024.
3. I have been awarded the outstanding research certification in the Global Initiative for Children Surgery V meeting in Manila, February 25-26, 2024.

#### **Membership/Post in Journal or Society or Association**

1. Global Initiative for Children's Surgery (GICS)
2. Research Society of Anaesthesiology and Clinical Pharmacology (RSACP)

#### **National/ International Conferences attended:**

1. Global Initiative for Children Surgery V meeting in Manila, February 25<sup>th</sup> -26<sup>th</sup> 2024.
2. Annual National Conference of the Association of Obstetric Anaesthesiologists, 22<sup>nd</sup> -24<sup>th</sup> Sep 2023 at Ahmedabad
3. 5th Deccan Meeting in Paediatric Urology - Deccan uro 2024, 19<sup>th</sup> - 21<sup>st</sup> January, 2024
4. Annual National Conference of the Indian Association of Pediatric Anesthesiologists (IAPA 24). Feb 2024, Delhi.
5. ASA National Scientific Congress 2023 Melbourne Australia, 4<sup>th</sup> -8<sup>th</sup> Oct 2023.
6. World Anaesthesia Day Conference 2023, 13<sup>th</sup> – 15<sup>th</sup> October 2023. HBT Medical College & Dr R.N Cooper Hospital, Mumbai

#### **Name of faculty: Dr Manbir Kaur**

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## Designation: Assistant Professor

### Book Chapter

1. Kaur M, Paliwal B, Sharma A. Anesthesiologist as a Perioperative Physician. In: Essentials of Anesthesia & Critical Care, Anshul Jain, Pradeep Bhatia (editor), 2<sup>nd</sup> edition, New Delhi, Jaypee Brothers Medical Publishers Ltd. 2024;197-199

### Papers Presented

1. Kaur M. Airway concerns, anesthetic management and perioperative complications of patients undergoing craniovertebral junction surgeries at a tertiary care center in Western Rajasthan, India: A Retrospective observational study. KORE ANESTHESIA 2023, 9<sup>th</sup> – 11<sup>th</sup> Nov 2023, GRAND WALKERHILL, Seoul, Korea
2. Kaur M. Anesthesia for a child with Fontan physiology posted for Laparoscopic Continuous ambulatory peritoneal dialysis insertion. KORE ANESTHESIA 2023, 9<sup>th</sup> – 11<sup>th</sup> Nov 2023, GRAND WALKERHILL, Seoul, Korea
3. Kaur M, Chhabra S, Mohammed S, Bhatia P, Garg M. Ultrasound Guided Versus Fluoroscopy Guided Identification of Lumbar Spinous Process Level in Patients Undergoing Lumbar Spine Surgery: A Pilot Study of 30 Patients. SNACC annual meeting 2023, 8<sup>th</sup> -10<sup>th</sup> Sep 2023, Virginia Alexandria, USA
4. Kaur M, Chhabra S, Gosal J, Kumari K, Singh S. Audit of Anaesthetic Management and Perioperative Complications of Patients Undergoing Awake Craniotomies at Tertiary Care Centre in Western Rajasthan. India. SNACC annual meeting 2023, 8<sup>th</sup> -10<sup>th</sup> Sep 2023, Virginia Alexandria, USA

### Invited Lectures:

1. Anesthesia for ECT, 25<sup>th</sup> Annual Conference of Indian Society of Neuroanaesthesiology and Critical Care; 16<sup>th</sup> Feb 2024, AFMC, Pune
2. Invited faculty at 25<sup>th</sup> Annual Conference of Indian Society of Neuroanaesthesiology and Critical Care (ISNACC), 16<sup>th</sup> -18<sup>th</sup> February 2024, AFMC, Pune

### Recourse Faculty

1. Workshop Faculty in “Acute Neuro Care (ANC-2023)” course, 6<sup>th</sup>-7<sup>th</sup> May 2023, AIIMS Jodhpur
2. Faculty in “ISSFN-CME 2023”, 11<sup>th</sup> -12<sup>th</sup> August 2023, AIIMS Jodhpur
3. Faculty in RSACP CME themed understanding the nitty-gritty of Scientific Publication, 3<sup>rd</sup> September 2023, AIIMS Jodhpur

### Research Projects

#### Ongoing

#### Principal Investigator

1. An Ambispective observational study to assess demographic profile and anesthetic management of patients undergoing Awake craniotomy at AIIMS Jodhpur
2. Comparison of Enhanced Recovery after Surgery Versus Conventional Anesthesia Technique on postoperative recovery in the patients undergoing Endoscopic Endonasal Skull Base Surgeries: A Prospective Randomized Study

### Co-Investigator

1. Effects of anaesthetic management on electrocorticography in patients undergoing epilepsy surgeries at tertiary care center: A Retrospective Study
2. Effect of two different flow rates with high flow nasal cannula on respiratory parameters in patients with acute hypoxemic respiratory failure: Prospective Randomized Cross-Over Study
3. Comparing the diagnostic accuracy of mid regional proadrenomedullin with procalcitonin as a biomarker of sepsis in critically ill patients: Prospective Observational Study”
4. To study the efficacy of retrolaminar block in postoperative analgesia after percutaneous nephrolithotomy: A Prospective Randomized Controlled Trial
5. To evaluate the efficacy of colloid preloading in prevention of propofol induced hypotension in geriatric hypertensive patients: A Randomized Controlled Trial
6. Comparison of efficacy of intravenous anaesthesia with propofol and lignocaine versus inhalational anaesthesia on VEGF level and cytotoxic (CD8) and helper T cells (CD4) level in patients undergoing ovarian cancer surgery: An open-label randomized control trial
7. The Effect of an integrated parental preparation program on the perioperative parental anxiety-A Randomised Control Trial
8. Role of sodium fluorescein guided resection in intradural spinal cord tumours: prospective observational study
9. Postoperative seizures in patients with supra-tentorial brain tumors: an ambispective observational single center study

### Scientific Awards

1. SNACC 2023 Joint Travel Award. On topic “*Audit of anaesthetic management and perioperative complications of patients undergoing awake craniotomies at a tertiary care centre in Western Rajasthan, India*”, SNACC Annual meeting, 8<sup>th</sup> -10<sup>th</sup> September 2023, Virginia Alexandria, USA
2. Submission grant of US \$100 for E-Poster presentation at KORE ANESTHESIA 2023, 9<sup>th</sup> - 11<sup>th</sup> November 2023, GRAND WALKERHILL, Seoul, Korea

### Examinership

1. B.Sc. (Hons.)1<sup>st</sup> year Operation Theatre technology. AIIMS Jodhpur, October/ November 2023

### Membership:

1. Member; SNACC (Society for Neuroscience in Anesthesiology and Critical Care)

### National / International conferences attended

1. Acute Neuro Care (ANC-2023). AIIMS Jodhpur, 6<sup>th</sup>-7<sup>th</sup> May 2023
2. ISSFN-CME 2023. AIIMS Jodhpur, 11<sup>th</sup> -12<sup>th</sup> August 2023
3. RSACP CME themed understanding the nitty-gritty of Scientific Publication. AIIMS Jodhpur, 3<sup>rd</sup> September 2023
4. SNACC Annual meeting. Virginia Alexandria, USA, 8<sup>th</sup> -10<sup>th</sup> September 2023
5. KORE ANESTHESIA 2023. GRAND WALKERHILL, Seoul, Korea, 9<sup>th</sup> – 11<sup>th</sup> November 2023
6. 25th Annual Conference of Indian Society of Neuroanaesthesiology and Critical Care (ISNACC). AFMC, Pune, 16<sup>th</sup> February 2024



## Department Of Anatomy

S. No.	Name	Designation
1.	Dr. Surajit Ghatak	Professor and Head
2.	Dr. Shilpi Gupta Dixit	Professor
3.	Dr. Renu Gupta	Additional Professor
4.	Dr. Dushyant Agrawal	Additional Professor
5.	Dr. Ashish Kumar Nayyar	Additional Professor
6.	Dr. Sonali Adole	Additional Professor
7.	Dr. Pushpa Potaliya	Associate Professor
8.	Dr. Nikha Bhardwaj	Associate Professor
9.	Dr. Hare Krishna	Associate Professor

### About the Department

The Department of Anatomy was established in 2012 and has since maintained a tradition of excellence in undergraduate and postgraduate teaching and research. Our faculty members' diverse expertise and our well-structured curriculum enable students to build a strong foundation in the subject. The department employs various teaching-learning methods, including group activities, seminars, internet-based learning tools, virtual dissection tables, small group instruction, and regular assessments. Postgraduate activities feature seminars, journal clubs, and microteaching sessions. Our research activities, supported by essential lab facilities, keep pace with recent advances to offer the best possible learning experience. The department's Surgical Cadaver Skill Lab provides comprehensive motor skills development, particularly in surgical skills training across all specialties. Our state-of-the-art museum showcases a wide range of meticulously dissected specimens, expertly crafted embryology models, and student-made neuroanatomy models. An innovative bone retrieval technique has led to the creation of an extensive in-house bone collection. The department is actively involved in community awareness and programs promoting body donation. From April 2023 to March 2024, we received 18 voluntarily donated bodies, with 37 individuals registered for future donations, and embalmed 11 bodies for transportation purposes. Faculty and residents are pursuing their research interests in fields including Anatomical Variations and current trends, Surgical and Clinical Anatomy, Cytogenetics, Immunofluorescence and Immunohistochemistry, Anthropological Surveys, Plastination, Various techniques of embalming, Medical Education, Aluminum toxicity on Rat and Polycystic ovarian syndrome. The department is determined to develop the facilities as Prenatal, Neonatal & Paediatric Anatomy museum, Ultrasonography, Tissue culture lab, Molecular diagnostic lab and Transmission electron microscope lab. The department has state-of-the-art dissection hall features cold storage for 12 cadavers and is fully air-conditioned. It includes a virtual dissection display regularly used in teaching. The facility has five storage tanks accommodating 50 cadavers and an electric band saw for sectioning. We use Phenoxxyethanol for cadaveric preservation, which is non-toxic, non-carcinogenic, and non-irritant compared to formaldehyde. The histology lab houses over 4,000 H & E and 25 specially stained histology slides prepared in-house. It includes a demonstration microscope with a camera for image capture, projected on a 50-inch LCD TV. The lab is equipped with an automated paraffin embedding unit, a freezing microtome, an inverted microscope, and a high-end binocular microscope for research purposes. The museum boasts 103

preserved and potted gross anatomy specimens and 53 bone sets in the Bone Bank. It features a gallery for histology, digital x-ray, and cross-sectional anatomy, as well as 73 developmental anatomy models. The department has two demonstration rooms with audio-visual facilities. One room is equipped with a digital visualizer to enhance teaching and learning. The seminar room doubles as a departmental library, offering a comprehensive collection of books for study and reference. The research lab provides central facilities for cytogenetics work, including diagnostic capabilities for bladder carcinoma and BCR/ABL-1 translocation (9:22) in CML using the FISH technique. It also offers karyotyping and FISH services. Located near the mortuary, the burial ground is used for bone retrieval through burial followed by exhumation. Adjacent to the mortuary, Surgical Cadaver Skill Lab is dedicated to developing surgical skills across all specialties.

### Compiled list of Publications of the department:

#### Papers

#### PubMed Indexed:

1. Jangra A, Das NK, Sharma V, Timmaraju S, Khera P, Tiwari S, Soni K, Choudhury B, Ghatak S, Dixit SG, Nayyar AK, Goyal A. Comparison of depth of electrode insertion between cochleostomy and round window approach: a cadaveric study *Eur Arch Otorhinolaryngol*. 2024 Jan 31.
2. Warriar V, Shedge R, Garg PK, Dixit SG, Krishan K, Kanchan T. Applicability of the six-phase method for auricular age estimation in an Indian population: A CT-based study. *Medicine, Science and the Law*. 2023;0(0).
3. S Sharma, RS Sharma, S Adole, SG Dixit, S Ghatak. Anomalous retrogressive palmaris longus. *Annals of African Medicine* 22 (4), 557-559
4. Warriar V, Shedge R, Garg PK, Dixit SG, Krishan K, Kanchan T. Machine learning and regression analysis for age estimation from the iliac crest based on computed tomographic explorations in an Indian population. *Medicine, Science and the Law*. 2023;0(0). doi:10.1177/00258024231198917
5. Warriar V, Shedge R, Garg PK, Dixit SG, Krishan K, Kanchan T. An evaluation of the Gilbert-McKern pubic symphyseal age estimation method using Bayesian statistics and principal component analysis: A computed tomographic exploration in an Indian population. *Anthropologischer Anzeiger*. 2023;80(3).
6. Warriar V, Shedge R, Garg PK, Dixit SG, Krishan K, Kanchan T. Applicability of the Suchey–Brooks method for age estimation in an Indian population: A computed tomography-based exploration using Bayesian analysis and machine learning. *Medicine, Science and the Law*. 2023;00258024231188799.
7. Warriar V, Shedge R, Garg PK, Dixit SG, Krishan K, Kanchan T. Age estimation from iliac auricular surface using Bayesian inference and principal component analysis: a CT-based study in an Indian population. *Forensic Science, Medicine and Pathology*. 2023:1-7.
8. Warriar V, Shedge R, Garg PK, Dixit SG, Krishan K, Kanchan T. An evaluation of the three-component pubic symphyseal human age estimation method: a CT-based exploration in an Indian population. *The Science of Nature*. 2023;110(3):21.
9. Nayyar AK, R Gupta. Morphometry of Posterior Cruciate Ligament in Knee joint - A Cadaveric Study. *Clin Ter*. 2023;174(6):525-530.
10. P. Singh, R. Gupta, A.K. Nayyar, S. Ghatak, J.S. Gosal, R. Varghese. Morphometry of depth of interhemispheric fissure on Indian cadaveric brain specimens. *Clin Ter* 2023; 174 (3):281-286.
11. Bhuskute GS, Gosal JS, Alsavaf MB, Abouammo MD, Manjila S, Kandregula S, Nayyar AK, Jha DK, Carrau RL, Prevedello DM. Morphometric comparison of endoscopic endonasal transpterygoid and prearcuncular contralateral medial transorbital approaches to sphenoid sinus lateral recess. *Operative Neurosurgery*. 2024;27(1):96-105.

12. Kolakkanni C, Gonnade NM, Gaur R, Nayyar AK, Ghuleliya R, Tk A. Can ultrasound-guided radiofrequency ablation of genicular nerves of the knee, be performed without locating corresponding arterial pulsations—a cadaveric study. *BMC Musculoskeletal Disorders*. 2023 ;24(1):654.
13. Potaliya P, Nayak P, Goyal M. In-vitro wound healing assays: a comprehensive review. *Mymensingh Med J* 2024; 33(2):613-625.
14. Bhardwaj N as GBD collaborator. Global, regional, and national burden of osteoarthritis, 1990–2020 and projections to 2050: a systematic analysis for the Global Burden of Disease Study 2021. *The Lancet Rheumatology*. September 2023, 5 9 e508-e52 doi: 10.1016/S2665-9913(23)00163-7.
15. Bhardwaj N as GBD collaborator. Global burden of chronic respiratory diseases and risk factors, 1990–2019: an update from the Global Burden of Disease Study 2019. *EClinical Medicine* 2023 May; 59:101936. doi:10.1016/j.eclinm.2023.101936.
16. Bhardwaj N as GBD collaborator. Global Burden of Cardiovascular Diseases and Risks, 1990-2022. *J Am Coll Cardiol* 2023 Dec 19;82(25):2350-2473. doi: 10.1016/j.jacc.2023.11.007 PMID: 38092509
17. Bhardwaj N as GBD collaborator. GBD 2021 Anaemia Collaborators. Prevalence, years lived with disability, and trends in anaemia burden by severity and cause, 1990-2021: findings from the Global Burden of Disease Study 2021 [published correction appears in *Lancet Haematol*. 2023 Oct;10(10):e796] [published correction appears in *Lancet Haematol*. 2024 Jan;11(1):e10]. *Lancet Haematol*. 2023;10(9):e713-e734.
18. Bhardwaj N as GBD collaborator. Temporal patterns of cancer burden in Asia, 1990–2019: a systematic examination for the Global Burden of Disease 2019 study. *The Lancet Regional Health-Southeast Asia*, January 2024.
19. Bhardwaj N as GBD collaborator. GBD 2021 Nervous System Disorders Collaborators. Global, regional, and national burden of disorders affecting the nervous system, 1990-2021: a systematic analysis for the Global Burden of Disease Study 2021 [published correction appears in *Lancet Neurol*. 2024 May;23(5):e9]. *Lancet Neurol*. 2024;23(4):344-381.
20. Bhardwaj N, Krishna H as GBD collaborator. Global Burden of Cardiovascular Diseases and Risks, 1990-2022. *J Am Coll Cardiol* 2023 Dec 19;82(25):2350-2473.
21. Bhardwaj N as GBD collaborator. GBD 2021 Tuberculosis Collaborators. Global, regional, and national age-specific progress towards the 2020 milestones of the WHO End TB Strategy: a systematic analysis for the Global Burden of Disease Study 2021. *Lancet Infect Dis*. 2024 Mar 19:S1473- 3099(24)00007-0. Epub ahead of print.
22. Kumar A, Raza K, Krishna H, Narayan RK, Jha RK, Kumari C, Asghar A, Kumar T, Agrawal P. Sharing of proximal fibers by the anterolateral and lateral collateral ligaments in the human knee: a cadaveric study. *Sci Rep*. 2023 Jul 29;13 (1):12317.
23. Krishna H, Tandon R, Jacob TG. Degenerated lumbricals in the feet of adult human cadavers: case series. *Anat Cell Biol*. 2023 Jun 30; 56:288-292.
24. Yasmin N, Baxla M, Singh PK, Tandon R, Krishna H. A Study of the Anatomy of the Eustachian Tube for Its Surgical Approach in Otorhinolaryngology. *Cureus*. 2023;15: e38411.
25. Sharma S, Krishna H, Dixit SG, Nayyar AK, Khera P, Ghatak S. Systematic review of morphometric analysis of anterior cerebral artery emphasizing on its clinical implications. *Cureus*. 2023 ;15(4): e37744.
26. Bhardwaj N, Krishna H, Ghatak S, Singh K. Blueprinting of assessment for the lower limb in undergraduate anatomy curriculum. *Cureus*. 2023 Nov 24;15(11): e49357.
27. Bhardwaj N as GBD 2021 Demographics Collaborators. Global age-sex-specific mortality, life expectancy, and population estimates in 204 countries and territories and 811 subnational locations, 1950-2021, and the impact of the COVID-19 pandemic: a comprehensive demographic analysis for



- the Global Burden of Disease Study 2021. Lancet. 2024: S0140-6736(24)00476-8. doi: 10.1016/S0140-6736(24)00476-8. Epub ahead of print. PMID: 38484753.
28. Shilpi Dixit as GBD 2021 Collaborators. The global, regional, and National Burden of adult lip, oral, and pharyngeal cancer in 204 countries and territories: A systematic analysis for the global burden of disease. JAMA oncology 9 (10), 1401-1416.
  29. Singh AP, Dixit PK, Kala PC, Agrawal D, Katrolia D, Karmakar S, Humnekar A, Singla P. Dorsal carpal Artery Perforator Flaps: An Anatomical and Clinical Study: accepted for publication in Annals of Plastic Surgery

#### **Non-PubMed Indexed:**

1. Gupta R, Ghatak S, Nayyar AK. The anatomical relationship of the superficial branches of radial nerve: a cadaveric study. Int J Res Med Sci 2024; 12:2034-7.
2. Jha DK, Jha A, Bhaskar S, Nayyar AK, Dixit SG, Ghatak S. A Simple Workstation for Micro-suturing and Vascular Anastomosis for Training in Neurosurgery. J Cerebrovasc Sci 2023;11(1):23-6.
3. Sambhav K, Singh P, Gupta R, Nayyar AK, Ghatak S. Cerebral hemiatrophy associated with Chronic subdural hematoma– rare Cadaveric observations. International Journal of Medical Reviews and Case Reports (2023) 7(7):58-60.

#### **Workshop organized:**

1. Organized in collaboration with Otorhinolaryngology department 4th Live Surgical and Hands-On Cadaveric Dissection Course on “Head & Neck Surgery”, 31st August - 1st September 2023, Cadaveric skill lab, AIIMS Jodhpur
2. Organized in collaboration with Otorhinolaryngology department Hands-On Cadaveric Dissection Course on “Rhinoplasty & Facial Plastics”, 2nd September - 3rd September 2023, Cadaveric skill lab, AIIMS Jodhpur
3. Organized in collaboration with Anaesthesia department Fluro-guided pain interventions and radiofrequency ablation workshop, 15 September 2023, Cadaveric skill lab, AIIMS Jodhpur.
4. Organized in collaboration with Urology, CTVS and Gastrosurgery department Cadaveric organ retrieval workshop: step wise approach to retrieve Liver and Kidney for Transplantation, 15th March 2024, Cadaveric skill lab, AIIMS Jodhpur
5. Organized in collaboration with Orthopaedic department Hands-on workshop on Mosaicplasty and Meniscal repair under aegis of Indian Cartilage Society ICS Regional meeting, 23rd march 2024, Cadaveric skill lab, AIIMS Jodhpur
6. CME “Shoulder hands-on ultrasound boot camp” Organized in collaboration with Department of Radiology AIIMS Jodhpur and the Musculoskeletal Ultrasound Society of India, 9<sup>th</sup> April 2023.
7. Organized World anatomy week with theme “Teaching diversity in dissection laboratory” by Department of Anatomy, AIIMS Jodhpur, 15<sup>th</sup> -18<sup>th</sup> October 2023
8. Organized “Manav Seva Samman Samaroh”, Department of Anatomy, AIIMS Jodhpur, 15<sup>th</sup> October 2023



World anatomy week with theme Teaching diversity in dissection laboratory  
15th to 18th October, 2023



Felicitations Program for Voluntary Body Donors 15<sup>th</sup> October, 2023

**Name of Faculty:** Dr. Surajit Ghatak

**Designation:** Professor and Head

**Paper Presented:**

1. Macroscopic and Microscopic study of Nasal Cartilage: A Cadaveric Study in American Association of Anatomists. "Anatomy Connected 2024", 22<sup>nd</sup> - 25<sup>th</sup> March 2024, Toronto.

**Examinership**



1. Practical Examination as External Examiner for 1st MBBS Examination (Anatomy) at AFMC, Pune, 27<sup>th</sup> - 29<sup>th</sup> November, 2023.
2. Subject Expert for conducting interviews for faculty promotion under the Assessment Promotion scheme (APS), AIIMS, New Delhi, 30<sup>th</sup> October 2023 (Online Mode).
3. Expert for Standing Selection Committee meet, Faculty recruitment of Department of AIIMS, Mangalagiri, 26<sup>th</sup> October 2023 (Online Mode).
4. Expert for Standing Selection Committee meet, Faculty recruitment of Department of AIIMS, Mangalagiri, 23<sup>rd</sup> August, 2023 (Online Mode).
5. M.S. Anatomy practical examination as external examiner, SN Medical College, Jodhpur, 21<sup>st</sup> - 22<sup>nd</sup> July, 2023

**Membership/Post in Journal or Society or Association:**

1. Fellow of Royal Society of Biology; United Kingdom
2. Associate Editor, African Journal of Biology and Medical Research.
3. American Association for Anatomy
4. Fellow of International Medical Science Academy

**National/ International Conferences attended:**

1. AAA "Anatomy Connected 2024" at Toronto from 22<sup>nd</sup> to 25<sup>th</sup> March 2024.
2. Resource Person in CME of Rachana Sharir, invited to deliver a talk on Resource Sharir Subject on 14th December 2024 at Dr. Sarvepalli Radhakrishnan Rajasthan Ayurved University

**Name of Faculty: Dr. Shilpi Gupta Dixit**

**Designation: Professor**

**Book Chapter:**

1. In: Principles of Anatomy and Physiology, 16th Edition by Gerard J. Tortora, Bryan H. Derrickson. Wiley, 2024, New Delhi, Dixit SG, Chapters
  - a) 02- chemical level of organization
  - b) 09 Joints
  - c) 19, The Cardiovascular system: Blood
  - d) 22 The lymphoid (Lymphatic) System and Immunity
  - e) 27 Fluid, Electrolyte and Acid based Homeostasis

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. Mutational analysis of periaqueductal cancer and its correlation with clinico-pathological parameters. Intra-Mural Grant; AIIMS, Jodhpur

**As Co-Investigator**

1. Clinical Validation and Development of Surgical Instrument for Intra-Operative Detection of Nerves to Prevent Iatrogenic Nerve Injuries. Extramural Grant by ICMR

2. iHub Drishti ARVR Medical Project Area 1 - Mixed Reality Simulator for teaching Anatomy in a comprehensive fashion
3. Deep-Tech Biodesign Centre: A Multi-disciplinary centre to train, nurture and transform clinicians and engineers into the Deep-Tech innovators in the field of Medical/Health Technology in collaboration with IIT Jodhpur. Extramural Grant by DBT
4. Satellite Centre for Tribal Health and Research (STHR) Sirohi, Rajasthan. Grant from Ministry of Tribal Affairs-MoTA
5. Micro-RNA Profiling in Plasma and its correlation with tumor tissue and clinic-pathological parameters in periampullary carcinoma. Intra-Mural Grant; AIIMS, Jodhpur
6. Establishment of National Inherited Disorder Administration (NIDAN) Kendra at AIIMS Jodhpur Rajasthan. Extramural Grant by DBT
7. Stimulating Medical Students interest in Medical Genetics: Randomized Controlled trial of an Innovative Educational Intervention. Extramural Grant by ICMR

### **Examinership**

1. Post Graduate Thesis Evaluator --AIIMS Rishikesh
2. INI CET Entrance Examination, AIIMS Delhi
3. Internal Examiner (MBBS, MD), AIIMS Jodhpur

### **Membership/Post in Journal or Society or Association**

1. Full Member, Anatomical Society (Great Britain and Ireland)
2. Member, American Association of Anatomists
3. IPR Activity Coordinator, Institute Innovation Council (Ministry of HRD)

### **National/ International Conferences attended**

1. General Chair, Indian Conference on MedTech Innovations, 22<sup>nd</sup> -24<sup>th</sup> Feb 2024, AIIMS Jodhpur & IIT Jodhpur
2. Invited Faculty (Title- Joint programs and collaborative approach, Section 5: Immersing into the Digital Health Startup Ecosystem), 3rd Indian Cancer Congress, November 2<sup>nd</sup> -5<sup>th</sup> 2023, Mumbai.
3. Organized and participated in 4<sup>th</sup> Live Surgical and Hands-On Cadaveric Dissection Course on "Head & Neck Surgery": 31<sup>st</sup> August to 31<sup>st</sup> September 2023, at Cadaveric skill lab, AIIMS Jodhpur
4. Organized and participated 4th Live Surgical and Hands-On Cadaveric Dissection Course on "Rhinoplasty & Facial Plastics": 2<sup>nd</sup> August to 3<sup>rd</sup> September 2023, at Cadaveric skill lab, AIIMS Jodhpur
5. Organized and participated Fluro guided pain interventions and radiofrequency ablation workshop held on 15<sup>th</sup> September 2023 at Cadaveric skill lab, AIIMS Jodhpur.
6. Organized and participated Cadaveric organ retrieval workshop: step wise approach to retrieve Liver and Kidney for Transplantation held on 15<sup>th</sup> March 2024 at Cadaveric skill lab, AIIMS Jodhpur
7. Organized and participated Hands-on workshop on Mosaicplasty and Meniscal repair under aegis of Indian Cartilage Society ICS Regional meeting held on 23<sup>rd</sup> March 2024 at Cadaveric skill lab, AIIMS Jodhpur

**Name of Faculty: Dr. Renu Gupta**

**Designation: Additional Professor**

**Research Project:**

**Ongoing Non-funded:**

**As Principal Investigator**

1. Association of kinanthropometric measurements with predictors of health and happiness in the adults

**Examinership:**

1. Examiner for Supplementary MBBS Batch 2022- 2023 at SMS Medical College, Jaipur on 13<sup>th</sup> February 2024.
2. Examiner for Supplementary MBBS Batch 2022- 2023 at S N Medical College, Jodhpur on 7<sup>th</sup> February 2024.
3. Examiner for M.Sc. (Med)- Anatomy at S N Medical College, Jodhpur on 25<sup>th</sup> July 2023.
4. Examiner for Supplementary MBBS Batch 2021-22 at Government Medical College Pali on 20<sup>th</sup> April 2023.

**National/ International Conferences attended:**

1. CME on **Anatomical Aspects of Organ Transplant** and workshop on Research Methodology on 4<sup>th</sup> April 2024, Pune.
2. 12<sup>th</sup> International Conference of the Society of Clinical Anatomists on 5<sup>th</sup> -6<sup>th</sup> April 2024 at Pune.
3. 40<sup>th</sup> Annual Conference of International Medical Science Academy (IMSACON 2023) on 2-3<sup>rd</sup> December 2023 at Jaipur.
4. Workshop on "Disability Assessment and documentation" in IAPMR National Midterm CME on 14<sup>th</sup> - 17<sup>th</sup> September 2023.

**Name of Faculty: Dr. Dushyant Agrawal**

**Designation: Additional Professor**

**National/International Conferences attended**

1. 10th Asia Pacific International Congress of Anatomists (APICA)-20<sup>th</sup> Australian and New Zealand Association of Clinical Anatomists (ANZACA), conference at Dunedin, New Zealand, from 30<sup>th</sup> November, 2023 to 3<sup>rd</sup> December, 2023.

**Research paper presented at international conference**

1. "Developing a reference chart for fetal biometry in Indian population to predict growth and development of fetus" in 10th Asia Pacific International Congress of Anatomists (APICA)-20<sup>th</sup> Australian and New Zealand Association of Clinical Anatomists (ANZACA), conference at Dunedin, New Zealand, from 30<sup>th</sup> November, 2023 to 3<sup>rd</sup> December, 2023.

**As a Resource Person**

1. CME for “Rachana Sharir” at Dr. Sarvepalli Radhakrishnan Rajasthan Ayurveda University, Jodhpur, 14<sup>th</sup> December, 2023.

**Workshop/event conducted as organizer:**

1. World Anatomy Week with theme Teaching diversity in the dissection laboratory, Department of Anatomy, AIIMS Jodhpur, 15<sup>th</sup> -18<sup>th</sup> October 2023.
2. Manav Seva Samman Samaroh, Body donor felicitation program organized by Department of Anatomy, AIIMS Jodhpur, 15<sup>th</sup> October 2023.
3. Teaching diversity in the dissection laboratory” organized by Department of Anatomy, AIIMS Jodhpur as a part of World Anatomy Week, 15<sup>th</sup> -19<sup>th</sup> October 2023.
4. Course coordinator at 4<sup>th</sup> Live Surgical and Hands-On Cadaveric Dissection Course on Head & Neck Surgery, Rhinoplasty & Facial Plastics, Dept of ENT and Anatomy, AIIMS Jodhpur, 31<sup>st</sup> August- 3<sup>rd</sup> September 2023.

**Research Project:**

**Ongoing**

**As a co-supervisor**

1. Prevalence of numerical chromosomal aberrations in acute lymphoblastic leukemia in western Rajasthan population- Pilot Study
2. Vascular basis of expandable forearm muscles for proximal and distal based muscle flaps

**Scientific Awards/Patents**

1. Manual Cardiopulmonary Resuscitation Machine (Design No. 361461-001, Certificate No 151478, dated- 04<sup>th</sup> January 2024)

**Examinership**

1. MD Anatomy, S.N Medical College, Agra, 4<sup>th</sup> August 2023
2. MBBS, Government Medical College, Pali, 17<sup>th</sup> February 2024
3. MBBS, S.N Medical College, Jodhpur, 21<sup>st</sup> April 2023

**Membership/Post in Journal or Society or Association**

1. Executive Committee Member; UP Chapter of Anatomical Society of India
2. Member of IFAA (International Federation of Association of Anatomists) college of representatives

**Name of Faculty: Dr. Ashish Kumar Nayyar**

**Designation: Additional Professor**

**Poster presentation**

1. Sharma S, Dixit SG, Nayyar AK, Ghatak S. “Atypical Extensor Indicis Proprius” at conference of Society of Clinical Anatomists 2023, Ludhiana.

**Resource faculty:**

1. Resource faculty for the CME “Shoulder hands on ultrasound boot camp” Organized by the department of Radiology AIIMS Jodhpur and the musculoskeletal ultrasound society of India, 9<sup>th</sup> April 2023, AIIMS Jodhpur

### **Research Project**

#### **Ongoing**

#### **As Co-investigator**

1. Development of interprofessional sport injury prevention module as a learning tool for teaching Musculoskeletal Anatomy. Non-funded

#### **Completed:**

1. Relation of Radial Nerve to superficial bony landmarks – A cadaveric study. Non-funded

### **Examinership**

1. Internal Examiner, MBBS 1 st Professional final examination, AIIMS Jodhpur, October 2023
2. External examiner in subject of Anatomy, MBBS 1 st Professional final Practical examination , AIIMS Deogarh, 8<sup>th</sup> - 10<sup>th</sup> November 2023
3. Internal Examiner, MD Anatomy examination, AIIMS Jodhpur, December 2023

### **Membership/Post in Journal or Society or Association:**

1. Member; Royal Society of Biology
2. Member; International Society for Plastination
3. Member; Anatomical Society UK
4. Member; AIIMS ASSOCIATION OF ANATOMISTS(AAA)
5. FIMSA Fellowship; International Medical Science Academy 10<sup>th</sup> January 2023

### **National/ International Conferences attended:**

1. Resource faculty for the CME “Shoulder hands on ultrasound boot camp” Organized by the department of Radiology AIIMS Jodhpur and the musculoskeletal ultrasound society of India held on 9<sup>th</sup> April 2023. Lecture topic: “Anatomy of the shoulder joint”
2. Certificate of completion “Yoga break at Workplace” provided by Morarji Desai National Institute of Yoga (MDNIY) on 29<sup>th</sup> September 2023, Department of Personnel Training, Karmayogi Bharat
3. Certificate of completion “Introduction of Emerging Technology” provided by Capacity Building Commission on 2<sup>nd</sup> October 2023, Department of Personnel Training, Karmayogi Bharat
4. Certificate of completion “Orientation Module on Mission LiFE” provided by Ministry of Environment, Forest and Climate Change on 2<sup>nd</sup> October 2023, Department of Personnel Training, Karmayogi Bharat
5. Certificate of completion “Stay Safe in Cyber Space” provided by Indian Cybercrime Coordination Centre- 14C on 2<sup>nd</sup> October 2023, Department of Personnel Training, Karmayogi Bharat
6. Certificate of completion “Code of Conduct for Government Employees” provided by Institute of Secretariat Training and Management on 9<sup>th</sup> October 2023, Department of Personnel Training, Karmayogi Bharat



7. Certificate of completion "Prevention of sexual Harassment of Women at Workplace" provided by Institute of Secretariat Training and Management on 11<sup>th</sup> October 2023, Department of Personnel Training, Karmayogi Bharat
8. Participated in the 40<sup>th</sup> Annual Conference of International Medical Science Academy (IMSACON 23 held on 2<sup>nd</sup> and 3<sup>rd</sup> December 2023 at Mahatma Gandhi University of Medical Sciences and Technology (MGUMST), Jaipur
9. Participated in the 4<sup>th</sup> Live Surgical and Hands-On Cadaveric Dissection Course on "Head & Neck Surgery": 31<sup>st</sup> August to 31<sup>st</sup> September, 2023, at Cadaveric skill lab, AIIMS Jodhpur
10. Participated in the 4<sup>th</sup> Live Surgical and Hands-On Cadaveric Dissection Course on "Rhinoplasty & Facial Plastics": 2<sup>nd</sup> August to 3<sup>rd</sup> September, 2023, at Cadaveric skill lab, AIIMS Jodhpur
11. Participated in the Fluoro guided pain interventions and radiofrequency ablation workshop held on 15<sup>th</sup> September 2023 at Cadaveric skill lab, AIIMS Jodhpur.
12. Participated in the Cadaveric organ retrieval workshop: step wise approach to retrieve Liver and Kidney for Transplantation held on 15<sup>th</sup> March 2024 at Cadaveric skill lab, AIIMS Jodhpur
13. Participated in the Hands on workshop on Mosaicplasty and Meniscal repair under aegis of Indian Cartilage Society ICS Regional meeting held on 23<sup>rd</sup> March 2024 at Cadaveric skill lab, AIIMS Jodhpur

**Name of Faculty: Dr. Sonali Adole**

**Designation: Associate Professor**

#### **Books/Chapters**

1. "Yoga Essentials for Medical & Nursing Students", 1<sup>st</sup> edition published by All India Institute of Medical Sciences, Jodhpur, 2023

#### **Invited lectures**

1. "Benefits of yoga: The scientific evidence, Introduction to Yoga Module Program organized by the Yoga and meditation committee, AIIMS Jodhpur, 07<sup>th</sup> October 2023.
2. Lecture "Anatomy of Yoga Aasnas", MBBS & Nursing student under integration of yoga in medical curriculum at AIIMS Jodhpur, 23<sup>rd</sup> December 2023

#### **Resource Faculty**

1. Planning, designing & implementation of the Yoga module for MBBS & Nursing students under the Yoga curriculum.
2. Significance of Spiritual Wisdom in Modern Healthcare Landscape by Shri Shri Ravishankar organised by Yoga Meditation Club, AIIMS Jodhpur 23<sup>rd</sup> January 2024
3. "Positive Vibes Positive Life" a guest lecture organised by Yoga & Meditation Club, AIIMS Jodhpur, 16<sup>th</sup> February 2024
4. Undergraduate competition "Teaching diversity in the dissection laboratory" organized by Department of Anatomy, AIIMS Jodhpur as a part of World Anatomy Week 15<sup>th</sup> -19<sup>th</sup> October 2023
5. Manav Seva Samman Samaroh, Body Donor Felicitation Programme organized by Department of Anatomy, AIIMS Jodhpur 15<sup>th</sup> -18<sup>th</sup> October 2023

6. Course co-ordination in 4th Live Surgical and Hands-On Cadaveric Dissection Course on Head & Neck Surgery, Rhinoplasty & Facial Plastics, Dept of ENT and Anatomy, AIIMS Jodhpur 31<sup>st</sup> August – 3<sup>rd</sup> September 2023
7. Course Co-Ordinator Allied Health Science: Subject Anatomy developed curriculum, course content, instructional methodology, and continuous quality assessment of program, AIIMS Jodhpur
8. Departmental Co-Ordinator for Integrated teaching for undergraduate students of all semester

### **Research Projects:**

#### **Ongoing**

As principal investigator

1. Anatomical variation in level of bifurcation of sciatic nerve and its clinical implications

#### **As Co-investigator**

1. Integration of yoga in medical curriculum
2. Lateral extension of acromion: A morphological study of cadaveric scapulae

### **Examinership:**

#### **External Examiner:**

1. MBBS (Supplementary) exam, Dr S N Medical College & Hospital, Jodhpur, 11<sup>th</sup> Feb 2024
2. MBBS(Main) exam Jan 2023, SMS Medical College & Hospital, Jodhpur 07<sup>th</sup> – 10<sup>th</sup> Feb 2024
3. MBBS(Main) exam Jan 2023, BPS GMC for Women Medical College, Khanpur Kalan, Haryana 01<sup>st</sup> Dec -3<sup>rd</sup> Dec 2023

### **Membership/Post in Journal or Society or Association**

1. Life member; Anatomical Society of India.
2. Member; Society of Clinical Anatomist
3. Member; American Association for Anatomy
4. Reviewer; International Journal of Advanced Medical and Health Research, a publication of JIPMER, Published by Wolter Kluwer.
5. Reviewer; All India Journal of Medical Sciences, a Multidisciplinary Quarterly Journal, publication of All India Institute of Medical Sciences, Nagpur.

### **Workshop /conference:**

1. Workshop on Basic Molecular Techniques Organized by Department of Biochemistry, AIIMS Jodhpur, 14<sup>th</sup> – 18<sup>th</sup> March, 2024.
2. Hands-On-Workshop- Use of Ovid for Systematic Reviews organised by AIIMS Jodhpur 21<sup>st</sup> March 2024.
3. Faculty Development Program, "Improving PowerPoint Presentations" organised by Department of Medical Education Technologies (DMET), AIIMS Jodhpur, 23<sup>rd</sup> September 2023
4. Workshop Disability Assessment & Documentation, IAPMR National Midterm CME 2023 organised by Department of Physical medicine and Rehabilitation, AIIMS, Jodhpur, 14<sup>th</sup> -17<sup>th</sup> September 2023
5. Training session on Biomedical Waste Management & Infection Control, organized by faculty, Department of microbiology AIIMS Jodhpur, 19<sup>th</sup> December 2023

6. Prevention of Sexual Harassment of Women at Workplace, Institute of Secretariat Training and Management (Online)
7. Stay safe in cyber space, Indian Cybercrime coordination center (Online)
8. Introduction to Emerging Technologies, Capacity Building commission (Online)
9. Code of Conduct for Government Employees, Institute of Secretariat Training and Management (Online)
10. Yoga Break at Workplace, Morarji Desai National Institute of Yoga (MDNIY) (Online)
11. Orientation Module on Mission life, Ministry of Environment, Forest and Climate Change
12. Getting Students back to Classroom: Challenges and Strategies a AHPE webinar organised by Medical Education Unit India, 4<sup>th</sup> January 2023 (Online)
13. Participated in Nationwide Quiz on Competency Based Medical Education exclusively for medical teachers, online mode organised by Medical Education Unit, India 21<sup>st</sup> April 2023 (Online)
14. NexTGen-23 International Hybrid CME on Genetics in Pediatric & Oncology organised by Department of Anatomy, AIIMS Madurai, 17<sup>th</sup> June 2023 (Online)
15. Data Entry and Ethical Publishing Behaviour in the Anatomical Sciences a webinar organised by Federation International Committee on Scientific Publication of IFAA, 23<sup>rd</sup> June 2023 (Online)
16. Educational Research in Anatomical Sciences Education a virtual international webinar organised by Department of Anatomy SRIHER, Chennai, Tamil Nadu 3<sup>rd</sup> August 2023 (Online)
17. MEDUCON 2023 Emerging Challenges in Health Professions & Education organized by the Department of Medical Education and Alumni Association of NTTC, JIPMER, 29<sup>th</sup> -30<sup>th</sup> September 2023
18. Biomedical Visualisation a webinar on World Anatomy Day organized by National Journal of Clinical Anatomy (NJCA) under the aegis of SOCA, 15<sup>th</sup> October 2023 (Online)
19. 4<sup>th</sup> international e-Conference BMSeCon 2023 Theme: "Beyond Boundaries: Exploring Excellence in Basic Medical Sciences" organised by Department of Anatomy, AVMC Pondicherry, 13<sup>th</sup> -15<sup>th</sup> December 2023 (Online)
20. National Hybrid CME - Lots About Luts on Outflow Tract of Urinary System organised by Department of Anatomy, Government Kilpauk Medical College, Chennai, Tamil Nadu, 14<sup>th</sup> February 2024 (Online)
21. National CME on "Carve In Cor" Hybrid mode organised by Department of Anatomy, MMCH & RI, Chennai, 29<sup>th</sup> February 2024 (Online)

#### **Committee Member**

1. Committee member of 'Competent Authority' for Renal transplant under the transplantation of human organs & tissue act 2019, Authorization of Organ Transplant under Transplantation of Human Organs Act: Kidney Donors were scrutinized, assessed, documented and presented before the Renal Transplant Authorization Committee as per the Transplantation of Human Organs Act (THOA), 1994.
2. Member of Integrative Medicine Transdisciplinary Working Committee Collaboration between AIIMS Jodhpur and IIT Jodhpur to create an operational framework for Integrative Medicine, AIIMS Jodhpur
3. Member of Yoga ; meditation committee; organizing lectures, seminar for mental, physical & social well-being of students, residents, faculty and staff

**Name of Faculty: Dr. Pushpa Potaliya**

**Designation: Associate Professor**

**Chapters**

1. Effect of chronic stress exposure on behavioral responses of male albino rats. In: New visions in medicine and medical science, 1st Vol by B.P. International, Kolkata: 2024.
2. Anatomy education and VR simulations. In: Advances in medical education and training; Intech Open Limited: 2024.

**Research Project**

**Ongoing**

**As Chief Investigator**

1. Embalming of Obese cadavers and concomitant challenges.
2. Assessment of wound vitality markers in ligature marks in a cohort of suicidal hanging.

**As C0-Investigator**

1. HER2 neu proto-oncogene Fluorescent in Situ Hybridization screening in cytological preparations of Gastrointestinal tract cancer.

**Examinership**

1. External Thesis examiner at RUHS Jaipur for PG thesis, March 2024
2. Thesis adjunction of SBKS Medical college and Research Centre, Vadodara, Gujarat, July 2023
3. MCQ FOR Question bank of INI-CET entrance exam, AIIMS New Delhi, 17 th April 2023 and 20<sup>th</sup> October 2023
4. External examiner (paper setting) for B.Sc Nursing Final exam (Batch 2020), Anatomy and Genetics, AIIMS Bhubaneswar, Sept 2023
5. External examiner (paper setting) for B.Sc Nursing (Batch 2022), AIIMS Rishikesh, Sept 2023
6. External examiner for BPT Part 1 (Main) Practical exam at SLNG Institute of Physiotherapy , 13<sup>th</sup> March 2024
7. Internal examiner for Allied Health Sciences, AIIMS Jodhpur, (Main (Oct/Nov 2023) and Remanded, Jan 2024.

**Membership/Post in Journal or Society or Association**

1. Member; Royal College of Biology (United Kingdom)
2. Member; American Association of Anatomy
3. Member; Society of Fetal medicine
4. Member; Australian and New Zealand Association of Clinical Anatomists
5. Associate Editor; Indian Journal of Clinical Anatomy and Physiology
6. Reviewer; European Journal of Medical and Health Sciences
7. Academic editor; The Journal 'PLOS ONE'
8. Reviewer; Asian Journal of Research in Biochemistry

**National/ International Conferences attended:**

1. The International Virtual workshop on confocal microscopy and quantitative histology, MBF Bioscience, 11<sup>th</sup> -15<sup>th</sup> March 2024 (Online)
2. ERASE-2023, Virtual International webinar by Sri Ramchandra Institute of higher education and research, Chennai, 3<sup>rd</sup> August 2023 (Online)
3. Anatomy in the fourth dimension- Understanding real life movement for better clinical outcomes of Groin by Owen Lewis, TicketTailor, 21<sup>st</sup> Sept 2023 (Online)
4. Hybrid CEP on Neural tube defects, Institute of Anatomy, Madurai Medical college, 11<sup>th</sup> October 2023
5. 'Tube to womb' hybrid CME on clinical embryology, by Department of Anatomy, Govt. Kilpauk Medical College, Chennai, 17<sup>th</sup> October 2023 (Online)
6. Member Organising team of World anatomy week with theme Teaching diversity in dissection laboratory, Department of Anatomy, AIIMS Jodhpur, 15<sup>th</sup> -18<sup>th</sup> October 2023
7. Member Organising team of Manav Seva Samman Samaroh, Department of Anatomy AIIMS Jodhpur, 15<sup>th</sup> -18<sup>th</sup> October 2023
8. Training in Good Clinical Practice, New Drugs and Clinical Trial Rules 2019 and ICMR National Ethical Guidelines, Organized by Research Section, AIIMS Jodhpur, 15<sup>th</sup> September 2023.
9. Resource Person for the workshop on 'Mentoring the mentors' for faculty mentors at AIIMS, Jodhpur, 26<sup>th</sup> October 2023.

#### **Awards:**

1. Patent granted and certificate awarded by the Patent office, Gol (Patent no: 482592; application no.: 201911009377; date: 14<sup>th</sup> Dec 2023) titled ' Novel method for thionin differential staining technique for paraffin embedded neural tissue'
2. Travel Grant awarded for The Liver week 2023, theme titled 'A Leap forward in liver research and clinical care', 18<sup>th</sup> -20<sup>th</sup> May 2023

**Name of Faculty: Dr. Nikha Bhardwaj**

**Designation: Associate Professor**

#### **Poster presentation at conference:**

1. Development of Interprofessional Educational Module for teaching Sports Injury at IPHACON-2024, ABVIMAS Manali, HP, 16<sup>th</sup> March 2024
2. Need assessment of Interprofessional Educational Module for Teaching Learning Activity of Musculoskeletal Anatomy" at National Consultation -V on Interprofessional Approaches on Medication Reconciliation: Key to Patient safety, MAHE, Manipal 15<sup>th</sup> Oct 2023

#### **Resource Faculty**

1. World anatomy week with theme Teaching diversity in dissection laboratory, Department of Anatomy, AIIMS Jodhpur, 15<sup>th</sup> -18<sup>th</sup> October 2023
2. Manav Seva Samman Samaroh, Annual body donor felicitation program organized by Department of Anatomy, AIIMS Jodhpur, 15<sup>th</sup> -18<sup>th</sup> October 2023
3. Faculty Development workshop on Improving Power point Presentations, AIIMS Jodhpur, 23<sup>rd</sup> September 2023

4. Course Coordinator in 4th Live Surgical and Hands-On Cadaveric Dissection Course on Head & Neck Surgery, Rhinoplasty & Facial Plastics, Department of ENT and Anatomy, AIIMS Jodhpur, 31<sup>st</sup> August-3<sup>rd</sup> September 2023
5. Faculty Development workshop on Medical Photography, AIIMS Jodhpur, 19<sup>th</sup> August 2023
6. Faculty Development workshop on Communication Skills, AIIMS Jodhpur, 25<sup>th</sup> April 2023

### **Research Projects:**

#### **Chief Investigator**

1. Histomorphometry of placenta, pro-inflammatory cytokines levels and IL6 gene expression in Pre-gestational Obese Pregnant women without any history of chronic disease or Pregnancy Induced complications (Intramural funding)
2. Development of Interprofessional Sports injury prevention module as a learning tool for teaching musculoskeletal Anatomy
3. Assessment blueprint for undergraduate medical students in Anatomy
4. Morphological deformities due to developmental Variation in the liver and its clinical implications
5. Variations of Medial and Lateral Cord of brachial Plexus

#### **Co-Investigator**

1. Anatomical variation of palmaris longus muscle: A cadaveric study
2. Drug Adherence and Quality of life among People Living with HIV/AIDS (PLHIV) receiving Antiretroviral Therapy at ART centers in western Rajasthan, funded by NACO
3. Stigma and discrimination among key populations and people living with HIV (PLHIV) in Rajasthan, funded by NACO

### **Scientific Awards**

1. Highest citation Award (Associate professor category), Annual Research Day, AIIMS Jodhpur, 13<sup>th</sup> January 2024
2. Highest h-index Award (Associate professor category), Annual Research Day, AIIMS Jodhpur, 13<sup>th</sup> January 2024
3. Grant of INR 1,70,000/- from National Academy of Medical Sciences for Workshop
4. Certificate of Appreciation for Dedicated member of Institute Ethics Committee (IEC) AIIMS Jodhpur Annual Research Day, AIIMS Jodhpur, 13<sup>th</sup> January 2024

### **Membership**

1. Member; International Association of Medical Education (AMEE)
2. Member; Royal Society of Biology
3. Member; Anatomical Society, UK
4. Member; International Pediatric Simulation Society
5. Member; Health Professional Educators
6. Pursuing Fellowship; Pursuing FAIMER Fellowship from MAHE, M-FILIPE (Fellowship in leadership and Interprofessional Education (second year)
7. Member Editorial board; National journal of clinical anatomy
8. Reviewer; National journal of clinical anatomy
9. Reviewer; Cureus

10. Reviewer; Indian Journal of Clinical Anatomy & Physiology
11. Reviewer; National Journal of Medical & Allied Sciences, NJMS

### **Examinership**

1. As an External Examiner/Question paper setter, Dr SN medical college, Jodhpur, Rajasthan
2. As an External Examiner/Question paper setter, Government Medical College, Barmer, Rajasthan
3. As an External Examiner/Question paper setter, Gujarat University, Ahmedabad, Gujarat

### **National/International workshop attended**

1. Training on Biomedical waste management and Infection prevention control, organized by the Department of Microbiology, AIIMS Jodhpur, 19<sup>th</sup> December 2023
2. Training workshop on LGBTQIA+ Affirmative Healthcare, AIIMS Jodhpur & I HEAR Doctors for Equity, 02<sup>nd</sup> December 2023
3. Certificate course in Prevention of Sexual Harassment of Women at Workplace, Institute of Secretariat Training and Management, Department of Personnel and Training Govt. of India (IGOT Karmayogi) 10<sup>th</sup> Oct 2023
4. Certificate course in stay safe in cyber space, Indian Cybercrime Coordination Center, Department of Personnel and Training Govt. of India (IGOT Karmayogi), 28<sup>th</sup> Sept 2023
5. Certificate course in Capacity Building commission, Department of Personnel and Training Govt. of India (IGOT Karmayogi), 28<sup>th</sup> Sept 2023
6. Certificate course in Code of Conduct for Government Employees, Institute of Secretariat Training and Management, Department of Personnel and Training Govt. of India (IGOT Karmayogi), 27<sup>th</sup> Sept 2023
7. Certificate course in Orientation Module on Mission LiFE, Ministry of Environment, Forest and Climate Change, Department of Personnel and Training Govt. of India (IGOT Karmayogi) 27<sup>th</sup> Sept 2023
8. Certificate course in Yoga Break at Workplace, Morarji Desai National Institute of Yoga (MDNIY) Department of Personnel and Training Govt. of India (IGOT Karmayogi), 26<sup>th</sup> Sept 2023
9. Good clinical practice, AIIMS Jodhpur, Rajasthan, 15<sup>th</sup> Sept 23
10. Certificate course in Problem based Learning, National Institute of Science and Technology, Oman, 15<sup>th</sup> August 2023

### **National/International Conferences attended**

1. IPHACON-2024, ABVIMAS Manali, Himachal Pradesh, 16<sup>th</sup> March 2024
2. International webinar on the World Anatomy Day 2023 Program on the theme "Biomedical Visualisation" on October 2023 (Online)
3. National Consultation -V on Interprofessional Approaches on Medication Reconciliation: Key to Patient safety, MAHE FAIMER (M-FILPE), Manipal, 15<sup>th</sup> Oct 2023
4. Virtual International CME, ERASE-2023 on Educational Research on Anatomical Science Education, Sri Ramachandra Medical College and Research Institute, Chennai, 3<sup>rd</sup> August 2023 (Online)
5. Webinar on Intellectual Property rights, MAHE, Manipal, 20<sup>th</sup> March 24 (Online)

**Name of Faculty: Dr. Hare Krishna**

**Designation: Associate Professor**

**Books/Chapters:**

1. Krishna H, Motwani R, Priya A (2023). Prader-Willi syndrome. In: Shackelford TK. (eds) Encyclopedia of Sexual Psychology and Behavior. Springer, Cham.
2. Motwani R, Krishna H (2024). Angelman syndrome. In: Shackelford TK (ed.), Encyclopedia of Sexual Psychology and Behavior Shackelford T. (eds) Encyclopedia of Sexual Psychology and Behavior. Springer, Cham.
3. Motwani R, Krishna H (2024). Ovulation. In: Shackelford TK (ed.), Encyclopedia of Sexual Psychology and Behavior Shackelford T. (eds) Encyclopedia of Sexual Psychology and Behavior. Springer, Cham.

**Paper Presented:**

1. Kumari R, Srivastav S, Krishna H, Bhagat OL, Nayak P. "Effect of pelvic suspension on heart rate variability in Wistar Rats" in the conference organized by The Physiological Society of India – Rajasthan Branch held at JLN Medical College, 16<sup>th</sup> -17<sup>th</sup> March 2024, Ajmer, Rajasthan
2. Sharma T, Srivastav S, Krishna H, Dixit A, Gupta Dixit S, Shukla KK, Banerjee M, Nayak P. "Aluminium-induced alterations in diestrous index and its possible association with neurotoxicity" in the conference organized by The Physiological Society of India – Rajasthan Branch held at JLN Medical College, 16<sup>th</sup> -17<sup>th</sup> March 2024, Ajmer, Rajasthan

**Research Project**

**Principal Investigator**

1. Effect of Soy Isoflavones on Polycystic Ovary Syndrome with Insulin Resistance Induced by Letrozole Combined with High Fat Diet: Histological and Biochemical Study- Intramural Project
2. Anatomical variations of the palmaris longus muscle: a cadaveric study. Nonfunded
3. Sex and age-related morphometric analysis of Talus and Calcaneum. Nonfunded

**Co-Investigator**

1. Evidence synthesis for the use of stem cell therapy: conducting systematic reviews/meta-analyses. Extramural Project (ICMR Funded)
2. Assessment of vascular adaptations to microgravity simulation using dry immersion in rat model. Intramural
3. Anatomical variation in the level of bifurcation of the sciatic nerve and its clinical implications. Nonfunded
4. Variation of medial and lateral cords of brachial plexus. Nonfunded

**Examinership**

1. First-year MBBS New Scheme Practical Examination in Department of Anatomy, Dr. S. N. Medical College, Jodhpur, 9<sup>th</sup> – 12<sup>th</sup> December 2023.
2. First-year MBBS (Supp) New Scheme Practical Examination April 2023 in Department of Anatomy, Dr. S. N. Medical College, Jodhpur, 21<sup>st</sup> April 2023.



3. First-year MBBS (Supp) New Scheme Practical Examination April 2023 in Department of Anatomy, Government Medical College, Barmer, 08<sup>th</sup> February 2024.

#### **Membership/Post in Journal or Society or Associatio**

1. Life Member; Society of Clinical Anatomists
2. Life Member; Anatomical Society of India
3. Life Member; Indian Academy of Neurosciences
4. Associate Secretary, AAA society
5. Reviewer; Journal of Clinical and Diagnostic Research
6. Reviewer; Cureus
7. Reviewer; National Journal of Clinical Anatomy

#### **National/ International Conferences attended**

1. "National E-Conference on Plastination Techniques" Organized by the Department of Anatomy, Saveetha Institute of Medical and Technical Sciences Chennai, 3<sup>rd</sup> June 2023. (Online)

#### **Workshop attended**

1. National workshop on Plastination Techniques, organized by the Department of Anatomy, AIIMS, Kalyan on 6<sup>th</sup> October 2023. (Online)
2. Workshop on 'Basic Statistical Analysis using Stata organized by Indian Institute of Public Health, Gurugram, Haryana on 18<sup>th</sup> -22<sup>nd</sup> March 2024. (Online)
3. 2nd One Week Online Workshop on Advance Statistical Data Analysis using SPSS organized by Uttar Pradesh University of Medical Sciences, Saifai Etawah & Science Tech Institute, Lucknow held on 21<sup>st</sup> -27<sup>th</sup> January 2024. (Online)
4. Training on Biomedical waste management and Infection prevention control, organized by the Department of Microbiology, AIIMS Jodhpur on 19<sup>th</sup> December 2023. (Online)
5. International webinar on the World Anatomy Day 2023 Program on the theme "Biomedical Visualisation" on 15<sup>th</sup> October 2023. (Online)
6. Faculty Development Program, "Improving PowerPoint Presentations" organized by Department of Medical Education Technologies (DMET), AIIMS Jodhpur on 23<sup>rd</sup> September 2023. (Online)
7. "Teaching diversity in the dissection laboratory" organized by Department of Anatomy, AIIMS Jodhpur as a part of World Anatomy Week on 15<sup>th</sup> -19<sup>th</sup> October 2023. (Online)
8. Certificate course in Prevention of Sexual Harassment of Women at Workplace, Institute of Secretariat Training and Management, Department of Personnel and Training Govt. of India (IGOT Karmayogi) on 2<sup>nd</sup> Oct 2023. (Online)
9. Certificate course in stay safe in cyber space, Indian Cybercrime Coordination Center, Department of Personnel and Training Govt. of India (IGOT Karmayogi) on 28<sup>th</sup> Sept 2023. (Online)
10. Certificate course in Introduction to Emerging Technologies, Capacity Building Commission, Department of Personnel and Training Govt. of India (IGOT Karmayogi) on 2<sup>nd</sup> October 2023. (Online)
11. Certificate course in Code of Conduct for Government Employees, Institute of Secretariat Training and Management, Department of Personnel and Training Govt. of India (IGOT Karmayogi) on 29<sup>th</sup> Sept 2023. (Online)
12. Certificate course in Orientation Module on Mission LiFE, Ministry of Environment, Forest and Climate Change, Department of Personnel and Training Govt. of India (IGOT Karmayogi) on 27<sup>th</sup> Sept 2023. (Online)

13. Certificate course in Introduction to Emerging Technologies, Yoga Break at Workplace, Morarji Desai National Institute of Yoga (MDNIY) Department of Personnel and Training Govt. of India (IGOT Karmayogi) on 26<sup>th</sup> Sept 2023. (Online)
14. World Anatomy Week with theme Teaching diversity in the dissection laboratory, Department of Anatomy, AIIMS Jodhpur, 15<sup>th</sup> -18<sup>th</sup> October 2023.
15. Manav Seva Samman Samaroh, Body donor felicitation program organized by Department of Anatomy, AIIMS Jodhpur, 15<sup>th</sup> October 2023.
16. 4<sup>th</sup> Live Surgical and Hands-On Cadaveric Dissection Course on Head & Neck Surgery, Rhinoplasty & Facial Plastics, Dept of ENT and Anatomy, AIIMS Jodhpur, 31<sup>st</sup> August- 3<sup>rd</sup> September 2023.

**Others:**

1. Certificate of Appreciation awarded for research contribution for authoring chapters in books

## Department of Biochemistry

S.No.	Name	Designation
1	Dr. Mithu Banerjee	Professor and Head
2	Dr. Purvi Purohit	Professor
3	Dr. Dharmveer Yadav	Additional Professor
4	Dr. Shailja Sharma	Additional Professor
5	Dr. Shrimanjunath Sankanagoudar	Additional Professor
6	Dr. Kamla Kant Shukla	Additional Professor (Trauma & Emergency)
7	Dr. Maithili Karpaga Selvi	Associate Professor
8	Dr. Sojit Tomo	Assistant Professor

### About the Department

The Biochemistry Department was established with the commencement of AIIMS Jodhpur on September 2012 under the Ministry of Health & Family Welfare, Government of India, as part of the Pradhan Mantri Swasthya Suraksha Yojna (PMSSY). Since its inception, the Department has actively engaged in various activities such as undergraduate and postgraduate medical education, research, and patient care services. These services include, providing both advanced and routine biochemical analyses for diagnosis and prognosis. Currently, the department boasts a dedicated team comprising 8 faculty members, 4 Senior Residents, 5 Academic Junior Residents, 5 Ph.D. students, two M.Sc. students, and non-teaching laboratory technical staff consisting of 26. The Department actively educates undergraduate students, including MBBS and Nursing candidates, through engaging methods like audio-visual presentations and group discussions during tutorials. To comply with National Medical Commission (NMC) standards for MBBS students, we have introduced innovative teaching strategies, such as small group discussions, early clinical exposure, problem-based learning, and case discussions. The Department offers several postgraduate and doctoral programs, including MD Biochemistry, MSc Biochemistry, Ph.D., joint Ph.D., and MMT (in collaboration with AIIMS Jodhpur and IIT Jodhpur). Currently, there are five MD students, two MSc students, and five registered Ph.D. candidates. Postgraduate training includes seminars, clinical case discussions, and journal clubs. Clinical rotational postings and Quality Control Clinics provide hands-on experience, with training in various laboratory techniques like clinical chemistry, PCR, HPLC, and more. The diagnostic services by Biochemistry Department was started on July 2014. Since March 2015, the Biochemistry Laboratory has been operational round the clock, effectively providing essential services to hospital patients, including phlebotomy services to OPD. The laboratory is participating in Biorad and Randox external quality assessment system, ensuring excellent quality assurance through regular monitoring of Internal Quality Control (IQC) and External Quality Assessment (EQAS). The IPD (In-Patient Department) laboratory is well-equipped with advanced technology, including Fully Automated clinical chemistry analyzers (Beckman and Coulter AU series), Chemiluminescence analyzers (Advia Centaur, Diasorin, and UniCel Dxl 800), electrolyte analyzers, and Hb Variant. In addition to clinical diagnostics, the Molecular Diagnostics lab is well-equipped with various cutting-edge instruments, such as PCR (Polymerase Chain Reaction), RTPCR (Reverse Transcription Polymerase Chain Reaction), flow cytometer, HPLC, Atomic absorption spectrophotometer, ELISA reader, Microplate reader, gel electrophoresis, western blotting,

Sanger sequencing, and ddPCR (Digital Droplet PCR). This sophisticated setup allows the lab to handle heavy metal toxicity testing, mutation detection, and support various research projects undertaken by the institutional faculty members, post-graduate students, and Ph.D. candidates. The Department boasts a wide array of research facilities that encompass areas such as genetics, immunology, clinical chemistry, hormones, and metal toxicity, among others. It has earned the prestigious designation of Lead Referral Centre by the Indian Society for Lead Awareness and Research. The Department is deeply engaged in research, with the faculties acting as the Principal Investigator for five extramural projects and the co-principal investigator for ten more. Additionally, it is involved in over 14 ongoing intramural projects, frequently in collaboration with other departments. The department has also been selected for ICMR Taskforce on establishment of Reference Intervals in Indian Population (TERIIP). Two of the residents of the department has been awarded prizes in International conferences and Three residents of the department has been awarded prizes in National Conference. The department has demonstrated a commendable research output, with over 48 peer-reviewed articles published in esteemed national and international journals, highlighting its dedication to making significant contributions to the scientific community.

### Workshops/ Conferences Organized

1. International Lab Professionals week - Lab professionals- The Heroes in the background, 24<sup>th</sup> – 29<sup>th</sup> April 2023.
2. NABL Internal Auditor Training Programme as per ISO15183:2022 was conducted from 15<sup>th</sup> -19<sup>th</sup> July 2023 and 25<sup>th</sup> -29<sup>th</sup> July 2023.
3. Research facility training Program (under SSR policy of SERB-DST), 28<sup>th</sup> November 2023, AIIMS, Jodhpur
4. Workshop by International Federation of Clinical Chemistry and Laboratory Medicine (IFCC) Flowcytometry group titled ' Flow cytometry - Basics to immunomonitoring in immunodeficiencies', All India Institute of Medical Sciences, Jodhpur, India from 6<sup>th</sup> -9<sup>th</sup> November 2023.
5. North Zone ACBICON 2024. AIIMS Jodhpur, 1<sup>st</sup> -2<sup>nd</sup> Feb 2024
6. 3rd Mammalian Cell Culture Workshop 2024. 11<sup>th</sup> – 16<sup>th</sup> March 2024



3<sup>rd</sup> Mammalian Cell culture workshop



Research facility training Program (under SSR policy of SERB-DST) on 28th November 2023, AIIMS, Jodhpur



IFCC workshop on flow cytometry

### Compiled list of Publications

#### Pubmed Indexed:

1. Kothari N, Venkatachalam K, Goyal S, Banerjee M, Sharma A, Paliwal B, Mohammed S, Bhatia PK. Comparing the dose of Propofol on combining with Ketamine versus Fentanyl in patients on ventilator. *Critical Care Medicine* 52(1):p S690, January 2024. | DOI: 10.1097/01.ccm.0001003908.66503.3f
2. Chopane S, Chaudhry K, Kohli A, Singh S, Banerjee M, Kumar P, Ganesan A, Chugh A. Safety and Efficacy of Resveratrol in Healing of Maxillofacial Fractures: A Randomized Controlled Study. *J Maxillofac Oral Surg.* 2023 Dec;22(4):987-994. doi: 10.1007/s12663-023-01992-7. Epub 2023 Sep 7. PMID: 38105826; PMCID: PMC10719438.
3. Shadrach BJ, Dutt N, Elhence P, Banerjee M, Chauhan NK, Jalandra RN, Garg MK, Garg P, Tandon A, Shishir S, Kochar R, Chhatwani B, Pareek P, Parrikar A. Clinical Utility of Bronchoalveolar Lavage Neutrophilia and Biomarkers for Evaluating Severity of Chronic Fibrosing Interstitial Lung Diseases. *Cureus.* 2023 Jul 19;15(7):e42162. doi: 10.7759/cureus.42162. PMID: 37602059; PMCID: PMC10439013.
4. Sankanagoudar S, Tomo S, Syiemlieh A, Sharma PP, Banerjee M, Sharma P. Assessing Performance of Martins's and Sampson's Formulae for Calculation of LDL-C in Indian Population: A

- Single Center Retrospective Study. *Ind J Clin Biochem* (2023). <https://doi.org/10.1007/s12291-023-01142-3> (IF 1.9)
5. Goyal H, Sureka B, Mangaraj N, Agarwal A, Kothari N, Garg MK, Banerjee M, Agarwal As, Garg P, Yadav T, Khera P. Comparison between abdominal CT findings in intensive care unit (ICU) and non-ICU patients with Covid-19: experience from a tertiary care hospital. *African Health Sciences*, Vol 23 Issue 4, December, 2023.
  6. Bhardwaj P, Ganapathy K, Pathania M, Naveen KH, Charan J, Dutta S, Gadepalli R, Srinivasan S, Gupta MK, Goel AD, Midha N, Kumar B, Sharma M, Sharma P, Banerjee M, Mitra P, Misra S, V V, Subramaniant G, R P, Dhar M, Saxena V, Dhamija P, Singh A, Subramanian S, Kanchibhotla D. Effectiveness of ayurvedic formulation, NAOQ19 along with standard care in the treatment of mild-moderate COVID-19 patients: A double blind, randomized, placebo-controlled, multicentric trial. *J Ayurveda Integr Med*. 2023 Nov-Dec;14(6):100778. doi: 10.1016/j.jaim.2023.100778. Epub 2023 Nov 15. PMID: 37976809; PMCID: PMC10684801.
  7. Gadwal A, Purohit P, Khokhar M, Vishnoi JR, Pareek P, Choudhary R, Elhence P, Banerjee M, Sharma P. In silico analysis of differentially expressed-aberrantly methylated genes in breast cancer for prognostic and therapeutic targets. *Clin Exp Med*. 2023 Nov;23(7):3847-3866. doi: 10.1007/s10238-023-01060-x. Epub 2023 Apr 7. PMID: 37029310.
  8. Gounden V, Banerjee M, Amundsen EK, Serdar MA, Suárez Sánchez CI, Strain C, Kinniburgh D, Zhao Z. Linking Laboratory Testing to Clinical Outcomes: Bridging the Gap through Outcome-Based Studies in Laboratory Medicine. *Clin Chem*. 2023 Nov 2;69(11):1317-1321. doi: 10.1093/clinchem/hvad132. PMID: 37688514.
  9. Sureka B, George T, Garg MK, Banerjee M, Deora S, Sukhla R, Goel A, Garg PK, Yadav T, Khera PS. Cutoff values of body fat composition to predict metabolic risk factors with normal waist circumference in Asian Indian population. *Eur Radiol*. 2023 Jan;33(1):711-719. doi: 10.1007/s00330-022-09009-6. Epub 2022 Jul 19. PMID: 35852580.
  10. Thomas L, Kurian SJ, Mukherjee N, Thomas RB, Keerthana B, Sekhar SM, Subeesh V, Banerjee M, Varma M, Rao M. Potential drug-drug interactions among hospitalised TB patients. *Int J Tuberc Lung Dis*. 2022 Dec 1;26(12):1137-1143. doi: 10.5588/ijtld.22.0107. PMID: 36447328.
  11. Birdi A, Tomo S, Yadav D, Sharma P, Nebhinani N, Mitra P, Banerjee M, Purohit P. Role of Klotho Protein in Neuropsychiatric Disorders: A Narrative Review. *Indian J Clin Biochem*. 2023 Jan;38(1):13-21. doi: 10.1007/s12291-022-01078-0. Epub 2022 Aug 13. PMID: 36684492; PMCID: PMC9852376.
  12. Nandagopal S, Misra S, Sankanagoudar S, Banerjee M, Sharma P, Pane SE, Guerriero G, Shukla KK. Long Non Coding RNA in Triple Negative Breast Cancer: A Promising Biomarker in Tumorigenesis. *Asian Pac J Cancer Prev*. 2023 Jan 1;24(1):49-59. doi: 10.31557/APJCP.2023.24.1.49. PMID: 36708551; PMCID: PMC10152875.
  13. Ghosh S, Gaur A, Tripathy ST, Banerjee M, Nayak P. Effect of aluminium on lipid profile and atherogenic index in prepubertal and young adult female rats: A pilot study. *Ind Jrl Physiology & Pharmacology*. 67(2);92-99.
  14. Choudhary S, Kumar P, Banerjee M, Singh K, Goyal JP. Relationship of Serum Periostin with Asthma Control in Children: Single Center Experience. *Indian Pediatr*. 2023 May 30;S097475591600552. Epub ahead of print. PMID: 37260069.
  15. Birdi A, Kumar PK, Nebhinani N, Gupta T, Tomo S, Purohit P, Banerjee M, Mitra P, Sharma P, Yadav D. Association of circulatory Klotho levels and its expression with miRNA- 339 in patients with schizophrenia. *Behav Brain Res*. 2023 May 8;445:114359. doi: 10.1016/j.bbr.2023.114359. Epub 2023 Feb 24. PMID: 36842554.



16. Singh S, Kumar PVS NK, Kumar JP, Tomo S, Yadav D, Sharma P, Rao M, Banerjee M. Genetic and Epigenetic Basis of Drug-Induced Liver Injury. *Semin Liver Dis.* 2023 May;43(2):163-175. doi: 10.1055/a-2097-0531. Epub 2023 May 24. PMID: 37225145.
17. Kumar K, Anjali S, Sharma S. Effect of lead exposure on histone modifications: A review. *J Biochem Mol Toxicol.* 2024 Jan;38(1):e23547. doi: 10.1002/jbt.23547. Epub 2023 Oct 22. PMID: 37867311.
18. Kiran GS, Kumar PK, Mitra P, Kumar K, Goyal T, Sharma S, Rana S, Sharma P. Unravelling blood-based epigenetic mechanisms: the impact of hsa-miR-146a and histone H3 acetylation in lead-induced inflammation among occupational workers. *Int Arch Occup Environ Health.* 2023 Aug 12. doi: 10.1007/s00420-023-02004-4. Epub ahead of print. PMID: 37572134.
19. Bhardwaj P, Mantri N, Joshi NK, Suthar P, Sharma P, Purohit P *et al.* Study of anaemia in pregnancy and low birth weight in fluoride endemic area of Western Rajasthan: a cohort study. *F1000Research* 2024, **12**:602(<https://doi.org/10.12688/f1000research.134720.2>)
20. Thakral S, Purohit P, Mishra R, Gupta V, Setia P. The impact of RNA stability and degradation in different tissues to the determination of post-mortem interval: A systematic review. *Forensic Sci Int.* 2023 Aug;349:111772. doi: 10.1016/j.forsciint.2023.111772. Epub 2023 Jul 1. PMID: 37450949.
21. Thakral S, Purohit P, Modi A, Mishra R, Sinha A, Setia P. Expression of human cardiac-specific genes: a novel method for post-mortem interval estimation. *Arch Med Sadowej Kryminol.* 2023;73(1):5-11. English. doi: 10.4467/16891716AMSIK.22.001.18211. PMID: 38186030.
22. Purohit P, Ateriya A, Setia P. The COVID-19 Pandemic and its Medicolegal Aspects in the Indian Context. *Journal of Indian Academy of Forensic Medicine.* 2023; 45(3), 291-295.
23. Sukhija S, Purohit P, Pareek P, Garg PK, Vishnoi JR, Elhence PA, et al. Circulating MiRNA-21 Levels in Breast Cancer Patients Before and After Chemotherapy and Its Association with Clinical Improvement. *Indian Journal of Clinical Biochemistry.* 2023;1-7.
24. Roy D, Purohit P, Khokhar M, Modi A, Shukla RKG, Chaudhary R, et al. Analyzing the Association of Visceral Adipose Tissue Growth Differentiation Factor-15 and MicroRNA in Type 2 Diabetes Mellitus. *Journal of Obesity & Metabolic Syndrome.* 2023 Mar 30;32(1):64-76.
25. Khokhar M, Purohit P, Tomo S, Agarwal RG, Gadwal A, Bajpai NK, et al. PTEN, MMP2, and NF-κB and Regulating MicroRNA-181 Aggravate Insulin Resistance and Progression of Diabetic Nephropathy: A Case-Control Study. *Kidney and Dialysis.* 2023 Mar 15;3(1):121-38.
26. Khokhar M, Purohit P, Gadwal A, Tomo S, Bajpai NK, Shukla R. The Differentially Expressed Genes Responsible for the Development of T Helper 9 Cells From T Helper 2 Cells in Various Disease States: Immuno-Interactomics Study. *JMIR Bioinform Biotech.* 2023 Feb 23;4:e42421.
27. Yadav D, Pvsn KK, Tomo S, Sankanagoudar S, Charan J, Purohit A, et al. Association of iron-related biomarkers with severity and mortality in COVID-19 patients. *Journal of Trace Elements in Medicine and Biology.* 2022;74:127075.
28. Tiwari A, Kumari B, Nandagopal S, Mishra A, Shukla KK, Kumar A, Dutt N, Ahirwar DK. Promises of Protein Kinase Inhibitors in Recalcitrant Small-Cell Lung Cancer: Recent Scenario and Future Possibilities. *Cancers (Basel).* 2024;16(5):963. PMID: 38473324.
29. Nandagopal S, Choudhary G, Sankanagoudar S, Banerjee M, Elhence P, Jena R, Selvi MK, Shukla KK. Expression of stem cell markers as predictors of therapeutic response in metastatic prostate cancer patients. *Urol Oncol.* 2024: S1078-1439(23)00509-4. PMID: 38278632.
30. Shikha D, Ojha P, Shukla KK, Bhagat OL, Dixit A. Autonomic Correlates of Letter Cancellation Task: What the Attention Load May Evoke? *J Atten Disord.* 2023 Jul;27(9):1027-1034. PMID: 37057312.
31. Ghuman NK, Shukla KK, Nandagopal S, Raikar S, Kumar S, Kathuria P, Choudhary D, Elhence P, Singh P. Explaining the Unexplained: Examining the Predictive Value of Semen Parameters, Sperm

- DNA Fragmentation and Metal Levels in Unexplained Infertility. *J Hum Reprod Sci.* 2023;16(4):317-323. PMID: 38322633.
32. Shukla KK, Sankanagoudar S, Sharma H, Choudhary GR, Sankanagoudar S, Vishnoi JR Pareek P, Misra S, Pilla KK, Sharma P. Deregulation of miR-10b and miR-21 correlate with cancer stem cells expansion through the apoptotic pathway in prostate cancer. *Asian Pac J Cancer Prev.* 2023; 24(6):2105-2119. PMID: 37378942.
  33. Panwar R, Shekhawat RS, Shukla KK, Rao M, Rathore M, Kanchan T. Quantitative estimation of TNF- $\alpha$  and IL-3 by using ELISA from human lung tissue in fatal asphyxial deaths. *J Forensic Leg Med.* 2023; 98:102559. PMID: 37453342.
  34. Ragavi R, Muthukumaran P, Nandagopal S, Ahirwar DK, Tomo S, Misra S, Guerriero G, Shukla KK. Epigenetics regulation of prostate cancer: Biomarker and therapeutic potential. *Urol Oncol.* 2023; S1078-1439(23)00090-X. PMID: 37032230 (IF-3.49).
  35. PVSN K.K., Tomo S., Purohit P., Sankanagoudar S, Charan J, Purohit A, Nag V, Bhatia P, Singh K, Dutt N, Garg MK, Sharma P, Misra S, Yadav D. Comparative analysis of serum zinc, copper and magnesium level and their relations in association with severity and mortality in SARS-CoV-2 patients. *Biol. Trace Elem. Res.* 2023;201(1):23–30.
  36. Khokhar M, Roy D, Bajpai NK, Bohra GK, Yadav D, Sharma P, Purohit P. Metformin mediates MicroRNA-21 regulated circulating matrix metalloproteinase-9 in diabetic nephropathy: an in-silico and clinical study. *Archives of Physiology and Biochemistry.* 2023; 129(6), 1200–1210.
  37. Dholariya S, Singh RD, Songara A, Yadav D, Vajaria BN, Parchwani. Integrating Cutting-Edge Methods to Oral Cancer Screening, Analysis, and Prognosis. *Crit. Rev Oncog.* 2023; 28(2): 11-44. DOI: 10.1615/CritRevOncog.2023047772.
  38. Birdi A, Tomo S, Sharma M. et al. Association of Klotho with Neuropsychiatric Disorder: A Meta-Analysis. *Ind J Clin Biochem* 2023. <https://doi.org/10.1007/s12291-023-01132-5>.
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  41. Mohanty V, Sharma S, Goswami S, Kaushik A, Choudhary R, Yadav D, Deora S, Singh K. Association of Novel Hematological Indices with Severity of Coronary Artery Disease using SYNTAX Score in Patients with Acute Coronary Syndrome. *Cardiovascular & hematological disorders drug targets.* 2023;23(3):202-11.
  42. Mohanty V, Deora S, Kaushik A. et al. Predictive Value of Lymphocyte Based Indices to Determine Major Adverse Cardiovascular Events in Acute Coronary Syndrome Undergoing Percutaneous Coronary Intervention. *Ind J Clin Biochem* (2024). <https://doi.org/10.1007/s12291-024-01188-x>.
  43. Kumar PK, Japa P, Tomo S. et al. Exploring Micronutrient Dynamics in COVID-19 Severity and Mortality: Unraveling the Roles of Vitamin D, Calcium, Phosphorus, Magnesium and ALP. *Ind J Clin Biochem* (2024). <https://doi.org/10.1007/s12291-024-01225-9>.
  44. Yadav D, Birdi A, Nebhinani N, Kumar K, Tomo S. Association of  $\alpha$ -klotho levels with serum copper and cadmium levels in schizophrenia. *European Psychiatry.* 2023;66(S1):S257-S257. doi:10.1192/j.eurpsy.2023.589.



45. Yadav D, Birdi A, Tomo S, Nebhinani N, Sharma P. Association of Klotho gene Expression and miRNA- 339 in Schizophrenia. Eur Psychiatry. 2023 Jul 19;66(Suppl 1):S258. doi: 10.1192/j.eurpsy.2023.590. PMID: PMC10596670.
46. Roy S, Kothari N, Sharma A, Goyal S, Sankanagoudar S, Bhatia PK, et al. Comparison of Diagnostic Accuracy of Presepsin and Procalcitonin for Sepsis in Critically Ill Patients: A Prospective Observational Study. Indian J Crit Care Med 2023; 27(4):289–293. PMID: 37378028; PMID: PMC10291648
47. Tomo S, Sankanagoudar S, Shukla RK. Enhanced ability of Cordova formula for estimation of LDL cholesterol in distinguishing patient requiring lipid lowering treatment. Minerva Endocrinol (Torino). 2023;48(2):247-250. PMID: 35103460

#### **Non-Pubmed Indexed:**

1. Maithilikarpagaselvi N, Prasunpriya N, Karli S, Jyotsna N, Tanu K, Mithu B. Protective effect of Boerhaavia diffusa on cisplatin-induced nephrotoxicity-Role of apoptosis and oxidative stress. Annals of R.S.C.B. 2023;27(1): 317-333

#### **Any other information**

1. Organized the research facility training program (under SSR policy of SERB-DST) on 28<sup>th</sup> November 2023, AIIMS Jodhpur

**Name of Faculty: Dr. Mithu Banerjee**

**Designation: Professor & Head**

#### **Invited Lectures**

1. Oration on “Quality Control Clinics-Time to introduce in PG Curriculum”. Association of Medical Biochemists of India (AMBICON 2023), 14<sup>th</sup> - 16<sup>th</sup> December, 2023, Mumbai.
2. Guest lecture titled “Liquid Biopsy – Concept & applications”. CME titled “Decoding genes...The Journey continues”. 18<sup>th</sup> April, 2023, Dayanand Medical College and Hospital (DMC&H), Ludhiana.
3. Speaker in the third Mammalian Cell Culture workshop, 11<sup>th</sup> -16<sup>th</sup> March 2024, AIIMS, Jodhpur

#### **Paper Presented**

1. Banerjee M. Presented poster in EUROMEDLAB titled “SOD- The key player in Drug Induced Liver Injury due to Anti Tubercular therapy”. International Federation of Clinical Chemistry Conference, 21<sup>st</sup> -25<sup>th</sup> May 2023, Rome.
2. Gupta S, Banerjee M, Gauba K. Association of IL-22 transmembrane receptor and binding protein with levels in Tuberculosis. Presented at the International Federation of Clinical Chemistry, 21<sup>st</sup> -25<sup>th</sup> May 2023, Rome.

#### **Memberships**

1. Member; American Association of Clinical Chemistry
2. Member; Association of Medical biochemists of India
3. Member; Association of Clinical Biochemists of India
4. Member; Australian Association of Clinical Biochemistry

**Resource Faculty**

1. Organizing chairperson of 3rd Mammalian Cell Culture Workshop 2024, 11<sup>th</sup> – 16<sup>th</sup> March, 2024, AIIMS Jodhpur
2. Organizing chairperson of North Zone ACBICON 2024, 1<sup>st</sup> – 3<sup>rd</sup> February 2024
3. Organizing chairperson of IFCC Workshop on 'Flow cytometry -Basics to monitoring in Immunodeficiencies', 6<sup>th</sup> – 9<sup>th</sup> November, 2023, AIIMS Jodhpur.
4. Organizing chairperson International Lab Professionals week - Lab professionals- The Heroes in the background, 24<sup>th</sup> – 29<sup>th</sup> April, 2023, AIIMS Jodhpur.

**Research Project:****Ongoing****As Principal Investigator**

1. DNA methylation in promoter region of MGMT& EDNRB genes from saliva as a biomarker of head & neck cancers. Intramural
2. Assessment of DHEAS/Cortisol ratio, Growth Hormone & cytokines in predicting response to therapy in Tuberculosis. Intramural
3. Pharmacogenomic, Biochemical, Epigenetic and population pharmacokinetic study in TB patients- Multicentric Study. Project funded by ICMR- TB consortium. Budget- 99,19,875/-Agency- ICMR- Adhoc project funding by TB consortium

**As Co investigator**

1. Comparison of estimated Triglyceride and Triglyceride corrected for glycerol interference in Diabetes mellitus patients. Intramural
2. Immunoclinical Characterisation of Diabetes in children & Adolescents & their characterisation in time & Space. Intramural
3. Quantitative sensory testing of allodynia in migraine: Its association with endogenous sex hormones & TRPV1 expression. Intramural
4. Assessment of KRAS mutation in colon cancer and it's clinicopathological correlation. Intramural
5. Assessment of some important biomarkers in hypertensive patients: An analytic cross sectional study. Intramural
6. Do biomarkers predict bone healing in lower limb diaphyseal fractures? -A Prospective Cohort study. Intramural
7. Changes in Dehydroepiandrosterone and Cortisol Levels after Major Trauma: A Prospective Observational Study. Intramural
8. Study of LDL receptor expression in aluminium exposed adult rats.
9. Effect of Soy Isoflavones on Polycystic Ovary Syndrome with Insulin Resistance. Intramural
10. Induced by Letrozole Combined with High Fat Diet: Histological and biochemical study. Intramural
11. Histomorphometry of placenta, pro inflammatory cytokines levels and IL6 gene expression in pre diabetic obese pregnant women without any history of chronic disease or pregnancy induced complications. Intramural
12. Iron status in healthy term breastfed infants in early infancy: A prospective cohort study. Budget- 50 lacs, Funding agency – ICMR
13. To assess the impact of Endocrine Disrupting Chemical (EDC) exposure on DNA methylation in infertile males: A multicentric study in India. Budget- 54.5lacs, Agency –DHR

14. Drug Trials: Treatment optimisation for blood pressure with single pill combinations in India (TOPSPIN). Funding agency – ICMR
15. Drug Trial: ICMR Taskforce on establishment of Reference Intervals in Indian Population (TERIIP). Funding agency – ICMR

#### **Any other Information:**

##### **Representation in International committees**

1. Elected as member of Education Committee of Asia Pacific Federation of Clinical Chemistry.
2. Elected as member of Task Force on Outcome Studies in Laboratory Medicine of the International Federation of Clinical Chemistry held in Dubai .
3. Elected as corresponding member of committee of Education in Biomarkers of Diabetes of the International Federation of Clinical Chemistry.

##### **Academic Activities**

1. Participated in an intensive training program on processing samples using ddPCR and Sanger sequencing techniques at the Molecular Genetics Laboratory, Tata Medical Center, Kolkata, from February 5th to 17th, 2024. This training provided advanced skills and hands-on experience in state-of-the-art molecular genetics methodologies

**Name of Faculty: Dr. Purvi Purohit**

**Designation: Professor**

##### **Paper Presented**

1. Purohit P, Khokhar M, Bajpai NK, Shukla RK. Role of Matrix metalloproteinases and COL4A in Type 2 Diabetes Mellitus and Diabetic Nephropathy Progression, World Lab Euromed Roma 2023. 21<sup>st</sup>-25<sup>th</sup> May 2023, Rome.
2. Poster presentation Purohit P, Thakral S, Sinha A, Mishra R, Setia P. Analysis of gene expression of cardiac-specific gene NT-proBNP and Cardiac troponin I to estimate post-mortem interval, IAFS 2023, Sydney.
3. Khokhar M, Purohit P, Gadwal A, Bajpai NK, Shukla RK. Th9 Unravelling Molecular Pathways Across Disease Spectra and Exploring Immune Dysregulation in Type 2 Diabetes Mellitus with a Focus on Diabetic Nephropathy, 1<sup>st</sup> -3<sup>rd</sup> Feb 2024, North Zone ACBICON, AIIMS Jodhpur.
4. Khokhar M, Purohit P, Gadwal A, Bajpai NK, Shukla RK.. Exploring the Immunological Dynamics of Th9 and Treg Cell Homeostasis in the Progression of Diabetic Nephropathy. National Conference on Advances in Biochemical Sciences: Basic to Translational Research, 20<sup>th</sup> – 21<sup>st</sup> March, 2024, Central University of Rajasthan, Ajmer.
5. Poster presentation. Gadwal A, Purohit P, Vishnoi JR, Pareek P, Choudhary RK, Elhence P, Banerjee M, Sharma P. Identification of potential key genes and their regulatory microRNAs in lymph node and skin metastasis in breast cancer using in silico analysis. ICGA October 2023, Pune
6. Oral Presentation. Gadwal A, Purohit P, Vishnoi JR, Pareek P, Choudhary RK, Elhence P, Banerjee M, Sharma P. GALNT14 promotes stemness and drug resistance through  $\beta$ -catenin signalling pathway in breast cancer. IABSCON February 2024, AIIMS Patna, Bihar

##### **Sessions Chaired**

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1. Chair Session IABSCON 2024 – Non-communicable diseases at AIIMS Patna from 22<sup>nd</sup> - 26<sup>th</sup> Feb, 2024, Patna, Bihar
2. Chair Session IABSCON 2024 – Students Presentation Competition at AIIMS Patna, 22<sup>nd</sup> - 26<sup>th</sup> Feb 2024, Patna, Bihar.
3. Chair Session North Zone ACBICON 2024 - Students Presentation Competition from Department of Biochemistry, AIIMS, Jodhpur, 1<sup>st</sup> – 3<sup>rd</sup> February 2024, Jodhpur

### Invited Lectures

1. Invited speaker at symposium titled Breast Cancer glycosylation & Inflammation: the emerging hallmarks. 12th IABSCON 2024, AIIMS Patna, 22<sup>nd</sup> - 26<sup>th</sup> Feb, 2024, Patna, Bihar.
2. Invited Symposium speaker titled Immune & Inflammatory markers in DKD: novel therapeutic targets. 49th ACBICON 2023, 15<sup>th</sup> - 16<sup>th</sup> Sept 2023, Kerala
3. Invited speaker - Immunometabolism in Diabetic Nephropathy: a challenging but promising therapeutic target. North Zone ACBICON 2024, 15<sup>th</sup> - 16<sup>th</sup> Sept 2023, Kerala.

### Resource Faculty

1. Member of organizing committee of IFCC Workshop on 'Flow cytometry -Basics to monitoring in Immunodeficiencies', 6<sup>th</sup> – 9<sup>th</sup> November, 2023, AIIMS Jodhpur.
2. Organizing Secretary International Lab Professionals week - Lab professionals- The Heroes in the background, 24<sup>th</sup> – 29<sup>th</sup> April 2023, AIIMS Jodhpur
3. Organizing Secretary in Third Mammalian Cell Culture Workshop, 11<sup>th</sup> - 16<sup>th</sup> March 2024, AIIMS Jodhpur

### Research Projects

#### Ongoing

#### As Principal Investigator

1. Research Society for Study of Diabetes in India - Analysis of the role of circulating MicroRNAs and PTEN for immune homeostasis of TH9, TH-22 and Treg cells in Diabetic Nephropathy.
2. Effect of Bisphenol A on epigenetic modification of GDF 15 and hallmarks of cancer (cell cycle, EMT, drug resistance & stemness) - Intramural 2023-24 AIIMS Jodhpur [ongoing].
3. Analysing the role of GDF-15 in association with Glyco-genes and their aberrant methylation leading to Drug resistance and Stemness of Breast Cancer - AIIMS Jodhpur, Intramural Project 2022-23
4. Identification of potential key genes and their regulatory microRNAs and transcription factors in lymph node and skin metastasis in breast cancer using in silico analysis. Non funded.
5. Interatomic analysis of adipose tissue genes related to obesity, diabetes mellitus and insulin resistance for the prediction of novel therapeutic targets. Non funded

#### As Co-Investigator

1. Predictive value of progression of various stages of depression to suicide by Epigenetic modification of FKBP 5 gene. DHR GIA
2. An observational study of prevalence of Vitamin D deficiency in pregnant Indian females and its association with Gestational Diabetes. DHR GIA

3. To study the prevalence of Bisphenol A toxicity and its metabolic and hormonal effects in females with Polycystic Ovary Syndrome. ICMR-Adhoc
4. Indo-Sweden Collaboration Programme: A Clinical Applicability Study of the Tumour Specific Electroporation Technique for Patients with locally advanced or recurrent Head & Neck cancer using IQwave 3.0 CE.
5. AYUSH-ICMR Advanced Centre for Integrative Health Research: Beyond Symptom Relief: Ayurveda vs. Conventional Care for Knee Osteoarthritis - An Open-Label Comparative Study on Clinical-Epigenetics and Gait Kinematics.
6. AYUSH-ICMR Advanced Centre for Integrative Health Research: Integrated Health Model for Pulmonary Rehabilitation in COPD and Pneumoconioses.
7. ICMR Task force on Reference Interval in Indian Population. ICMR

### **Completed**

#### **As Principal Investigator**

1. A case-control study analysing the role of GDF-15 in the induction of stemness of Triple Negative Breast Cancer Intramural. (2018-19)

#### **As Co-Investigator**

1. Dept. of Biotechnology (DBT) National Inherited Diseases Administration (NIDAN) Kendra
2. An observational study analysing the post-mortem interval in Human cadavers using autophagy proteins. ICMR Core grant

### **Fellowship/Membership**

1. Life Member; Indian Association of Biomedical Scientist
2. Life Member; Indian Immunology Society
3. Member; European Association of Cancer Research
4. Association of Diagnostic Laboratory Medicine (ADLM)

### **Examinership**

1. Ist MBBS Professional Exam AIIMS, Patna, 18<sup>th</sup> Dec, 2023.
2. PhD examiner at Dept. of Biosciences & Biomedical Engineering- IIT Jodhpur , 30<sup>th</sup> Oct, 2023.

### **National/ International Conferences Attended**

1. ACBICON 2023, Kerala, 15<sup>th</sup> - 16<sup>th</sup> Sept 2023.
2. IABSCON 2024, AIIMS, Patna from 22<sup>nd</sup> – 26<sup>th</sup> Feb, 2024.
3. International Association of Forensic Sciences Congress, University of Technology Sydney, 19<sup>th</sup> Nov – 23<sup>rd</sup> Nov 2023
4. EuroMedLab 2023, 21<sup>st</sup> -25<sup>th</sup> May 2023 (Online)

**Name of Faculty: Dr. Dharmveer Yadav**

**Designation: Additional Professor**

**Workshops/ Conferences Organized**

1. Organizing Secretary of North Zone ACBICON 2024, AIIMS Jodhpur, 1<sup>st</sup>- 2<sup>nd</sup> Feb 2024, Jodhpur
2. Member of organizing committee of IFCC Workshop on 'Flow cytometry -Basics to monitoring in Immunodeficiencies', 6<sup>th</sup> - 9<sup>th</sup> November 2023, Jodhpur.
3. Member of organizing committee of 3rd Mammalian Cell Culture Workshop 2024, 11<sup>th</sup> - 16<sup>th</sup> March 2024, Jodhpur

**Paper Presented**

1. Comparison of Serum Levels of Klotho in Patients with Nephrotic Syndrome with Age and Gender-Matched Non-Nephrotic Syndrome Controls. CCPSL 8th Annual Academic sessions and Lab Expr 2023, 14<sup>th</sup> July- 15<sup>th</sup> July 2023 Kandy, Sri Lanka.
2. Presented Poster under "Research and Audit Category" in the Annual Academic Sessions of College of Chemical Pathologist of Sri Lanka, 14<sup>th</sup> July- 15<sup>th</sup> July 2023 Kandy, Sri Lanka
3. Association of Vitamin D and Calcium metabolism related biomarkers with severity and mortality in SARS-CoV-2 Patients. Worldlab-Euromedlab Roma, May 2023, Italy.
4. Assessment of Iron, Copper, Lead and Cadmium metals level in Schizophrenia Patients: An Indian Study. LEADCON 2023, May 2023, Tirupati, Andhra Pradesh.
5. Association of surface expression of Toll like receptor 4 in patients with schizophrenia- A case control study. 49th ACBI Conference, September 2023, Kerala.

**Sessions Chaired**

1. Chaired Scientific Session in North Zone ACBI 2023, AIIMS Bilaspur, 26<sup>th</sup> – 28<sup>th</sup> April, 2023, Bilaspur, HP
2. Chaired Scientific Session in LEADCON 2023, 06th May 2023, Tirupati, Andhra Pradesh
3. Chaired Scientific session 49th ACBICON 2023, 11<sup>th</sup> – 16<sup>th</sup> September 2023, Thiruvananthapuram, Kerala

**Invited lectures**

1. Panelist in Webinar on "Veda's recognition as a source of Reference in AYUSH, Modern Medicine, Pharmacopeia & Diagnostic Method-III". Jyoti Vidyapeeth Women's University, Jaipur in association with Ministry of Ayush Govt. of India, 23-24<sup>th</sup> June 2023. (Online)

**Research Projects****Ongoing****As Principal Investigator**

1. Comparison of serum levels of Klotho in patients with Nephrotic syndrome with age and gender-matched non-nephrotic syndrome controls. Non funded
2. Assessment of macroprolactinemia in antipsychotic drug induced hyperprolactinemia in patients with Schizophrenia and its effect on drug regimes.
3. A retrospective analysis on quality improvement by Lean six sigma and QGI approach for routine chemistry and immunoassay parameters in the clinical laboratory for a period of one year from October 2021-September 2022: A step towards prime quality with modest expenditure.

4. Evaluation of Toll like receptors 2, 4 and neurotransmitters receptors (Serotonin, Dopamine and Glutamate) and its significance in cognitive behavior changes in Schizophrenia patients.
5. ICMR Taskforce on establishment of Reference Intervals in Indian Population (TERIIP).
6. Assessment of SIRT- 1 (sirtuin- 1), CTNND- 1(cadherin associated protein delta 1), CXCL-1 (chemokine ligand -1), CXCL-10 (chemokine ligand-10), RACGAP-1 (RAC GTPase activating protein-1) and their regulatory miRNAs in patients with Schizophrenia.

#### **As Co-Investigator**

1. Predictors of ovarian function reserve in premenopausal patients with breast cancer.
2. Cognitive Functions among patients dependent on Smokeless Tobacco and its association with Cardiovascular Risk factors and Urine Cotinine: A Cross-sectional study from a tertiary care centre.
3. Efficacy and safety of Panchkuta powder in the treatment of dyslipidemia: A randomized open label feasibility trial.
4. Treatment Optimisation for blood Pressure with Single-Pill combinations in India (TOPSPIN)
5. Assessment of Neurocognitive Functions in patients dependent on Natural Opium.
6. Association of Sexual Dysfunction and its correlates among male patients dependent on Natural Opium seeking treatment from a tertiary care centre.
7. Acinar Cell Density and Fibrosis Scoring in Post Pancreatico-duodenectomy specimen for malignancies and its correlation with post operative Pancreatic Exocrine and Endocrine Insufficiency- A Pilot Study.
8. Pilot study to correlate pancreatic remnant volume following pancreatico –duodenectomy with pancreatic exocrine and endocrine insufficiency.
9. Outpatient Treatment with Anti-Coronavirus Immunoglobulin (ITAC – INSIGHT clinical trial)
10. Efficacy and Safety of Voglibose Vs Glimepride in combination with Metformin in type 2 Diabetes mellitus: a Randomized Controlled Trial.
11. Randomised clinical trial for efficacy and safety of Saroglitazar in T2DM. Assessment of some important biomarkers in hypertensive patients: An analytic cross-sectional study.
12. Effectiveness of Diabetes Registry on Quality of Care and Clinical Outcomes of Diabetes Mellitus patients of Rural and Urban health centres of AIIMS Jodhpur – An interventional operation research.
13. Cognitive Functions among patients dependent on Smokeless Tobacco and its association with Cardiovascular Risk factors and Urine Cotinine: A Cross-sectional study from a tertiary care centre.
14. Pilot study to correlate pancreatic remnant volume following pancreatico – duodenectomy with pancreatic exocrine and endocrine insufficiency.
15. Role of newer ischemic biomarker in suspected intestinal ischemia.

#### **Completed**

##### **As Principal Investigator**

1. Evaluation of Toll like receptors 2, 4 and neurotransmitters receptors (Serotonin, Dopamine and Glutamate) and its significance in cognitive behavior changes in Schizophrenia patients.
2. Role of miRNA in Regulation of  $\alpha$ -Klotho Gene Expression and its Circulatory Levels in Schizophrenia
3. Analysis of trace elements complement factors and coagulation profile in outcome of COVID 19 patients- a prospective case-control study
4. A study of TNF-alpha and blood metal profile in schizophrenia.

**As Co-Investigator**

1. A randomized, placebo-controlled study on effect of alpha glucosidase inhibitors on glycemic control and variability in patients of Type 1 Diabetes mellitus.
2. Chlorthalidone v/s Hydrochlorthaizide in combination of Telmisartan in Hypertensive Patients: A Randomized controlled trial.
3. Pre-Nephrectomy renal functional reserve and its correlation with renal compensation following donor nephrectomy.
4. Evaluation of acute and chronic effects of donor nephrectomy on bone mineral metabolism and cardiovascular outcome.
5. Association of low bone mineral density with renal calculi disease and its correlation with 24hr urine metabolic profile.
6. Efficacy and safety of Punarnavadi Mandura alone and its combination with Drakshavaleha compared to iron folic acid in the treatment of iron deficiency anemia among non-pregnant women of reproductive age group: A community based three arm multicenter randomized controlled trial.

**Fellowship/Membership**

1. Life Member; Indian Society for Lead Awareness & Research (InSLAR)
2. Selected for the Life membership; National academy of Medical Sciences(NAMS)
3. Elected as North Zone Council Member; Association of Clinical Biochemists of India.
4. Associate Editor; Indian Journal of Clinical Biochemistry.
5. Secretary; Rajasthan Society for Association of Clinical Biochemists of India.

**Examinership**

1. MBBS Practical examination as external examiner at Government Doon Medical College, Dehradun, 28<sup>th</sup> November – 2<sup>nd</sup> December 2023.
2. MBBS Practical examination as external examiner at AIIMS Bilaspur, 6<sup>th</sup> – 8<sup>th</sup> November 2023.
3. Practical & Viva of MD Biochemistry and M.Sc. Part II Examination as external examiner at JLN Medical College, Ajmer, 22<sup>nd</sup> July 2023
4. Ph.D. Viva-Voce Examination, Suresh Gyan Vihar University, 28<sup>th</sup> December 2023

**Awards**

1. Awarded as Best Zonal Council Member of ACBI. 49th ACBICON 2023", Thiruvananthapuram, Kerala from 11<sup>th</sup> – 16<sup>th</sup> September 2023

**National/ International Conferences attended:**

1. North Zone ACBI 2023, AIIMS Bilaspur, 26<sup>th</sup> - 28<sup>th</sup> April 2023
2. LEADCON 2023" at Tirupati, Andhra Pradesh, 06th May 2023
3. CCPSL 8<sup>th</sup> Annual Academic sessions and Lab Expr 2023, Kandy, Sri Lanka, 14<sup>th</sup> – 15<sup>th</sup> July 2023
4. 49th ACBICON 2023", Thiruvananthapuram, Kerala, 11<sup>th</sup> – 16<sup>th</sup> September 2023
5. Organizing Secretary of North Zone ACBICON 2024 held at AIIMS Jodhpur, from 1<sup>st</sup> Feb to 2<sup>nd</sup> Feb 2024.



6. Webinar on “Veda’s recognition as a source of Reference in AYUSH, Modern Medicine, Pharmacopeia & Diagnostic Method-III”, Jyoti Vidyapeeth Women’s University, Jaipur in association with Ministry of Ayush Govt. of India, 23<sup>rd</sup> -24<sup>th</sup> June 2023.
7. Attended and member of advisory committee at “Sickle Cell Disease and Rare Genetic Disorders: Achieving Mission SCD Elimination-2047”, Organized By Department of Biotechnology, Central University Of Rajasthan in collaboration with ADEETECHGENE BIOTECH PVT LTD, Pune, 21<sup>st</sup> -23<sup>rd</sup> August 2023

#### **Any Other Information:**

1. Faculty In-charge of Paramedical Courses at AIIMS, Jodhpur
2. Member of Institutional Animal Ethics Committee.
3. Member of Institutional Purchase Committee.
4. Member of Institutional quotation evaluation Committee.
5. Member of Institutional Linen Verification Committee
6. Member of Document verification committee.
7. Member of Furniture verification committee.
8. Member of CSR- Corporate Social Responsibility committee

**Name of Faculty: Dr. Shailja Sharma**

**Designation: Additional Professor**

#### **Books/Chapters**

1. Yoga Essentials for Medical and Nursing Students, 1st edition (2022), ISBN: 978-93-5659-442-5, All India Institute of Medical Sciences Jodhpur

#### **Invited Lectures**

1. Lead & Epigenetics. Leadcon2023, 5<sup>th</sup> -6<sup>th</sup> May 2023, Tirupathy
2. Lead an emerging global problem, AIIMS-metallica, CME & Hands on workshop on trace metal analysis in human samples, AIIMS Manglagiri, 22<sup>nd</sup> July 2023, Manglagiri

#### **Paper Presented**

1. Association of Lead (Pb), Nrf2, and miRNA-31 in occupationally Pb exposed Population. ACBICON2023, 13<sup>th</sup> -16<sup>th</sup> Sept 2023, Kerala, Thiruvananthapuram
2. Association of Lead & Nrf2 In Occupationally Lead Exposed Workers. XXV IFCC-EFLM EuroMedLab Congress, May 21<sup>st</sup> -25<sup>th</sup> , 2023 Rome, Italy
3. Association of Pb & Redox sensitive transcription factors in occupationally Pb exposed population, 8th Annual Academic session 2023, 14<sup>th</sup> -15<sup>th</sup> July 2023, CCPSLM , Kandy, Srilanka
4. Lead an emerging global problem, AIIMS-metallica, CME & Hands on workshop on trace metal analysis in human samples, 22<sup>nd</sup> July 2023, AIIMS Manglagiri
5. Epigenetics & Pb Exposure, LeadCON2023, 5<sup>th</sup> -6<sup>th</sup> May 2023, Tirupathy
6. North Zone ACBICON 2023, 25<sup>th</sup> -28<sup>th</sup> April 2023, AIIMS Bilaspur

### Awards

1. 1st Prize (Research Category) poster presentation. Association of Pb & Redox sensitive transcription factors in occupationally Pb exposed population, 8th Annual Academic session 2023, CCPSLM, Kandy, Sri Lanka, 14<sup>th</sup> -15<sup>th</sup> July 2023

### Membership Of Scientific Associations

1. Life member; Association of Clinical Biochemists of India (ACBI)
2. Life member; Indian Society of Lead Awareness and Research (InSLAR)
3. Vice President; ACBI
4. Member; American Association of Clinical Chemistry (AACC)
5. Member ; Royal Society of Biology
6. Member; National Academy of Medical Sciences

### Resource Faculty

1. Organizing Committee member of 3rd Mammalian Cell Culture Workshop 2024, AIIMS Jodhpur, 11<sup>th</sup> – 16<sup>th</sup> March 2024, Jodhpur, Rajasthan
2. Organizing Committee member of North Zone ACBICON 2024, AIIMS Jodhpur, 1<sup>st</sup> – 3<sup>rd</sup> February 2024, Jodhpur, Rajasthan
3. Organizing Committee member of IFCC Workshop on 'Flow cytometry -Basics to monitoring in Immunodeficiencies', AIIMS Jodhpur, 6<sup>th</sup> – 9<sup>th</sup> November 2023, Jodhpur, Rajasthan
4. Organizing Committee Member of International Lab Professionals week - Lab professionals- The Heroes in the background, AIIMS Jodhpur, 24<sup>th</sup> – 29<sup>th</sup> April 2023, Jodhpur, Rajasthan

### Research Projects

#### Principal Investigator

1. Effect of blood lead levels on Plasmacytoid Dendritic Cell development and function in school going children of Jodhpur
2. miRNA 222, 210, 146a expression in occupationally heavy metal (Pb & Cd) exposed workers
3. Assessment of oxidative, genotoxic, and global epigenetic alterations in occupationally lead exposed workers of Jodhpur
4. DMT1 and Metallothionein 2A polymorphism in lead exposed workers
5. ICMR Task force on Reference Interval in Indian Population. ICMR

#### Co-Investigator

1. Assessment of performing direct bilirubin as a reflex test on total bilirubin levels
2. Correlation of maternal and fetal serum orexin-a level with insulin resistance in GDM patients
3. Randomised clinical trial to study the clinical and serological efficacy of oral apremilast with topical triamcinolone acetonide versus topical triamcinolone acetonide alone in oral lichen planus
4. Maternal serum Netrin-1 and procalcitonin and their association with preeclampsia
5. Characterization of organ specific miRNA expression in human tissues; A pilot study
6. Blood lead levels in antenatal women with iron deficiency anemia and adverse pregnancy outcome: a cross sectional observational study

7. Evaluation of cutaneous hyperandrogenism with anti mullerian hormones and polycystic ovarian morphology in females
8. Metal analysis in oral carcinoma and oral submucosal fibrosis patients
9. Expression of miRNA (miR 187 & miR 146) and their association with pro and anti-inflammatory cytokines (IL-18 & IL-10) and transcriptional factor NF-kB in pregnancies complicated by preeclampsia
10. Immune profile as marker of immunotoxicity of lead in paediatric patients of western India
11. Prospective observational study of ambulatory blood pressure monitoring in Resident doctors and its correlation with melatonin, HsCRP, and cortisol levels
12. microRNA profiling in plasma and its correlation with tumor tissue and clinicopathological parameters in periampullary carcinoma
13. Quality of life, physical & mental well-being with yoga therapy in head & neck cancer patients managed with surgery first as curative intent treatment: a Randomized controlled trial. American Society of Surgical Oncology, 2021-22
14. Efficacy of phenytoin and levetiracetam and CYP2CP/SV2A polymorphism in prevention of early post-traumatic seizures: a prospective randomized placebo-controlled trial. ICMR 2021-2022
15. Effectiveness of Yoga-based Cardiac Rehabilitation (Yoga-CaRe) in heart failure: A Randomized controlled clinical trial abbreviated as Yoga-CaRe-HF-Trial. ICMR 2021-2022

#### **Conferences Attended**

1. North Zone ACBICON 2023, AIIMS Bilaspur, 25<sup>th</sup> -28<sup>th</sup> April 2023
2. Leadcon2023, Tirupathy, 5<sup>th</sup> -6<sup>th</sup> May 2023
3. 8th Annual Academic session, CCPSLM, Kandy, 14<sup>th</sup> -15<sup>th</sup> July 2023
4. AIIMS-metallica, CME & Hands on workshop on trace metal analysis in human samples, AIIMS Manglagiri, 22<sup>nd</sup> July 2023
5. XXV IFCC-EFLM EuroMedLab Congress, Rome, Italy, May 21<sup>st</sup> -25<sup>th</sup> , 2023
6. ACBICON2023, Kerala, Thiruvananthapuram, 13<sup>th</sup> -16<sup>th</sup> Sept 2023
7. Workshop on Proteomics and medical applications, ACBICON2023, Kerala, Thiruvananthapuram, 13<sup>th</sup> -16<sup>th</sup> Sept 2023

**Name of Faculty: Dr. Shrimanjanath Sankanagoudar**

**Designation: Additional Professor**

#### **Papers Presented**

1. Sankanagoudar S, Agrawal K, Syiemlieh A, Shukla R. Association between serum bone-specific alkaline phosphatase level and metabolic dyslipidemia in type 2 diabetes mellitus: A case-control study. Ind J Clin Biochem. 2023;38 (S1):72. Published on September 2023. 49th Annual Conference of Association of Clinical Biochemists of India (ACBICON 2023), 13<sup>th</sup> -16<sup>th</sup> September 2023, Thiruvananthapuram, Kerala.
2. Sankanagoudar S, Syiemlieh A, Tomo S, Sharma PP, Banerjee M, Sharma P. LDL cholesterol at different range of total cholesterol – when to calculate and when to measure? 60th Annual Scientific Conference, Australasian Association of Clinical Biochemistry and Laboratory Medicine (AACB), October 17<sup>th</sup> -19<sup>th</sup> , 2023, Brisbane, QLD, Australia.

3. Sankanagoudar S. Calculated LDL Cholesterol: Beyond Friedewald Formula. North Zone ACBI Conference, Feb 1<sup>st</sup> -2<sup>nd</sup> , 2024, AIIMS Jodhpur.
4. Syiemlieh A, Sankanagoudar S, Sharma N, Chaudhary RK, Shukla RK, Shukla KK, Banerjee M. Expression of branched-chain amino acid metabolism pathway genes and their association to metabolic dyslipidemia in Indian population with type 2 diabetes mellitus: A cross-sectional study. Ind J Clin Biochem. 2023;38 (S1):59. Published on September 2023. 49th Annual Conference of Association of Clinical Biochemists of India (ACBICON 2023, AP# 15), September 13<sup>th</sup> -16<sup>th</sup>, 2023, Thiruvananthapuram, Kerala.
5. Tomo S, Sankanagoudar S, Banerjee M. Glycerol blanked vs non-blanked Triglyceride assays in patients with Diabetes Mellitus. North Zone ACBI Conference, Feb 1<sup>st</sup> -2<sup>nd</sup> , 2024, AIIMS Jodhpur.
6. Gunashekar M, Sankanagoudar S, Patra S. Decoding follicular occlusion: A cross-sectional epidemiological and immunomicrobiological study of 81 cases. Dermacon 2024, February 22<sup>nd</sup>-25<sup>th</sup> , 2024, Hyderabad.

### Sessions Chaired

1. Chairperson for Scientific Sessions at North Zone ACBI Conference 2024, AIIMS Jodhpur, 1<sup>st</sup> – 2<sup>nd</sup> February 2024, Jodhpur

### Invited Lectures

1. Sankanagoudar S. Calculated LDL Cholesterol: Beyond Friedewald Formula. North Zone ACBI Conference, AIIMS Jodhpur, 1<sup>st</sup> -2<sup>nd</sup> Feb 2024, Jodhpur.

### Research Projects

#### Ongoing

#### As Principal Investigator

1. Exploring the branched-chain amino acids (BCAA) metabolism pathway genes in breast cancer: A case control study. Intra-mural
2. Validation of different formulas for calculated LDL-Cholesterol in fasting and non-fasting blood samples. Non-funded

#### Co-Investigator

1. Endothelial Glycocalyx degradation in Paediatric Dengue infection and its association with severity of illness. Intra-mural
2. Prospective study to look at the profile of cutaneous livedoid vasculopathy cases in tertiary care centre in western India. Intra-mural
3. Histo-morphometry of placenta, pro-inflammatory cytokines levels and IL6 gene expression in pre-gestational obese pregnant women without any history of chronic disease or pregnancy induced complications. Intra-mural
4. Assessment of performing direct bilirubin as a reflex test on total bilirubin levels. Non-funded
5. Comparison of the estimated Triglyceride and Triglyceride corrected for Glycerol interference in Diabetes mellitus patients. Non-funded
6. ICMR Task force on Reference Interval in Indian Population. ICMR

**Completed****As Principal Investigator**

1. Association between serum bone-specific alkaline phosphatase level and metabolic dyslipidemia in type 2 diabetes mellitus: A case-control study. ICMR STS Project.

**As Co-Investigator**

1. Retrospective analysis of quality improvement through Lean Six Sigma and QGI approach on routine biochemistry and immunoassay parameters for a period of one year: A step towards prime quality with modest expenditure. Non-funded

**Examinership**

1. Internal Examiner for conduct of 1st Professional MBBS (Batch 2021) Supplementary practical examination April – 2023, AIIMS Jodhpur, 17<sup>th</sup> – 20<sup>th</sup> April 2023.
2. External Examiner by the Rajasthan University of Health & Sciences (RUHS), Jaipur to conduct the Practical Examination of MD (Main) Examination July-2023 in Biochemistry and M.Sc. (Med) exam July 2023 (Biochemistry), Dr. S. N. Medical College, Jodhpur, 17<sup>th</sup> – 18<sup>th</sup> July 2023.
3. External Examiner for conduct of First M.B.B.S. Professional Examination (Regular) – November, 2023, All India Institute of Medical Sciences (AIIMS) Mangalagiri, 22<sup>nd</sup> – 25<sup>th</sup> November 2023, Andhra Pradesh.
4. External Examiner for conduct of First M.B.B.S. Professional Examination (Regular) – December, 2023, Jawaharlal Institute of Postgraduate Medical Examination and Research (JIPMER) Puducherry, 11<sup>th</sup> – 14<sup>th</sup> December 2023.

**National/International Conferences Attended**

1. 60th Annual Scientific Conference, Australasian Association of Clinical Biochemistry and Laboratory Medicine (AACB), 17<sup>th</sup> -19<sup>th</sup> October 2023, Brisbane, QLD, Australia.
2. 49th Annual Conference of Association of Clinical Biochemists of India (ACBI), 13<sup>th</sup> -16<sup>th</sup> September 2023, Thiruvananthapuram, Kerala, India.
3. Proteomics and Medical Applications (PMA) workshop conducted at Rajiv Gandhi Centre for Biotechnology (RGCB), 13th September, 2023, Thiruvananthapuram, Kerala.
4. Biochemistry Update 2023, Department of Biochemistry, Sardar Patel Medical College (SPMC), 28<sup>th</sup> April, 2023, Bikaner.

**Any other information**

1. Certificate of Appreciation in Recognition of Exceptional Guidance as the Mentor for securing PG Thesis Grant for the student, 1st Annual Research Day Celebration on 13th January 2024, AIIMS Jodhpur.
2. Certificate of Appreciation for Noteworthy Research Contribution for Authoring Chapters in Books, 1st Annual Research Day Celebration on 13th January 2024, AIIMS Jodhpur.
3. Successfully completed 4 days training programme on “Laboratory Management Systems and Internal Audit as per IS/ISO 15189:2022” held at AIIMS Jodhpur, 26<sup>th</sup> – 29<sup>th</sup> July, 2023.

**Name of Faculty: Maithili Karpaga Selvi N**

**Designation: Associate Professor**

**Invited Lectures**

1. Speaker in the third Mammalian Cell Culture workshop on western blotting technique, 11<sup>th</sup> -16<sup>th</sup> March 2024, AIIMS Jodhpur, Rajasthan

**Research Projects**

**Ongoing**

**Principal Investigator**

1. Screening of KRAS mutation in circulating tumour DNA (ctDNA) of colorectal cancer and its association with clinico-pathological outcome. Intramural
2. Protective effect of Boerhavia diffusa extract on cardiotoxicity and nephrotoxicity in adenine-induced chronic kidney disease in Wistar Rats. Non-funded

**Co- Investigator**

1. ICMR Task force on Reference Interval in Indian Population. Funding agency – ICMR

**Completed**

**Principal Investigator**

1. Genetic predisposition to methylglyoxal (MGO) toxicity and its association with targeted metabolites and glyco-oxidative stress in diabetic nephropathy DST-SERB (File Number: EEQ/2020/000081)
2. Preventive effect of Boerhavia diffusa extract in Cisplatin (CSP) induced nephrotoxicity in Wistar Rats. Non-funded

**Membership/Post in Journal or Society or Association**

1. Life Member; Association of Clinical Biochemists of India (3908/LM/JOUR)
2. Life Member; Indian Academy of Biomedical Sciences (337/22)
3. National M.Sc Medical Teachers Association (NMMTA) (2020/LM/RJ/BIOC/408)
4. Editorial Board Member; Journal of Pharmaceutical Negative Results (2022-2023)
5. Editorial Board Member; Journal of Young Pharmacists (2022-2023)

**National/International Conferences Attended**

1. Participated and presented a paper in the 63rd Annual Conference of NAMSCON, Ramaiah Medical College, Bangalore, 6<sup>th</sup> – 8<sup>th</sup> October 2023
2. Participated and presented a paper in the North Zone ACBI conference, AIIMS Jodhpur, 1<sup>st</sup> – 2<sup>nd</sup> February 2024
3. Participated and presented a paper at the IABSCON conference, AIIMS Patna, 23<sup>rd</sup> – 25<sup>th</sup> February 2024
4. Attended the workshop on systematic review and Meta-Analysis, NAMSCON conference, 6<sup>th</sup> October 2023
5. Attended the workshop on Medical Education, IABSCON conference, 22<sup>nd</sup> February 2024

**Name of Faculty: Dr. Sojit Tomo**

**Designation: Assistant Professor**

#### **Papers Presented**

1. Tomo S, Gopalakrishnan M, Banerjee M. Ceramide kinase expression in Rheumatoid Arthritis and Systemic Lupus Erythematosus: A bioinformatic analysis, presented virtually oral presentation, 17th Annual Scientific Sessions of College of specialists in rheumatology and rehabilitation, 28<sup>th</sup> – 29<sup>th</sup> October 2023, Colombo, Sri Lanka
2. Tomo S, Gopalakrishnan M, Banerjee M. Sphingosine -1-phosphate phosphatase expression in SLE when compared with other connective tissue disorders: A bioinformatic analysis, presented poster at the International Conference of Chinese Rheumatologists in Hong Kong from 25th to 26th of November 2023.
3. Tomo S, Gopalakrishnan M, Banerjee M. Increased expression of pro-inflammatory Siglec receptors and decreased expression of anti-inflammatory Siglec receptors in patients with Systemic Lupus Erythematosus: A bioinformatic analysis, presented poster at the 46th All India Cell Biology Conference (AICBC 2024) held at ACTREC, 10<sup>th</sup>-12<sup>th</sup> January 2024, Navi Mumbai.
4. Tomo S, Rathore M, Gopalakrishnan M, Sankanagoudar S, Banerjee M, Sharma P. Glycerol blanked vs non-blanked Triglyceride assays in patients with Diabetes Mellitus, presented oral presentation at North Zone ACBI Conference 2024 being organized by Department of Biochemistry, All India Institute of Medical Sciences, Jodhpur under the aegis of Rajasthan Society for Association of Clinical Biochemists of India, 1<sup>st</sup> -3<sup>rd</sup> February 2024, Jodhpur.

#### **Sessions Chaired**

1. Chaired Student oral presentation session at North Zone ACBI Conference 2024 being organized by Department of Biochemistry, All India Institute of Medical Sciences, Jodhpur under the aegis of Rajasthan Society for Association of Clinical Biochemists of India, 1<sup>st</sup> -3<sup>rd</sup> February, 2024, Jodhpur

#### **Research projects**

##### **Ongoing**

##### **Principal Investigator**

1. Assessment of performing direct bilirubin as a reflex test on total bilirubin levels. Non-Funded
2. Analysis of differential expression of genes of sphingolipid pathway in connective tissue diseases from the existing database: A bioinformatics analysis. Non-Funded
3. Assessment of Sphingosine-1-phosphate pathway in connective tissue disease patients and its association with interstitial lung disease. Intramural

##### **Co-Investigator**

1. Correlation of the expression of CYP1A1, CYP1B1, and GST enzymes and their microRNAs in patients on antitubercular treatment, a case-control study
2. ICMR Task force on Reference Interval in Indian Population. ICMR

## **Completed**

### **Principal Investigator**

1. Comparison of the estimated Triglyceride and Triglyceride corrected for Glycerol interference in Diabetes mellitus patients. Non-Funded

### **Co-Investigator**

1. Association of levels of 8-hydroxydeoxyguanosine (8-OHdG) with PARP-1 expression and PARP-1 variant (rs1136410) in Tuberculosis patients in Jodhpur

### **Fellowship/Membership**

1. Life Member; Indian Society of Primary Immune Deficiency

### **Awards**

1. Awarded International Travel Bursary by Hong Kong Society of Rheumatology to attend and present at International Conference of Chinese Rheumatologists in Hong Kong, 25<sup>th</sup> – 26<sup>th</sup> November 2023
2. Awarded 2nd for Research Output and Impact based on H-index among Assistant Professors at First Research Day at All India Institute of Medical Sciences, Jodhpur

### **National/International Conferences Attended**

1. Attended International Conference of Chinese Rheumatologists in Hong Kong from 25<sup>th</sup> -26<sup>th</sup> November 2023
2. Attended 46th All India Cell Biology Conference (AICBC 2024), ACTREC, Navi Mumbai, 10<sup>th</sup> -12<sup>th</sup> January 2024



## Department of Burns and Plastic Surgery

S. No.	Name	Designation
1	Dr. Prakash Chandra Kala	Additional Professor and Head
2	Dr. Pawan Kumar Dixit	Associate Professor
3	Dr. Deepti Katrolia	Assistant Professor
4	Dr. Shilpi Karmakar	Assistant Professor
5	Dr. Rohit Kumar Rai	Assistant Professor (Trauma & Emergency)

### About the department

Department of Burns and Plastic surgery department completed its eighth year since inception. The department is actively involved with patient care, academic and research activities. Currently, the department has five faculties and six academic and one non-academic senior residents.

The Department of Burns and Plastic surgery provides diagnosis, management, and follow-up of patients of oncoreconstruction, orthoreconstruction, trauma- reconstruction, post burn sequel, hand, brachial plexus injury, facial palsy, craniofacial anomalies, vascular malformation, tendon and nerve injuries. The department provided intraoperative reconstructive assistances in 164 procedures to various departments, such as surgical oncology, gastrosurgery, orthopaedics, general surgery, ENT, OMFS, CTVS, obstetrics and gynaecology. Departmental OPD runs six days a week (Monday to Saturday). The department policy is to first evaluate the patients on the OPD basis, who may need any surgical intervention and then admit them through the waiting list, except patients of acute trauma. Comprehensive medical education and various programs of clinical and basic research are an integral part of the departmental curriculum. Once weekly seminars, case discussion, operative chat and journal club are held for resident education, in addition to clinical teaching in during rounds, and in operation theatres and OPD. Regular assessment and feedback sessions are conducted to reinforce learning and keep the postgraduate students motivated. Residents also attended online webinars and classes in collaboration with different institutes, besides the regular teaching sessions in our department. The department has been actively involved in undergraduate teaching and training. The faculty participate in integrated classes with general surgery and other departments in undergraduate teaching. There has been a constant effort from department to increase the awareness of the vast field of plastic surgery among medical students. A one-year fellowship programme in microsurgery is instituted. AIIMS Jodhpur has been among the top choices for M.Ch. Plastic Surgery aspirants. Several research projects were carried out in the department after approval by institutional ethical committee. Many papers were presented in various International and National conferences by faculty members and residents, some of which were also awarded. The residents won second prize in quiz conducted by Association of Plastic Surgeons of India (APSICON 2023), second and third prize in paper presentation in RajAPSICON 2023 and first and second prize in poster presentation in RajAPSICON 2023. During this period, 12 papers were accepted and published in Pubmed indexed journals and 9 in non-Pubmed indexed. Over the years, the department has strengthened its services and has raised standards in patient care, education and research. Significant work is being done in the field of reconstruction of cancer and traumatic defects, correction of congenital and acquired deformities and giving aesthetic services. Number of microsurgical reconstructions or free flaps have significantly increased. In the department 96 free flaps were performed in this year. The department is on the path of becoming centre of excellence in

microsurgical reconstructions, hand surgeries, brachial plexus surgeries, and other reconstructive procedures. The department has also been at the forefront of patient education. More complicated free flaps are performed now, like SCIP, DIEP, DCIA free flap. Also, surgeries are done for cerebral palsy, brachial plexus palsy, craniofacial remodelling and lymphedema. There has been a constant effort from the department to increase awareness of the vast field of plastic surgery among public. Public awareness programs have been organized through radio interviews and online webinars to create awareness among the masses. Outreach programs to schools and factories have been organized for increasing awareness and disseminating information. The Department is committed to provide high quality services in all the spheres.

### **Compiled list of Publications of the department:**

#### **Papers**

##### **Pubmed Indexed :**

1. Kohli A, Dave A, Dixit P, Katrolia D, Kumar P, Kala PC. Efficacy of novel, three jaw adventitia holding microclamps compared to Acland microclamps in patients undergoing end-to-end microvascular anastomosis: A randomized control trial. *J Plast Reconstr Aesthet Surg.* 2023;87:69-77. doi: 10.1016/j.bjps.2023.09.022.
2. Ganesan A, Kaur A, Dixit PK, Nalwa A, Chaudhry K. Heterotopic Ossification After Reconstruction with Free Fibula Flap - an Ambiguous Mishap. *Indian J Otolaryngol Head Neck Surg.* 2024 Feb;76(1):1234-1236. doi: 10.1007/s12070-023-04234-x.
3. Manjunathan S, Agarwal S, Saini L, Tiwari S, Bains A, Shakrawal J, Aggarwal D, Dixit PK. Phenytoin-induced Purple Glove Syndrome Unraveling the Puzzle of Friable Hair and Seizures in an Infant. *Indian J Pediatr.* 2023 Jul 28. doi: 10.1007/s12098-023-04781-9.
4. Das KN, Sharma V, Dixit PK, Krishna S, Nalwa A, Soni K, Goyal A. The Colossal Mandibular Ameloblastoma: Surgical Challenges and Current Perspectives of Management. *J Maxillofac Oral Surg.* 2023;22:1166-1171. doi: 10.1007/s12663-023-01998-1.
5. Karmakar S, Kala PC, Humnekar A. The curious case of milk collection under skin graft over the breast: Lessons learned! *J Postgrad Med.* 2024;70:53-55. doi: 10.4103/jpgm.jpgm\_969\_22.
6. Rathod DKK, Sharma A, Sharma N, Kaushik A, Karmakar S. Takotsubo cardiomyopathy following head and neck surgery: Can the fear of disfigurement be blamed? *Saudi J Anaesth.* 2023;17:419-22. doi: 10.4103/sja.sja\_906\_22.
7. Karmakar S, Singla P. An unreported variation of origin of posterior tibial artery encountered during free fibula flap harvest. *Ann Plast Surg.* 2023;91:101-3. doi: 10.1097/SAP.0000000000003577.
8. Sharma N, Karmakar S, Rana L, Dhiman U. Schwannoma of Posterior Interosseous Nerve : A Case Report and Review of Literature. *World J Plast Surg.* 2023;12:86-9. doi: 10.52547/wjps.12.1.86.
9. Humnekar A, Kala P C, Dixit P K, Katrolia D, Karmakar S, Singh AP, Singla P. Post-COVID-19 Rhino-Orbito-Maxillary Mucormycosis Defect: Our Surgical Experience with Single Stage Delayed Reconstruction Using Free Flap. *Indian Journal of Plastic Surgery (efirst).* doi:10.1055/s-0044-1785489
10. Singla P, Dixit PK, Kala PC, Katrolia D, Karmakar S, Humnekar A, Singh A. Free Flap Monitoring Using Infrared Thermography: An Objective Adjunct to Clinical Monitoring. *Indian Journal of Plastic Surgery (efirst).* doi:10.1055/s-0044-1786742

##### **Non PubMed indexed**

Kala P, Dave A, Dixit PK, Katroia D. Giant chest wall lipoma in an adult male masquerading as unilateral gynecomastia. Int J Sci Res. 2024;13(4)

Dixit PK. Outcome of Nerve Transfers by Posterior Approach for Shoulder Restoration in Upper Brachial Plexus Injuries. Clinical Journal of Plastic and Reconstructive Surgery 2023;1(1):13–18.

Deepti K, Shilpi K, Prakash Chandra K, Pawan Kumar D. Feeding habits in cleft lip and palate patients – advantages and disadvantages. Ann Clin Case Rep. 2024;9:2557

Katrolia D, Karmakar S, Choudhary N, Kala PC. Central polydactyl of foot too trivial to target. Int J Sci Res. 2024;13(4)

Katrolia D, R Saradha. Ulnar Digital Artery Perforator Flap- An Innovative Reconstructive Option for Palmar Defect Post Dupuytren's Contracture Fasciectomy. Ann Clinic Case Rep. 2024;9(1):2555

Katrolia D. The galeal Pericardial flap for reconstruction of lateral forehead defect. J Sci Res. 2024;13(4)

Karmakar S, Rai RK, Yadav GD, Singh PK, Kumar V. High-voltage Electric Burns: Experience from a Single Centre in North India. Clinic J Plast Reconst Surg. 2023;1(2):37–44

### Workshops/ Conferences Organized

1. RajAPSICON 2023. Department of Burns and Plastic Surgery, AIIMS, Jodhpur, 5<sup>th</sup> – 6<sup>th</sup> August 2023.



Group photograph of delegates at RajAPSICON

2. The department organized a public awareness camp at a government school in the city.





Resource faculty of department at awareness camp

3. The department represented in 12th Congress of the World Society for Microsurgery on 17<sup>th</sup> to 19<sup>th</sup> August 2023 at Singapore.



### Young enthusiastic audience during the engaging session

4. The residents of department won the second position in quiz at the annual conference of Association of Plastic Surgeons of India (APSICON 2023) held from 26<sup>th</sup> to 30<sup>th</sup> December 2023 at Indore.



Residents participation in Quiz session at APSICON 2023

**Name of Faculty: Dr. Prakash Chandra Kala**

**Designation: Additional Professor**

#### Papers Presented

Kala PC. Post Covid-19 Rhino- Orbito - Maxillary Mucormycosis defect – Our experience with single stage delayed reconstruction using free flap. 12th Congress of the World Society for Microsurgery, 17<sup>th</sup> – 19<sup>th</sup> August 2023, Singapore.

#### Sessions Chaired

1. Reconstructive Microsurgery. 6<sup>th</sup> Congress of Asia Pacific Federation of Surgeons, 8<sup>th</sup> – 10<sup>th</sup> March 2024, Gurugram
2. 16<sup>th</sup> Biennial conference of Indian society for Reconstructive Microsurgery, 7<sup>th</sup> March 2024, Gurugram
3. Operative video workshop. Onco-Video-Recon 2023, Tata Memorial Hospital, 14<sup>th</sup> – 16<sup>th</sup> July 2023, Mumbai
4. 'Free Paper Session'. RajAPSICON 2023, AIIMS Jodhpur, 5<sup>th</sup> August 2023, Jodhpur.

#### Research Project:

**Ongoing:**

**As Principal Investigator**

1. Aesthetic and functional outcome after free toe pulp flap versus cross finger flap for finger pulp reconstruction: a randomized prospective study
2. Free flap reconstruction in patients with head and neck malignancies: complication, technique, outcomes, complication and management.
3. A comparative study between the outcome of patients undergoing maxillary reconstruction following post mucormycosis and post onco defects

#### **As Co-Investigator**

1. Use of mobile health application to train primary health center staff in acute management of burn injury patients in Jodhpur, Rajasthan. Extramural funded by ICMR
2. To analyze the pattern of recovery after repair in median, ulnar and combined median and ulnar nerve injury: a prospective observational study.
3. To study the retrospective and prospective analysis of digital total active motion after phalangeal fracture fixation; a comparative study.
4. A study of Perforator flaps for burn reconstruction of hand and foot. Non-funded

#### **Completed:**

#### **As Principal Investigator**

1. Post Covid-19 Rhino-orbito-maxillary mucormycosis defect- Our surgical experience with single stage delayed reconstruction using free flap. Non-funded

#### **As Co-Investigator**

1. Double blind, randomized control trial to compare the efficacy of Shira micro-clamps and Acland micro clamps. Non-funded
2. Randomized, multi-centric, comparative, blinded, parallel group, prospective study to determine clinical efficacy and safety of Theruptor sterile barrier wound dressing of Carenow in comparison with Bactigras of Smith & Nephew and Allevyn of Smith & Nephew on wound healing in patients with chronic infected wounds.
3. The functional and aesthetic outcome of groin/abdomen and PIA flap: a comparative study. Non-funded

#### **Examinership**

1. Internal Examiner, M.Ch exit examination, Department of Burns and Plastic Surgery, AIIMS Jodhpur, December 2023.
2. Internal Examiner, M.Ch exit examination, May 2024, Department of Burns and Plastic Surgery, AIIMS Jodhpur.
3. Expert in the Rajasthan Public Service Commission examination.
4. External Examiner for M.Ch. Examination, AIIMS Rishikesh.
5. External Examiner for M.Ch. examination, Gujarat University.
6. External Examiner in the microsurgery fellowship examination.
7. Chief invigilator, INI-CET Exam at Alappuzha, Kerala on 7th May 2023.
8. Chief invigilator, INI-CET Exam at Prithviraj Nagar, Durgapura, Jaipur on 5th November 2023.

9. Chief invigilator, Nursing officer recruitment Common Eligibility Test-5 Examination Noida, Uttar Pradesh on 7th October 2023.

#### **Membership/Post in Journal or Society or Association**

1. Life member; Rajasthan Association of Plastic Surgeons
2. Life member; Indian Society for Reconstructive Microsurgery
3. Member; American Society of Plastic Surgeons
4. Joint secretary; Rajasthan Association of Plastic Surgeons 2022-2024
5. Reviewer; Indian journal of surgical oncology
6. Reviewer; Annals of national academy of medical sciences
7. Reviewer; Journal of orthopedic surgery and research

#### **National/ International Conferences attended**

1. 12th Congress of the world Society for Microsurgery, Singapore, 17<sup>th</sup> – 19<sup>th</sup> August 2023
2. 6th Congress of Asia Pacific Federation of Surgeons in Reconstructive Microsurgery, Gurugram, 8<sup>th</sup> - 10<sup>th</sup> March 2024
3. 16th Biennial conference of Indian society for Reconstructive Microsurgery, Gurugram, 7<sup>th</sup> March 2024.
4. ONCO-VIDEO-RECON 2023 Operative video workshop at Tata Memorial Hospital Mumbai, 14<sup>th</sup> - 16<sup>th</sup> July 2023
5. RAJAPSICON 2023, AIIMS Jodhpur, 5<sup>th</sup> – 6<sup>th</sup> August 2023.

#### **Name of Faculty: Pawan Kumar Dixit**

#### **Designation: Associate Professor**

#### **Papers Presented**

1. Lumbrical activation procedure for dynamic correction of claw hand: outcome and comparative analysis. ISSH Mid-term CME 2023, 5<sup>th</sup>-6<sup>th</sup> May 2023, Srinagar, J & K
2. Dorsal carpal artery perforator flap: Exploring anatomical characteristics and clinical implementation for defects of dorsum of hand. APFSRM 2024 (6th Congress of Asia Pacific Federation of Reconstructive Microsurgeons), 7<sup>th</sup>-10<sup>th</sup> March 2024, Gurugram .

#### **Sessions Chaired**

1. Lower limb session. APFSRM 2024 (6th Congress of Asia Pacific Federation of Reconstructive Microsurgeons), 7<sup>th</sup>-10<sup>th</sup> March 2024, Gurugram.
2. 'Free Paper Presentation'. RajAPSICON 2023, 5<sup>th</sup> August 2023, AIIMS, Jodhpur.

#### **Invited Lectures**

1. Lumbrical activation procedure for dynamic correction of claw hand. ISSHCON 2023 (46th Annual Conference of the Indian Society for Surgery of the Hand), 7<sup>th</sup>-10<sup>th</sup> September 2023, Chandigarh.

## **Research Project:**

### **Ongoing:**

#### **As Principal Investigator**

1. Vascular basis of expandable forearm muscles for proximal and distal based muscle flaps Intramural project funded

#### **As Co-Investigator**

1. Aesthetic and functional outcome after free toe pulp flap versus cross finger flap for finger pulp reconstruction: a randomized prospective study
2. Free flaps reconstruction in patients with head and neck malignancies: techniques, outcomes, complications and management.
3. A study of Perforator flaps for burn reconstruction of hand and foot. Non-funded project
4. To analyze the pattern of recovery after repair in median, ulnar and combined median and ulnar nerve injury: a prospective observational study
5. To study the retrospective and prospective analysis of digital total active motion after phalangeal fracture fixation; a comparative study

### **Completed:**

#### **As Principal Investigator**

1. Outcome of bipolar pectoralis major transfer for elbow flexion in delayed brachial plexus injuries. Non-funded project
2. Implication of increased uses of technology on awareness about plastic surgery in medical undergraduates. Non-funded project
3. The functional and aesthetic outcome of groin/abdomen and PIA flap: a comparative study. Non-funded project

#### **As Co-Investigator**

Double blind, randomized control trial to compare the efficacy of Shira micro-clamps and Acland micro clamps. Non-funded project.

Randomized, multi-centric, comparative, blinded, parallel group, prospective study to determine clinical efficacy and safety of Theruptor sterile barrier wound dressing of Carenow in comparison with Bactigras of Smith & Nephew and Allevyn of Smith & Nephew on wound healing in patients with chronic infected wounds.

Post Covid-19 Rhino-orbito-maxillary mucormycosis defect- Our surgical experience with single stage delayed reconstruction using free flap.

## **Scientific Awards/Patents**

1. Ganga-Ethicon advanced fellowship of hand and microsurgery pursued at Ganga Hospital, Coimbatore, 3<sup>rd</sup> January 2024 – 30<sup>th</sup> January 2024

## **Examinership**

1. Internal Examiner, M.Ch exit examination, December 2023, Department of Burns and Plastic Surgery, AIIMS Jodhpur



2. Internal Examiner, M.Ch exit examination, May 2024, Department of Burns and Plastic Surgery, AIIMS Jodhpur

#### **Membership/Post in Journal or Society or Association**

1. Life member; National Academy of Burns (India)
3. Life member; Indian Association of Aesthetic Plastic Surgeons
4. Reviewer; Indian Journal of Plastic Surgery
5. Reviewer; Indian Journal of Burns
6. Reviewer; Archives of Plastic Surgery
7. Reviewer; Journal of Hand and Microsurgery

#### **National/ International Conferences attended**

1. APFSRM 2023, (6th Congress of Asia Pacific Federation of Reconstructive Microsurgeons), Gurugram, 7<sup>th</sup> -10<sup>th</sup> March 2024.
2. ISSHCON 2023, 46th Annual Conference of the Indian Society for Surgery of the Hand, Chandigarh, 7<sup>th</sup> -10<sup>th</sup> September 2023
3. ISSH Mid-term CME 2023, Midterm CME of Indian Society for Surgery of the Hand, Srinagar, J & K, 5<sup>th</sup> -6<sup>th</sup> May 2023
4. RAJAPSICON 2023, AIIMS, Jodhpur, 5<sup>th</sup> – 6<sup>th</sup> August 2023.

#### **Name of Faculty: Dr. Deepti Katrolia**

#### **Designation: Assistant Professor**

#### **Papers Presented**

1. TAM after phalangeal fracture fixation. APSICON 2023, AIIMS Jodhpur, 5<sup>th</sup> – 6<sup>th</sup> August 2023, Jodhpur
2. Poster on “ ulnar collateral artery perforator flap for Dupuytren’s contracture” APSICON 2023, AIIMS Jodhpur, 5<sup>th</sup> – 6<sup>th</sup> August 2023, Jodhpur

#### **Sessions Chaired**

1. Free Paper Presentation. RajAPSICON 2023, AIIMS Jodhpur, 5<sup>th</sup> August 2023, Jodhpur

#### **Invited Lectures**

1. “Nutrition in cleft lip and palate” at Live operative workshop and CME Cleft lip and palate and craniofacial anomalies. AIIMS Rishikesh, 6<sup>th</sup> -7<sup>th</sup> October 2023, Rishikesh, UK

#### **Research Project:**

##### **Ongoing**

1. To analyze the pattern of recovery after repair in median, ulnar and combined median and ulnar nerve injury: a prospective observational study

2. To study the retrospective and prospective analysis of digital total active motion after phalangeal fracture fixation; a comparative study

#### **As Co-Investigator**

1. Study of perforator flap in hand and foot in burn patient.

#### **Completed**

##### **As Co-Investigator**

1. The functional and aesthetic outcome of groin/abdomen and PIA flap: a comparative study. Non-funded project
2. Double blind, randomized control trial to compare the efficacy of Shira micro-clamps and Acland micro clamps. Non-funded project
3. Post Covid-19 Rhino-orbito-maxillary mucormycosis defect- Our surgical experience with single stage delayed reconstruction using free flap.

#### **Membership/Post in Journal or Society or Association**

1. Member; Association of Plastic Surgeons of India
2. Member; National Academy of Burns- India
3. Member; Indian Society of Reconstructive Microsurgery
4. Reviewer; Indian Journal of Plastic Surgery
5. Reviewer; ePlasty

#### **National/ International Conferences attended:**

1. 57th Annual Conference of Association of Plastic Surgeons of India (APSICON) 2023, Brilliant Convention Centre, Indore, 26<sup>th</sup> -30<sup>th</sup> December 2023.
2. Live operative workshop & CME on Cleft lip and palate and Craniofacial Anomalies, AIIMS, Rishikesh, 2<sup>nd</sup> – 4<sup>th</sup> October 2023.
3. RAJAPSICON 2023, AIIMS Jodhpur, 5<sup>th</sup> – 6<sup>th</sup> August 2023.

**Name of Faculty: Dr. Shilpi Karmakar**

**Designation: Assistant Professor**

#### **Papers Presented:**

1. Study of Outcomes of Perforator flap for burn reconstruction of hand and foot in paediatric patients. 6th Congress of Asian Pacific Federation of Societies for Reconstructive Microsurgery 2024 (APFSRM 2024) and 16th Biennial Conference of Indian Society for Reconstructive Microsurgery, 27<sup>th</sup> – 30<sup>th</sup> March 2023, Leela Ambience, Gurugram.
2. A Study of factors affecting recovery of two-point discrimination in various flaps in different body areas. 57th Annual Conference of Association of Plastic Surgeons of India (APSICON) 2023, 26<sup>th</sup> – 30<sup>th</sup> December 2023, Brilliant Convention Centre, Indore.
3. A study of the pattern of sensory return in various flaps in different body areas. Annual conference of Association of Plastic surgeons of West Bengal, 28<sup>th</sup> -30<sup>th</sup> April 2023, Rotary Club, Kolkata.

**Sessions Chaired:**

1. Free Paper Presentation. RajAPSICON 2023, 5<sup>th</sup> August 2023, AIIMS Jodhpur, Rajasthan.

**Invited Lectures**

1. Unilateral Cleft Rhinoplasty: Going the extra mile. Live operative workshop & CME on Cleft lip and palate and Craniofacial Anomalies, 2<sup>nd</sup> – 4<sup>th</sup> October 2023, AIIMS Rishikesh, UK

**Research Project****Ongoing****As Principal Investigator**

1. A study of Perforator flaps for burn reconstruction of hand and foot. Non-funded project

**As Co-Investigator**

1. To analyze the pattern of recovery after repair in median nerve, ulnar nerve and combined median with ulnar nerve injury: A prospective observational study
2. To study the retrospective and prospective analysis of digital total active motion (TAM) after phalangeal fracture fixation :A comparative study.

**Completed:****As Co-Investigator**

1. Post Covid-19 Rhino-orbito-maxillary mucormycosis defect- Our surgical experience with single stage delayed reconstruction using free flap.

**Scientific Awards/Patents**

1. IX IPRAS National Travelling Fellowship 2021. Presented by Association of Plastic Surgeons during the national conference APSICON 2023, 28<sup>th</sup> December 2023.
2. Best Academic Achievement Award for 2022 by Indian Society for Surgery of the Hand during national conference ISSHCON 2023.
3. Young Researcher Award 2023 by InSc Institute of Scholars.

**Membership/Post in Journal or Society or Association**

1. Life membership; Association for Transgender Health in India (Indian Professional Association of Transgender Health)
2. Life membership; British Society of Antimicrobial Chemotherapy
3. Life membership; Asia Pacific Burn Association
4. Life membership; Indian Society of Peripheral Nerve Surgery
5. Reviewer; Indian Journal of Burns

**National/ International Conferences attended:**

1. ISSVA Debates and Updates 2023 (Hybrid mode)
2. Onco Video Recon 2023 (Hybrid mode)

3. RAJAPSICON 2023, AIIMS Jodhpur, 5<sup>th</sup> – 6<sup>th</sup> August 2023.
4. 6th Congress of Asian Pacific Federation of Societies for Reconstructive Microsurgery 2024 and 16th Biennial Conference of Indian Society for Reconstructive Microsurgery, Leela Ambience, Gurugram, 27<sup>th</sup> – 30<sup>th</sup> March 2023.
5. 57th Annual Conference of Association of Plastic Surgeons of India (APSICON) 2023, Brilliant Convention Centre, Indore, 26<sup>th</sup> – 30<sup>th</sup> December 2023.
6. Live operative workshop & CME on Cleft lip and palate and Craniofacial Anomalies, AIIMS, Rishikesh, 2<sup>nd</sup> – 4<sup>th</sup> October 2023.
7. Annual conference of Association of Plastic surgeons of West Bengal, Rotary Club, Kolkata, 28<sup>th</sup> – 30<sup>th</sup> April 2023.
8. APSI accredited CMEs (Teleseminar) on 'Chest and Abdominal wall Reconstruction'
9. APSI accredited CMEs (Teleseminar) on 'Genitalia Aesthetics and Gender Affirmation'
10. Mumbai Cleft Workshop (Live Operative Cleft Surgery Workshop) (Hybrid mode)
11. APBA Symposium on Paediatric Burns (Hybrid mode)

**Name of Faculty: Dr. Rohit Kumar Rai**

**Designation: Assistant Professor (Trauma and Emergency)**

**Membership/Post in Journal or Society or Association**

1. Life member; Association of Plastic surgeons of India

## Department of Cardiology

S.No.	Name	Designation
1	Dr Surender Deora	Additional Professor and Head
2	Dr Rahul Choudhary	Additional Professor (Trauma & Emergency)
3	Dr Atul Kaushik	Associate Professor

### About the Department

The Department of Cardiology came into existence in May 2016 and since then the Department has progressed gradually in clinical care, academic & research and public health awareness. The Department is fully functional with OPD, IPD, Non-Invasive Lab services (ECG, ECHO, TMT, Holter, ABPM) and believes in team-based patient-centered approach. The two state-of-the-art Cath Labs are fully functional and complex coronary and structural heart interventions are being performed regularly. First time, the Transcatheter Aortic Valve Replacement (TAVR) was performed in collaboration with Department of CTVS. The Department has also organized complex pediatric cardiac intervention workshop and has done 8 complex cases. All faculties are actively involved in teaching and training of DM Cardiology and MedTech students and as well of undergraduate students. All DM students are actively engaged in clinical work with special focus on Hands-on training under faculty in-charge to achieve basic clinical and interventional competency. There are students from IIT Jodhpur pursuing MedTech dual degree program working in the department for their research activities. There is dedicated research team in the OPD complex maintaining daily research activities under Principal investigator. The main research activities are related to validation of the new devices (startups), multicentric international studies, drug trials. There have been various publications in the academic year 2023-24 in various PubMed and other indexed journals. The faculties have presented interesting clinical cases in various international cardiology meetings.

The Department of Cardiology plays an active role in public health lectures at schools and various other forums.

### Compiled list of Publications of the department:

#### PubMed Indexed:

- Goswami S, Rajagopal R, Deora S. Aortic valvar atresia with a normal-sized left ventricle in an adolescent. *Cardiol Young*. 2024;34(2):462-464. doi:10.1017/S1047951123004444
- Saroha D, Panda S, Deora S, Mohammed S. Cardiac Abnormalities in Refractory Status Epilepticus- an Exploratory Study. *J Epilepsy Res*. 2023;13(2):42-50. Published 2023 Dec 31. doi:10.14581/jer.23007
- Mohanty V, Sharma S, Goswami S, Kaushik A, Choudhary R, Yadav D, Deora S, Singh K. Association of Novel Hematological Indices with Severity of Coronary Artery Disease using SYNTAX Score in Patients with Acute Coronary Syndrome. *Cardiovasc Hematol Disord Drug Targets*. 2023;23(3):202-211. doi: 10.2174/011871529X269740231102045028. PMID: 37953615
- Goswami S, Choudhary R, Deora S, Kaushik A. The diagnostic accuracy of two-dimensional strain imaging echocardiography to detect the severity of coronary artery disease in non-ST segment elevation acute coronary syndrome. *Indian Heart J*. 2023;75(6):409-415. doi:10.1016/j.ihj.2023.09.003

5. Mohanty V, Sharma SK, Deora S. Rare association of aneurysm of anterior mitral leaflet with bicuspid aortic valve. *Ann Afr Med.* 2023;22(4):554-556. doi:10.4103/aam.aam\_142\_22
6. Gunasekaran PK, Shanmugasundaram D, Santhanam S, et al. Profile of cardiac lesions among laboratory confirmed congenital rubella syndrome (CRS) infants: a nationwide sentinel surveillance, India, 2016-22. *Lancet Reg Health Southeast Asia.* 2023;16:100268. Published 2023 Aug 24. doi:10.1016/j.lansea.2023.100268
7. Goswami S, Deora S, Rajagopal R, Sharma S. Coronary bronchial fistula - A rare incidental finding. *Asian Cardiovasc Thorac Ann.* 2023;31(6):521-523. doi:10.1177/02184923231187842
8. Deora S, Choudhary R, Kaushik A, Singh S, Singh B, Kumar B. Noninvasive assessment of pulmonary congestion in heart failure: Need of the hour. *Indian Heart J.* 2023;75(4):224-228. doi:10.1016/j.ihj.2023.05.004
9. Yadav S, Kalal N, Sharma SK, Deora S. The development and randomised feasibility trial of a Nurse-led lifestyle modification follow-up programme among post-myocardial infarction patients. *J Res Nurs.* 2023;28(3):230-246. doi:10.1177/17449871231163983
10. Pinto-Filho MM, Paixão GM, Gomes PR, et al. Electrocardiographic findings and prognostic values in patients hospitalised with COVID-19 in the World Heart Federation Global Study. *Heart.* 2023;109(9):668-673. Published 2023 Apr 12. doi:10.1136/heartjnl-2022-321754
11. Mohanty V, Sharma S, Deora S. Anomalous Double Right Coronary Artery Presenting as Inferior Wall ST-elevation Myocardial Infarction: A Rare Coronary Anomaly. *Heart Views.* 2023 Apr-Jun;24(2):114-118. doi: 10.4103/heartviews.heartviews\_94\_22. Epub 2023 Mar 24. PMID: 37305328; PMCID: PMC10249642
12. Rathod DK, Sharma A, Sharma N, Kaushik A, Karmakar S. Takotsubo cardiomyopathy following head and neck surgery: Can the fear of disfigurement be blamed? *Saudi J Anaesth.* 2023 Jul-Sep;17(3):419-422. doi: 10.4103/sja.sja\_906\_22.
13. Taywade S, Gupta T, Kumar R, Choudhary R, Kumar D. FDG PET/CT in Dressler Syndrome. *Clin Nucl Med.* 2023 Sep 1;48(9):e449-e451. doi: 10.1097/RLU.0000000000004754

### Workshops/ Conferences Organized

1. ISHR Jodhpur 2024, Department of Cardiology, Auditorium, 16<sup>th</sup> -18<sup>th</sup> Feb 2024
2. Pediatric Intervention workshop, Department of Cardiology, 9<sup>th</sup> Feb 2024

### Eminent Visitors:

1. Guest Lecture- "Institution building: AIIMS (Delhi), PGI Chandigarh show the way forward" Padam Bhushan Dr K K Talwar, Former Director, PGIMER Chandigarh, Professor & Head, Department of Cardiology, AIIMS New Delhi; 06.10.2023, Auditorium, AIIMS Jodhpur

### Any other information:

1. Conference: ISHR 2024 Jodhpur

The 2<sup>nd</sup> Joint Annual Meeting of International Society for Heart Research (Indian Section) & International Academy of Cardiovascular Sciences (India Section) was organized by the Department of Cardiology, All India Institute of Medical Sciences, Jodhpur from 16<sup>th</sup> – 18<sup>th</sup> February 2024. The theme of this conference was Cardiovascular Sciences - from Molecule to Clinical. These 3-day sessions covered all aspects of Cardiovascular Sciences from Preventive and lifestyle medicine (including AYUSH) to Basic and Translational medicine to Artificial intelligence in cardiovascular care.

Around 400 delegates and faculties, 90 speakers from India and various countries including the United Kingdom, Canada, Abu Dhabi, Saudi Arabia, Serbia and USA attended the meeting.

The conference commenced with a grand inaugural ceremony on 16<sup>th</sup> February 2024. The event began with an invocation followed by welcoming remarks by the organizing committee. It was presided over by our Guest of Honor Dr. Govardhan Dutt Puri, Executive Director, AIIMS Jodhpur. Inauguration was attended by other dignitaries Dr. KK Talwar, President-ISHR (Indian Section), Dr RK Goyal, President IACS (India section), Dr. Nitish Naik, Secretary ISHR (Indian Section), Dr. Mukesh Nandave, Secretary IACS (India section), Dr. Sanjeev Sanghvi, and Dr. Surender Deora. It was started by a welcome address by the chairperson Dr. Sanjeev Sanghvi. Eminent figures in the field delivered keynote addresses, setting the tone for the scientific discourse that would follow over the subsequent days. This was concluded with vote of thanks by the organizing secretary Dr. Surender Deora.



Dignitaries on dias at Inauguration ceremony



Award of appreciation to delegates by guests



Presentation of Souvenir to Guests by Executive Director G.D.Puri

**Name of Faculty: Dr Surender Deora**

**Designation: Additional Professor & Head**

**Sessions Chaired:**

All India Institute of Medical Sciences, Jodhpur



1. Navigating Infective Endocarditis: Real-World Learnings from AIIMS Jodhpur, IDCON, 6<sup>th</sup> May 2023, AIIMS Jodhpur
2. Hypertension Care and Control Workshop on the National Program for Prevention and Control of Noncommunicable Diseases (NP-NCD), 3<sup>rd</sup> August 2023, NIHFW New Delhi
3. Nuclear Cardiology, Nuclear Medicine – The Key to Precision Medicine, 16-19<sup>th</sup> November 2023, AIIMS Jodhpur
4. Assessment of Myocardial viability: Is there a mismatch between what physicians want and what imaging modalities give?”, Nuclear Medicine – The Key to Precision Medicine, 16-19<sup>th</sup> November 2023, AIIMS Jodhpur
5. Diagnosis & response evaluation of Cardiac Sarcoidosis: PET or CMR or both, Nuclear Medicine – The Key to Precision Medicine, 16<sup>th</sup> -19<sup>th</sup> November 2023, AIIMS Jodhpur

#### **Invited Lectures**

1. Practical approach to Pulmonary hypertension, PAH Workshop, 30<sup>th</sup> April 2023, AIIMS Delhi
2. Narrow complex SVT: first episode; responded to adenosine: When to ablate or Continue with Drugs, 15<sup>th</sup> Annual Conference of Indian Heart Rhythm Society (IHRSCON 2023 DELHI), 27<sup>th</sup> -29<sup>th</sup> Oct 2023, New Delhi

#### **Resource Faculty:**

1. 15<sup>th</sup> Annual Conference of Indian Heart Rhythm Society (IHRSCON 2023 DELHI), 27<sup>th</sup> -29<sup>th</sup> Oct 2023, New Delhi
2. Organizing Secretary, ISHR 2024, 16<sup>th</sup> -18<sup>th</sup> February, AIIMS Jodhpur

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

1. Comparative Validation of SANKETLIFE PROPLUS, touch based portable ECG device with standard ECG machine to detect cardiovascular diseases in diagnosed and undiagnosed section of society: Post marketing Surveillance Study.
2. A comparative study to monitor the impact of discharge decision in congestive heart failure (CHF) patients based on ReDS Pro® noninvasive lung fluid monitoring system versus clinical parameters on readmission in 30 days.

##### **As Co-Investigator**

1. Evaluation of a health system-based intervention on change in thrombolysis rate in ST segment elevated myocardial infarction (STEMI) acute coronary syndrome (ACS) across selected districts of the country – A health implementation research project. (ICMR-STEMI-ACT). ICMR
2. TOPSPIN (Treatment Optimisation for blood pressure with Single-Pill combinations in India). Funded by Imperial College London, London, United Kingdom
3. Effectiveness of Yoga based Cardiac Rehabilitation (Yoga-CaRe) in Heart Failure: A Randomized Clinical Trial abbreviated as Yoga CaRe-HF Trial. Funding agency: ICMR
4. NIHR Global Health Research Centre for Multiple Long-Term Conditions
5. The Cardiovascular safety and efficacy of Cagrilintide 2.4 Mg S.C in combination with semaglutide 2.4 Mg S.C once weekly in participants with established cardiovascular disease.

- HERMES: Effects of ziltivekimab versus placebo on morbidity and mortality in patients with heart failure with mildly reduced or preserved ejection fraction and systemic inflammation.

### **Completed:**

#### **As Co-Investigator**

- Sentinel Surveillance for Adverse Events of Special Interest (AESI) following COVID-19 vaccination in India. MOHFW. Non-funded
- CARDINNATE (Variation in innate immune activation and cardiovascular disease risk as drivers of COVID-19 outcome in South Asians in UK and India). Funding agency: Department of Biotechnology, India

### **Examinership**

- External examiner, DM Cardiology, July 2023, AIIMS Raipur
- External Examiner, DM Cardiology, 7th January 2024, RNT Medical college, Udaipur
- Internal Examiner for DM Cardiology, AIIMS Jodhpur, June 2023.
- Internal Examiner for DM Cardiology, AIIMS Jodhpur, December 2023.
- Thesis evaluation, DM Cardiology, SCTIMST, Trivandrum

### **National/ International Conferences attended:**

- PAH Workshop, 30<sup>th</sup> April 2023, AIIMS Delhi
- NP-NCD, 3<sup>rd</sup> August 2023, NIHF New Delhi
- IHRSCON 2023 DELHI, 27<sup>th</sup> -29<sup>th</sup> Oct 2023, New Delhi
- Nuclear Medicine – The Key to Precision Medicine, 16<sup>th</sup> -19<sup>th</sup> November 2023, AIIMS Jodhpur

### **Name of Faculty: Dr Atul Kaushik**

### **Designation: Associate Professor**

### **Papers Presented:**

- Transcatheter Closure of Ruptured Sinus of Valsalva with PDA Occluder Device in Previously Surgically Repaired Ventricular Septal Defect, TCTAP 2023, 6<sup>th</sup>-9<sup>th</sup> May 2023, Seoul, South Korea
- A tale of LAD and RCA CTO complicated by a thrombus in OM: Patience holds the key**, Annual SCAI meeting, 18<sup>th</sup>- 20<sup>th</sup> May, 2023, Phoenix Arizona, USA.
- My most unusual PDA device closure: I how I did it?** ASIA-PCR 2023, 21<sup>st</sup> -23<sup>rd</sup> September, Singapore
- Ostial Circumflex disease in a previous stented LAD, where do we land? Imaging solved the puzzle**, ASIA-PCR 2023, 21<sup>st</sup> -23<sup>rd</sup> September, Singapore

### **Invited Lectures**

- "Cardiovascular system disorders in elderly" at Training of medical officers in comprehensive geriatric care, 13<sup>th</sup> July 2023, AIIMS Jodhpur
- High Bleeding Risk: balance the bleed, Rajasthan Cardiology Summit, 15<sup>th</sup> -16<sup>th</sup> July, 2023, Jaipur, Rajasthan.

3. Remote monitoring of hemodynamic in HF, 18th Annual Conference of the Indian Society of Cardiology (ISCCON 2023), 13<sup>th</sup> – 15<sup>th</sup> October, 2023, Lucknow.

**Resource Faculty:**

1. Training of medical officers in comprehensive geriatric care, School of public Health, AIIMS, Jodhpur.

**Research Project:**

**Ongoing:**

**As Co-Investigator:**

1. “Effectiveness of yoga based cardiac Rehabilitation (Yoga-Care) programme in Heart Failure: A Randomized Clinical Trial”
2. Treatment optimisation for single pill combination in India (TOPSPIN)
3. Evaluation of a health system-based intervention on change in thrombolysis rate in ST segment elevated myocardial infarction (STEMI) acute coronary syndrome (ACS) across selected districts of the country – A health implementation research project. (ICMR-STEMI-ACT).
4. A comparative study to monitor the impact of discharge decision in congestive heart failure patients based on ReDS Pro versus clinical parameters on readmission in 45 days.

**Completed:**

**As Principal Investigator**

1. Pattern of Ambulatory Blood Pressure Monitoring Values among resident medical doctors and its correlation with serum melatonin, cortisol and hs CRP levels.

**Examinership**

1. Internal Examiner for DM Cardiology, AIIMS Jodhpur, June 2023.
2. Internal Examiner for DM Cardiology, AIIMS Jodhpur, December 2023.

**Membership/Post in Journal or Society or Association** Fellow of American college of Cardiology (FACC).

1. Fellow; Society for Cardiovascular Angiography and Interventions (FSCAI).
2. Life Member; Cardiological society of India.

**National/ International Conferences attended:**

1. ASIA-PCR 2023, from 21<sup>st</sup>-23<sup>rd</sup> September, 2023, Singapore.
2. TCTAP 2023, May 6<sup>th</sup> -9<sup>th</sup>, 2023 at Grand Walkerhill Seoul, Korea.
3. Annual SCAI meeting (May 18<sup>th</sup>- 20<sup>th</sup>, 2023 at Phoenix Arizona, USA).
4. Rajasthan Cardiology Summit, 15<sup>th</sup> -16<sup>th</sup> July, 2023, Jaipur, Rajasthan.
5. 18<sup>th</sup> Annual Conference of the Indian Society of Cardiology (ISCCON 2023), October 13<sup>th</sup> - 15<sup>th</sup>, 2023, Lucknow, Uttar Pradesh.

## Department of Cardiothoracic and Vascular Surgery

S.No.	Name	Designation
1	Dr Alok kumar Sharma	Additional professor and Head
2	Dr Surendra Patel	Associate Professor
3	Dr Danishwar Meena	Associate Professor
4	Dr Anupam Das	Assistant Professor
5	Dr Madhusudan Katti	Assistant Professor
6.	Dr. Pramod Chandolia	Assistant Professor

### About the Department

The Department of Cardio-Thoracic & Vascular Surgery (CTVS) at AIIMS, Jodhpur, specializes in treating vascular, thoracic, and cardiac malformations and diseases. It excels in teaching, research, and patient care, aligning with the institution's rapid growth. The department is dedicated to diagnosing and managing cardiac, thoracic, and vascular conditions. It performs a variety of surgeries, including Valvular heart disease, Ischemic heart disease, Congenital heart disease, Cardiac tumours, Bentall's procedure for Ascending aortic aneurysm, Bentall's procedure for Acute and Chronic type A aortic dissection, Transcatheter Aortic valve Implantation (TAVI) was successfully done in a multiple co-morbid elderly patient and whole Lung Levage was done in a patient with disorder of primary alveolar proteinosis.

Remarkably, the department performed the First TAVI procedure led by the surgical team in collaboration with the Department of Cardiology among all the AIIMS and other INI institutes. Complex procedures such as Bentall, Ischemic VSR and LV Rupture, ventral aorta bypass for coarctation of the aorta and mesenteric bypass surgery have also been successfully conducted.

The department has expanded its services in congenital heart surgery, treating children weighing less than 10 kg and addressing various heart diseases, including acyanotic and cyanotic conditions. emergency cardiac surgeries such as cardiac cath lab complications, emergency CABG, and mechanical complications of myocardial ischemia. The CTVS department collaborates with the Department of Interventional Radiology for Hybrid Endovascular procedures, with the Department of Cardiology for TAVI and has seen positive outcomes with its ECMO program in collaboration with Critical Care and Anesthesiology department. The department offers 20 IPD beds, equally distributed for male and female patients. There are 10-bed CTVS Intensive Care Unit (ICU) for post-operative cardiac surgical patients, including adults and pediatric cases. We also have a dedicated trained Nursing officers and fellows of Cardiac Anaesthesia for postoperative care of Cardiac surgical patients.

The CTVS department is actively involved in medical education, conducting Lectures, PBL, UNCLE class, and orientation classes for Ph.D. students. It is also involved in Allied Health Sciences courses in B.Sc Perfusion Technology we have total 6 students, with three students enrolled in July 2022 and 3 students joined in the July 2023 session. The department also participates in regular CGR and CPC sessions and provides PG students with rotational postings in clinics.

To further enhance patient care, the department has established Pediatric cardiac surgery and vascular clinics, also established Heart Team for the discussion and tailored best-suited management plan for the complex illnesses and conducted weekly meetings with Radiology to discuss imaging cases. Overall, the Department of Cardio-Thoracic & Vascular Surgery at AIIMS, Jodhpur, is at the forefront of medical

advancements. It provides comprehensive care, conducts cutting-edge procedures, and significantly contributes to medical education and research.

### Compiled list of Publications of the department

#### Papers

##### Pubmed Indexed:

1. Meena D, Chandolia P, Patel S, Sharma PP, Das A, Suman S, Katti M, Mathur A, Gavade D, Sharma AK. Knowledge, Attitude And Practices Among Cardiac Surgical Patients Towards Coronavirus Disease At A Tertiary Care Centre In Western Rajasthan, India. IOSR Journal of Dental and Medical Sciences (IOSR-JDMS); 22, (9) Ser.4 (Sept 2023):12-19.
2. Patel S, Meena D, Garg P, Mathur A, Katti M, Sharma AK. Surgical bypass of superior and inferior mesenteric arteries with Dacron graft in a patient with acute on chronic mesenteric ischaemia with atherosclerotic complete occlusion of the infrarenal aorta. Indian J Thorac Cardiovasc Surg (2024). <https://doi.org/10.1007/s12055-024-01730-9>
3. Sharma AK. Sternal Wound Infection: A Surgeon's Nemesis. Editorial in Annal of Cardiac Anesthesia. DOI: 10.4103/aca.aca\_202\_23

#### Eminent Visitors

1. Dr K R Balakrishnan- Professor and Head, Department of CTVS, and Director heart transplant , Fortis hospital Chennai.
2. Dr Prashant Vaijyanath, Chief Cardiothoracic and Vascular Surgeon at Coimbatore. He is pioneer in TAVI procedure in India and abroad.

#### Any other information:

1. TAVI Team: All the team including CTVS surgeons, Cardiologist, Cardiac Anaesthetis, Nursing officers of Cardiac OT and Cath Lab and Cath lab technicians and all support staff.



TAVI team OF AIIMS Jodhpur

**Name of Faculty: Dr Alok Kumar Sharma**

**Designation: Additional Professor and Head**

**Papers Presented**

1. Invited talk on the Hemostasis in cardiac Surgery. 70<sup>th</sup> Annual conference of Indian Association of Cardiovascular Thoracic surgeons, 08<sup>th</sup> -11<sup>th</sup> February 2024, Mayfair lagoon, Bhubaneswar, Odisha
2. Invited talk on Mitral valve repair. 5<sup>th</sup> Annual Foundation Day CME, 15<sup>th</sup> -16<sup>th</sup> July 2023, SGPGIMS, Lucknow, U.P

**Resource Faculty**

1. Moderated session on Valve repair Surgery. 70<sup>th</sup> Annual conference of Indian Association of Cardiovascular Thoracic surgeons, 08<sup>th</sup>-11<sup>th</sup> February 2024, Mayfair lagoon, Bhubaneswar, Odisha.
2. Moderated a session on Ozaki Procedure. Ozaki Summit, 18<sup>th</sup> -20<sup>th</sup> May 2023, Sri Jayadeva Institute of Cardiovascular sciences and research, Bangalore
3. Moderated a session in IDCON 2023, AIIMS Jodhpur, 6<sup>th</sup> may 2023, Jodhpur.
4. Attended as National Faculty in SMRSC 2024, First Global SS Innovations Multy-speciality Robotic Surgery Conference, 19<sup>th</sup> -20<sup>th</sup> January 2024, Gurugram.
5. Mid Term CME, Department of A&CC AIIMS Jodhpur, 3<sup>rd</sup> September 2023, Jodhpur
6. Chaired in 55<sup>th</sup> Annual Conference of The Society of Nuclear Medicine India, AIIMS Jodhpur, 16<sup>th</sup> - 19<sup>th</sup> November 2023, Jodhpur
7. Participated in Transplant Coordinator Training, Robert Heilig Library Hall, SMS Medical College, 9<sup>th</sup> – 13<sup>th</sup> September 2023, Jaipur
8. Organising Committee member. 2<sup>nd</sup> Joint Annual Meeting of International Society for Heart Research (Indian Section) & International Academy of Cardiovascular Sciences (India Section), AIIMS Jodhpur, 16<sup>th</sup> – 18<sup>th</sup> February, 2024, Jodhpur

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. A quantitative assessment of changes in inflammatory cytokines in patients undergoing cardiac surgeries with allogenic and autologous blood transfusion. Intramural

**As Co-investigator**

1. Prospective, Observational study to assess the prevalence of complications in Cardiac surgical patients after early removal of chest drains.
2. Knowledge, attitude and practices among cardiac surgical patients towards COVID-19 and accessibility of medical care facilities during pandemic outbreak.

**Completed:**

**As Co-Investigator**

1. Role of Femoral Intima-media Thickness in risk prediction of Coronary artery disease, its association with markers of inflammation and atherosclerosis and its role in accessing severity of coronary artery disease. Intramural

**Membership/Post in Journal or Society or Association**

1. Reviewer; Annals of Cardiac Anesthesia
2. Reviewer; IJTCS
3. Section Editor (Innovations); Indian Journal of Thoracic and cardiovascular Surgery (IJTCS)

**National/ International Conferences attended:**

1. STS annual Conference- 2023, 21<sup>st</sup>-23<sup>rd</sup> January 2023 (Online)
2. 37<sup>th</sup> EACTS 2023 annual conference, 4<sup>th</sup> -7<sup>th</sup> October 2023.(Online)
3. Attended online seminars and masterclasses conducted every weekend by IACTS.
4. Workshop on TEE held in PGIMER Chandigarh, 14<sup>th</sup> -15<sup>th</sup> October 2023.
5. 70<sup>th</sup> Annual conference of Indian Association of Cardiovascular Thoracic surgeons, Mayfair lagoon, Bhubaneshwar, 08<sup>th</sup> -11<sup>th</sup> February 2024
6. 5<sup>th</sup> Annual Foundation Day CME, SGPGIMS, Lucknow, 15<sup>th</sup> -16<sup>th</sup> July 2023
7. Ozaki Summit, at Sri Jayadeva Institute of Cardiovascular sciences and research, Bengaluru, 18<sup>th</sup> - 20<sup>th</sup> May 2023
8. IDCON 2023, AIIMS, Jodhpur, 6<sup>th</sup> May 2023.
9. SMRSC 2024, First Global SS Innovations Multy-speciality Robotic Surgery Conference, Gurugram, 19<sup>th</sup> -20<sup>th</sup> January 2024.
10. Mid Term CME, Department of A&CC AIIMS, Jodhpur, 3<sup>rd</sup> September 2023
11. Transplant Coordinator Training, Robert Heilig Library Hall, SMS Medical College, Jaipur, 9<sup>th</sup> – 13<sup>th</sup> September 2023
12. 7<sup>th</sup> Annual conference Society of Minimally Invasive Cardiovascular & Thoracic Surgeons of India, Hotel Redisson Blu, Indore, 15<sup>th</sup> – 17<sup>th</sup> September 2023
13. 55<sup>th</sup> Annual Conference of The Society of Nuclear Medicine India, AIIMS, Jodhpur, 16<sup>th</sup> -19<sup>th</sup> November, 2023
14. 2<sup>nd</sup> Joint Annual Meeting of International Society for Heart Research (Indian Section) & International Academy of Cardiovascular Sciences (India Section), AIIMS, Jodhpur, 16<sup>th</sup> – 18<sup>th</sup> February 2024

**Any other information:**

1. Course Coordinator for the various fellowship started in department of Radiology, Department of Anesthesiology.
2. Administrative work as the External Subject Expert for the Regular Faculty recruitment board for AIIMS, Nagpur.
3. Administrative work as the External Subject Expert for the Specifications finalizing committee of department of CTVS for AIIMS, Bhubaneshwar.
4. Administrative work as the Subject expert member for Board of Studies of Department of CVTS, AIIMS, Jodhpur for the proposal of the 6 year MCh course in CVTS.
5. Administrative work as the External Subject Expert member for Board of Studies of Department of CVTS, SGPGI Lucknow for the proposal of the 6 year MCh course in CVTS.
6. Administrative work as the External Examiner for The MCh at Safadjung Hospital, Delhi
7. Administrative work as the External Examiner for The BSc. Perfusion Technology at AIIMS, Rishikesh

**Name of Faculty: Dr Surendra Patel**

## Designation: Associate Professor

### Papers

#### Papers Presented:

1. Patel S, Kaushik A, Goswami S, Garg P, Goel AD, Meena D, Choudhary R, Deora S, Sharma AK. Role of femoral Intima-Media Thickness in risk prediction of coronary artery disease and its role in accessing severity of coronary artery disease. 31<sup>st</sup> Annual Meeting of the Asian Society for Cardiovascular and thoracic Surgery (ASCVTS), May 31<sup>st</sup> - June 03<sup>rd</sup> 2023, Busan, Republic of Korea.
2. Patel S, Meena D, Garg P, Mathur A, Das A, Katti M, Chandolia P, Murmu NN, Sharma AK. Surgical bypass of Superior and Inferior mesenteric arteries with Dacron graft in a patient with acute on chronic mesenteric ischemia with atherosclerotic complete occlusion of the infrarenal aorta. 70<sup>th</sup> Annual conference of Indian Association of Cardiovascular Thoracic surgeons, 08<sup>th</sup> -11<sup>th</sup> February 2024, Mayfair lagoon, Bhubaneshwar

#### Invited speaker

1. Classification Systems in Critical Limb Ischemia: Are they relevant? 2nd Joint Annual Meeting of International Society of Heart Research (Indian Section) & International Academy of Cardiovascular Sciences (India Section) ISHR 2024, AIIMS Jodhpur, 16<sup>th</sup> -18<sup>th</sup> Feb 2024, Jodhpur.

#### Resource Faculty

1. 2nd Joint Annual Meeting of International Society of Heart Research (Indian Section) & International Academy of Cardiovascular Sciences (India Section) ISHR 2024, AIIMS Jodhpur, 16<sup>th</sup> -18<sup>th</sup> Feb 2024, Jodhpur.

#### Research Project:

##### Ongoing:

##### As Co-Investigator

1. Pattern of Ambulatory Blood Pressure Monitoring Values among resident medical doctors and its correlation with serum melatonin, cortisol and hs CRP levels. Intramural
2. Lung Hydatid disease: "Surgeon's perspective and Experience".
3. Robotic Thymectomy for Myasthenia Gravis: A prospective observational study.
4. Feasibility and outcomes of uniportal VATS in stage II Empyema Thoracis.

##### Completed

##### As Principal Investigator

1. Role of Femoral Intima-media Thickness in risk prediction of Coronary artery disease, its association with markers of inflammation and atherosclerosis and its role in accessing severity of coronary artery disease. Intramural
2. Prospective, Observational study to assess the prevalence of complications in Cardiac surgical patients after early removal of chest drains.

#### Membership/Post in Journal or Society or Association



1. Member; European Association of Cardiothoracic and Vascular surgeon (EACTS)

**National/ International Conferences attended:**

1. 31<sup>st</sup> Annual Meeting of the Asian Society for Cardiovascular and thoracic surgery (ASCVTS), Busan, Republic of Korea. May 31<sup>st</sup> - June 03<sup>rd</sup>, 2023
2. GKNM 21<sup>st</sup> Annual Live workshop "LiveSURGE", Coimbatore, Tamil Nadu, 01<sup>st</sup> -02<sup>nd</sup> December 2023.
3. 70<sup>th</sup> Annual conference of Indian Association of Cardiovascular Thoracic surgeons, Mayfair lagoon, Bhubaneswar, 08<sup>th</sup> -11<sup>th</sup> February 2024
4. 2nd Joint Annual Meeting of International Society of Heart Research (Indian Section) & International Academy of Cardiovascular Sciences (India Section) ISHR 2024, AIIMS Jodhpur, 16<sup>th</sup> to 18<sup>th</sup> Feb 2024.

**Name of Faculty: Danishwar Meena**

**Designation: Associate Professor**

**Papers**

**Papers Presented:**

1. Patel S, Kaushik A, Goswami S, Garg P, Goel AD, Meena D, Choudhary R, Deora S, Sharma AK. Role of femoral Intima-Media Thickness in risk prediction of coronary artery disease and its role in accessing severity of coronary artery disease. 31<sup>st</sup> Annual Meeting of the Asian Society for Cardiovascular and thoracic Surgery (ASCVTS), May 31<sup>st</sup> - June 03<sup>rd</sup> 2023, Busan, Republic of Korea.
2. Patel S, Meena D, Garg P, Mathur A, Das A, Katti M, Chandolia P, Murmu NN, Sharma AK. Surgical bypass of Superior and Inferior mesenteric arteries with Dacron graft in a patient with acute on chronic mesenteric ischemia with atherosclerotic complete occlusion of the infrarenal aorta. 70<sup>th</sup> Annual conference of Indian Association of Cardiovascular Thoracic surgeons, 08<sup>th</sup> -11<sup>th</sup> February 2024, Mayfair lagoon, Bhubaneswar
3. Meena D, Patel S, Chandolia P, Tiwari S, Mathur A, Sharma AK. Emergency Carotid Endarterectomy with stent retrieval in a patient with stent migration following failed Carotid Artery Stenting. 70<sup>th</sup> Annual conference of Indian Association of Cardiovascular Thoracic surgeons, 08<sup>th</sup> -11<sup>th</sup> February 2024, Mayfair lagoon, Bhubaneswar

**Sessions Chaired:**

1. Panelist for session on Atherosclerosis and CAD. 2nd Joint Annual Meeting of International Society of Heart Research (Indian Section) & International Academy of Cardiovascular Sciences (India Section) ISHR 2024, AIIMS Jodhpur, 16<sup>th</sup> -18<sup>th</sup> Feb 2024, Jodhpur.

**Resource Faculty:**

1. 2nd Joint Annual Meeting of International Society of Heart Research (Indian Section) & International Academy of Cardiovascular Sciences (India Section) ISHR 2024, AIIMS Jodhpur, 16<sup>th</sup> -18<sup>th</sup> Feb 2024, Jodhpur.
2. 7<sup>th</sup> Annual Conference of Society of Minimally Invasive Cardiovascular and Thoracic Surgeons of India, Radisson Blu Hotel, 15<sup>th</sup>-17<sup>th</sup> Sept 2023, Indore, MP.

**Research Project:**

**Completed:**

**As Principal Investigator**

1. Knowledge, attitude and practices among cardiac surgical patients towards COVID-19 and accessibility of medical care facilities during pandemic outbreak.

**Membership/Post in Journal or Society or Association**

1. Member; European Association of Cardiothoracic and Vascular surgeon (EACTS)

**National/ International Conferences attended:**

1. GKNM 21<sup>st</sup> Annual Live workshop "LiveSURGE", Coimbatore, Tamil Nadu, 01<sup>st</sup>-02<sup>nd</sup> December 2023.
2. 7<sup>th</sup> Annual Conference of Society of Minimally Invasive Cardiovascular and Thoracic Surgeons of India at Radisson Blu Hotel, Indore, 15<sup>th</sup>-17<sup>th</sup> Sept 2023.
3. 70<sup>th</sup> Annual conference of Indian Association of Cardiovascular Thoracic surgeons, Mayfair lagoon, Bhubaneswar, 08<sup>th</sup> -11<sup>th</sup> February 2024
4. 2nd Joint Annual Meeting of International Society of Heart Research (Indian Section) & International Academy of Cardiovascular Sciences (India Section) ISHR 2024, AIIMS, Jodhpur 16<sup>th</sup> - 18<sup>th</sup> Feb 2024.

**Name of Faculty: Dr. Anupam Das**

**Designation: Assistant Professor**

**Papers Presented**

1. Paper in the award section titled "Minimally Access ASD Closure in a 2-year child- alternative to central arterial cannulation". 7th Annual Conference of Society of Minimally Invasive Cardiovascular & Thoracic Surgeons of India, Radisson Blu Hotel, 15<sup>th</sup>-17<sup>th</sup> Sept 2023, Indore, MP.

**Sessions Chaired**

1. Invited as Faculty and Chairperson in the 2nd Joint Annual meeting of International Society for Heart Research & International Academy of Cardiovascular Sciences, AIIMS Jodhpur 16<sup>th</sup> - 18<sup>th</sup> Feb 2024, Jodhpur.

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. Retrospective objective evaluation of surgical results in Congenital Heart Surgery at a new tertiary centre in Western India using Aristotle scoring system

**As Co-Investigator**

1. Role of Cardiac Resonance Imaging in non- ischemic cardiomyopathies

**Scientific Awards/Patents**

1. Awarded FRCS Diploma in the field of Cardiothoracic Surgery at the Royal College of Surgeons, Edinburgh, UK
2. Awarded the Membership of the European Association of Cardiothoracic Surgeons
3. Awarded the Fellowship of American College of Surgeons (FACS)
4. Cleared the Fellowship in Critical Care Echocardiography under the Indian College of Anesthesiologists & Indian Association of Cardiovascular Thoracic Surgeons (FCCE)

**Membership/Post in Journal or Society or Association**

1. Member; Society of Pediatric and Congenital Heart Surgeons

**National/ International Conferences attended:**

1. 21st Annual Live Workshop live SURGE, GKNM Coimbatore, 1<sup>st</sup> -2<sup>nd</sup> December 2023.
2. 8th International & 17th National TEE workshop and CME, NH, Bengaluru.
3. 7th Annual Conference of Society of Minimally Invasive Cardiovascular & Thoracic Surgeons of India , Radisson Blu Hotel, Indore, MP, 15<sup>th</sup>-17<sup>th</sup> Sept 2023
4. National Summit on Tetralogy of Fallot conducted by SPCHS, Jupiter Hospital, Thane, Mumbai, .
5. 2nd Joint Annual meeting of International Society for Heart Research & International Academy of Cardiovascular Sciences, 16<sup>th</sup> -18<sup>th</sup> Feb 2024.

**Name of Faculty: Dr Madhusudan Katti****Designation: Assistant Professor****Papers Presented:**

1. **Katti M**, Patel S, Mathur A, Sharma AK, Meena D, Das A. Calcified Cardiac Amorphous Tumor (CAT) - A rare form of pediatric cardiac tumor. 23rd PCSI (The Pediatric Cardiac Society of India) conference and Pre-conference Workshop, 23<sup>rd</sup>-26<sup>th</sup> November 2023, Chennai.
2. Das A, Mathur A, Sharma AK, Patel S, Meena D, Katti M. Minimally access ASD closure in a 2-year young child- alternative to central arterial canulation. 7<sup>th</sup> Annual Conference of Society of Minimally Invasive Cardiac Surgery, 15<sup>th</sup> -17<sup>th</sup> September 2023, Indore.
3. Patel S, Meena D, Garg P, Mathur A, Das A, Katti M, Chandolia P, Murmu NN, Sharma AK. Surgical bypass of Superior and Inferior mesenteric arteries with Dacron graft in a patient with acute on chronic mesenteric ischemia with atherosclerotic complete occlusion of the infrarenal aorta. 70<sup>th</sup> Annual conference of Indian Association of Cardiovascular Thoracic surgeons, 08<sup>th</sup> -11<sup>th</sup> February 2024, Mayfair lagoon, Bhubaneswar.

**Sessions Chaired**

1. Intervention in PHT at the 23rd PCSI (The Pediatric Cardiac Society of India) conference and Pre-conference Workshop, 23<sup>rd</sup> -26<sup>th</sup> November 2023, Chennai.
2. Panelist on Amyloid-Recent updates at the 2<sup>nd</sup> Joint Annual Meeting of International Society of Heart Research (Indian section) and International Academy of Cardiovascular Sciences (India section) ISHR 2024, 16<sup>th</sup> -18<sup>th</sup> February 2024, AIIMS Jodhpur.

**Membership/Post in Journal or Society or Association**

1. Life member; Epidemiological Foundation of India
2. Member; Global Burden of Disease (GBD) Collaborator Network.

**National/ International Conferences attended:**

1. 22<sup>nd</sup> PCSI (The Pediatric Cardiac Society of India) conference and Pre-conference Workshop, Kolkata, 11<sup>th</sup> -13<sup>th</sup> November 2023.
2. IACTACON 2023, 26<sup>th</sup> Annual Conference of Indian Association of Cardiovascular and Thoracic Anaesthesiologists, Jodhpur, 17<sup>th</sup> - 19<sup>th</sup> February 2023.

**Name of faculty – Dr. Pramod Chandolia**

**Designation – Assistant Professor**

**Session chaired**

1. Invited as faculty and chairperson in the 2<sup>nd</sup> joint annual meeting of international society for heart research and international academy of cardiovascular sciences, ISHR 2024, 16<sup>th</sup> -18<sup>th</sup> February 2024, AIIMS Jodhpur.

**Membership/ post in journal or society or association**

1. Member; Indian Association Of Cardiovascular – Thoracic Surgeon

**National/ international conferences attended**

1. Invited as faculty and chairperson in the 2<sup>nd</sup> joint annual meeting of international society for heart research and international academy of cardiovascular sciences, ISHR 2024, AIIMS Jodhpur, 16<sup>th</sup> -18<sup>th</sup> February 2024.

## Department of Community Medicine and Family Medicine

S. No.	Name	Designation
1.	Dr. Pankaja Ravi Raghav	Professor and Head
2.	Dr. Pankaj Bhardwaj	Professor
3.	Dr. Neeti Rustagi	Professor
4.	Dr. Srikanth Srinivasan	Additional Professor
5.	Dr. Manoj Kumar Gupta	Additional Professor
6.	Dr. Naveen K. H	Additional Professor
7.	Dr. Prem Prakash Sharma	Additional Professor
8.	Dr. Akhil Dhanesh Goel	Additional Professor
9.	Dr. Prasanna Thirunavukkarasu	Additional Professor
10.	Dr. Suman Saurabh	Associate Professor

### About the Department

The faculty, PG and UG students from the Department of Community medicine and family medicine visits to the four centres daily in rural and urban Jodhpur and provided the patient care services, which are Urban Health Training Centre, (Shree Swami Prabhutanand Government Hospital) , Pratap Nagar; Centre for Rural Health AIIMS (CRHA), Dhawa; Centre for Rural Health AIIMS (CRHA), Keru; Centre for Rural Health AIIMS (CRHA), Dhundhara. The Department provides regular immunization services, motivation for breastfeeding, complementary feeding & counseling to mothers of children under two years of age. The undergraduate students are imparted the training for clinical skills under the supervision of faculty members. The post graduate students are imparted training related to clinical skill, teaching skill and leadership skill through various PG activities like presentation in Journal club, Case presentation etc. The environment and disease related factors are being studied through "Family Health Advisory Services (FHAS)" in family and in community. For imparting the health education and creating awareness in the public, various activities were organized like lectures, street play, and quiz. These activities were organized in rural and urban health centers as well as in government schools. These activities were organized on the following special days during the year.

The department is involved in teaching full course in Biostatistics to Postgraduate students (M.Sc. Nursing) in AIIMS Jodhpur and support for teaching whole course of Biostatistics to Postgraduate MD (Ayurved) and PhD (Ayurved) students in Dr. Sarvepalli Radhakrishnan Rajasthan Ayurveda University, Jodhpur.

### Any other information

The activities like lectures, street play, quiz etc. were organized in rural and urban health centers and in government schools by US and PG students under the guidance of Faculty on special days during the years as mentioned below.

- 1. World Health Day** was observed on 7th April 2023 along with 75th anniversary of the World Health Organization, with the theme 'Health for All'. Health talks were conducted on Importance of being healthy for all age groups. The IEC materials related to promotion of healthy lifestyles, about nutrition

and how to avail care for ailments, importance of quitting smoking and alcohol consumption, maintaining sanitation and proper hygiene prepared by the team were displayed for public awareness.

2. **The World Hand Hygiene Day** was observed on 5th May, 2023. The informative sessions were arranged in the schools for importance of hand hygiene practices and risk of infection because of untidy hands. IEC material prepared by interns was shown to them. Students were asked to perform steps of hand washing & were encouraged to share the information with others.
3. The theme of the **World No Tobacco Day** was “Grow Food, Not Tobacco” which was observed on 31<sup>st</sup> May 2023. The health education sessions were conducted mentioning the ill health effects of consuming different types of tobacco products. Economic & social impacts, advantages of quitting tobacco, and how to quit them. A skit was conducted based on tobacco addiction among youth. Pledge was also taken at the end by the patients and health care workers.
4. The importance of **Menstrual Hygiene practices** was explained during the sessions among girls of class 8<sup>th</sup> to 11<sup>th</sup> and teachers in Gov. Schools in Dhawa and Keru on Menstrual Hygiene day on 28th May, 2023. An interactive session was held by AIIMS residents & interns. The young girls were educated about changes happening in their body during menarche along with hygiene practices. They were sensitized about the importance of using sanitary pads, frequency of changing it along with its proper disposal. Nutritional guidance during menstruation along with common complaints with the solutions were addressed. The audience were encouraged to share the information with the other people around them. IEC material prepared by interns was also shown to them.
5. On World Yoga Day, yoga session was conducted on 21<sup>st</sup> June 2023 by CMFM AIIMS team along with department of AYUSH at UHTC Pratapnagar with the theme “*Vasudhaiv Kutumbkam*” i.e. yoga for welfare of all in the form of “One World- OneFamily”. It emphasises the spirit of Yoga. Active and enthusiastic participation was seen from the local residents of Pratapnagar. Importance of having a healthy lifestyle was emphasized along with the 45 min Yoga teaching session.
6. On the occasion of International Day against drug abuse and illicit trafficking, a health talk was conducted at CRHA, Keru, to spread awareness regarding drug abuse among global as well as local population, and address the common stigmas associated with drug abuse. Health talk included the types and causes of drug abuse, common hurdles faced when a person attempts to stop consuming substances and facilities available at health care centers. Posters and slogans were displayed. The session concluded with open discussion regarding the challenges faced by those attempting to quit, question answering to address doubts and sharing personal experiences.
7. World Population Day 2023 was observed on 11th July 2023, in UHTC Pratap Nagar with the theme “Unleashing the power of gender equality: Uplifting the voices of women and girls to unlock our world's infinite possibilities.” The target audience were people visiting the UHTC. An interactive health talk session was organized and addressed the topics like: what are the consequences of increasing population, Benefits of population control over health, society as well as the environment, prevent/control population, and measures/initiatives which can be taken for family planning. IEC material prepared by the intern was shown and explained to them.
8. World Breastfeeding Week was observed from 1st to 7th August 2023 and conducted multiple awareness sessions at health centers and Anganwadi centers. Theme for this year was “Let's Make Breastfeeding and Work, Work!” The target audience were the antenatal mothers and postnatal mothers, their husbands & mother in-laws. Health talk focused on Early initiation of Breastfeeding, avoidance of pre-lateral feeds, importance of giving colostrum, exclusive breastfeeding, benefits of breastfeeding, correct positioning, signs of proper latching, frequency of feeding and common problems encountered during breastfeeding. Related posters were also used to increase

understanding of the audience. A skit was also conducted at Bhacharna AWC, by residents and interns in Dhundhara.

9. Poshan Maah is being observed every year in the month of September. This year the theme was "Suposhit Bharat, Sakshar Bharat, Sashakt Bharat". AIIMS team conducted multiple awareness sessions at Anganwadi centers and in Schools. To learn the nutritional qualities of food speech competition was arranged in a Sanskrit school. The students from class 9<sup>th</sup>-12<sup>th</sup> participated with the help of school administration and they were informed a day before to bring the locally available food items. As a part of the competition in the presence of Principal and teachers, the students were asked to talk on the nutritional qualities of food items available with them and disadvantages of unhealthy snacks like chips and soft drinks were explained. All participants were given small gifts and special prizes.
10. On 10th September, 2023 World Suicide Prevention Day was observed by AIIMS teams at outreach centers on 10th September, 2023 with the theme "Creating hope through action". Health awareness sessions along with roleplay were organized in two schools in Pratap Nagar and one in Keru. The Junior Residents from Psychiatry Department AIIMS also accompanied with the team. The session covered the signs and risk factors associated with suicide as well as prevention strategies. Pamphlets and brochures containing information about suicide symptoms, self-support measures and helpline numbers were communicated during the session.
11. World Alzheimer's Day was observed on 21<sup>st</sup> September 2023 by AIIMS team with the theme "Never too early, never too late". Health talk were organized in UHTC Pratapnagar and localities near the anganwadi centers. The talk included significance of Alzheimer's day the disease symptoms, risk factors, and the impact of the disease on individuals and families. It was a health talk addressing the OPD patients at UHTC Pratap Nagar and localities at the Anganwadi center. Session began outlining the significance of Alzheimer's day and the campaign theme for the year "Never too early, never too late". The talk covered the disease symptoms, risk factors, and the impact of the disease on individuals and families. The significance of early diagnosis and the importance of supporting individuals and families dealing with Alzheimer's was also addressed. IEC materials were also used for the same.
12. World Rabies Day was observed on 28<sup>th</sup> September 2023 in different schools by AIIMS team with the theme as "All for 1, one health for all". The students were educated regarding the basics of rabies disease and trained about basic first aid practices in case of animal bite. The health talk aimed to raise awareness among students about its causes, transmission, symptoms, and potential consequences, prevention and vaccination of rabies.
13. In view of World's Heart Day 2023 on 29<sup>th</sup> September 2023, an Awareness session was conducted by the AIIMS team with the theme "Use Heart, Know Heart". During the session the preventable risk factors like inadequate physical activity, harmful use of Alcohol, use of tobacco in any form and unhealthy diet were emphasised. Among the audience those aged above 30 years were screened for hypertension and Diabetes Mellitus. They were encouraged to share the information with others in the community. IEC material prepared by the team was also during the session.
14. The World Mental Health Day 2023 was observed (10<sup>th</sup> OCT 2023) with the theme "Mental health is a universal human right". An interactive session was organized by the AIIMS Team at Health centers and schools. The session focused on better understanding about mental health, where low mood, substance abuse, mobile phone addiction, work life imbalance, Depression, Anxiety, Suicide, Substance abuse and stigma related to Mental illnesses were discussed. IEC materials prepared by interns were shown to them. Awareness regarding positive mental health and helpline number details were provided to the students.

15. Newborn care Week was celebrated between 15<sup>th</sup> and 21<sup>st</sup> November 2023. This year the theme was "Safety, quality and nurturing care – birth right of every newborn". An awareness session was conducted in a community setting in Dhawa about newborn care where participating audiences were newborn with mother and their family members. As part of this session team the families where newborns were examined for vitals, any presenting complaint, and gross congenital anomalies. Mothers were counseled for exclusive breastfeeding practices, burping after feeding, immunization, general newborn care, danger signs as per IMNCI guidelines and postpartum changes in mothers. Doubts of mothers were also addressed.



IEC material on breast feeding

16. World Leprosy Day was observed on 30<sup>th</sup> January 2024 to raise awareness and take action against leprosy CRHA Keru centre. This year the theme for the same was "Beat leprosy." which brings attention to the key messages that- elimination is possible. A pledge was undertaken by the team of AIIMS Jodhpur along with health talk where people were enlightened about leprosy disease, the signs and symptoms, people were made aware that it is a curable disease and that there should not be any discrimination against the patients. The social stigma around the disease was highlighted and the requirement of community involvement in complete elimination of leprosy was conveyed. The audience were interactive and their queries regarding the same were also answered. IEC materials were displayed create awareness about leprosy.
17. National Deworming Day was observed on 4<sup>th</sup> September 2023 by the AIIMS team at Anganwadi center to educate the people about the importance of deworming and to assess the gaps in organizing the deworming drives. A health talk on helminth infections, the common signs and symptoms, effect on growth of child and importance of deworming was given. Information about the mop-up drive planned for 11<sup>th</sup> September 2023 was provided for their maximum participation. The audience were encouraged to share the information with the other people. IEC material prepared by interns was shown to them. National Deworming Day was also observed on 10<sup>th</sup> February 2024 to initiate a deworming drive for children aged 1-19 years at government schools by school teachers as per state government's order. This year the theme was "Eliminate STH: Invest in a healthier future for children" Soil Transmitted Helminths (STH) during the week awareness sessions were conducted in schools, anganwadis and with Self Help Group (SHG) meetings. In view of the Deworming day, various awareness sessions were conducted in schools and centres on 10<sup>th</sup> Feb 2024 in Government Higher Secondary School Dhundhara, on 8<sup>th</sup> Feb 2024 in Bhawariyon Ki Dhani School



, on 12<sup>th</sup> Feb 2024 in Uchh Pradhamik Vidyalay Undheda Ki Dhani School , On 22<sup>nd</sup> Feb 2024 in KERU meeting with Self Help Group (SGH). During the sessions, importance of Deworming was explained , the common signs and symptoms, effect on growth of child also how the worms in children interfere with nutrient uptake and can contribute to anemia, malnourishment and impaired physical and mental development. IEC materials were prepared and displayed. Health talk on personal hygiene was delivered with special emphasize on hand washing. They were encouraged to share this message with their family members and friends.



Awareness about deworming at Bhawariyon ki dhani school

17. World Glaucoma Week was observed from 10<sup>th</sup> March to 16<sup>th</sup> March 2024. A health talk via role play was organized on 14<sup>th</sup> March 2024 in CRHA, Dhundhara and on 15<sup>th</sup> March 2024 at CHC, KERU. In this year the theme was "Uniting for a Glaucoma-Free World". The Patients and their attendants were there. During the health talk they were told about various signs and symptoms about glaucoma, cataract and refractive error. Various preventive measures were also told and when to seek health care. The IEC material made by the Interns was used to show various signs and symptoms.
18. On the occasion of "Oral Hygiene and ear care awareness session" A health talk was organized among School Children at Bawariyon ki Dhani School on 14<sup>th</sup> March 2024 at Keru. Health education was imparted regarding dental hygiene, mouth washing and cleaning of ear. School Health Screening Camp was organized from 6<sup>th</sup> March to 9<sup>th</sup> March 2024 in CHC, Keru. The participants were the School Children at Bawariyon ki Dhani School ion Keru. The health issues of the children were resolved and were referred to CHC Keru for further management as required. Following parameters were checked –Anthropometry; Eye examination; Ear examination; Oral hygiene; Hemoglobin level. They were also told about adequate nutrition and a report was submitted to the Principal.



Measuring the anthropometry of students

19. Sexual and reproductive health awareness day was observed on 12<sup>th</sup> February 2024 by team AIIMS Jodhpur at CRHA Dhundhara at Government Higher Secondary School Dhundhara. The students were made aware about the body changes which occur with age or during puberty, students were made aware about the adolescent clinics and facilities provided there, and also about sexually transmitted disease and its prevention. IEC material prepared by interns was shown to them.
20. Awareness session for Anemia was organized on 23<sup>rd</sup> February 2024 at CHC, Keru, the participants were the children and their mothers at Anganwadi, They were told about Anemia and its detrimental effects. The information regarding the nutritional demands of a growing child was explained to the mothers along with various food groups that are rich in iron. Deworming and its benefits were also explained. Need for handwashing and sanitization before feeding children was also emphasized.
21. An awareness session on Menstrual Hygiene was conducted, the girls of class 6<sup>th</sup> to 8<sup>th</sup> & the school teachers were part of this session where young girls were educated about changes happen in their body during menarche along with hygiene practices that they should follow with their body during menses. They were sensitised about the importance of using sanitary pads, frequency of changing it along with its proper disposal. Nutritional guidance during menstruation along with common complaints with the solution & taboos about it was also addressed.
22. Measles Immunisation Day was organized on 16<sup>th</sup> March 2024 in CRHA Dhundhara. An awareness program related to measles immunization was organized for patients and attendants at CRHA Dhundhara. During the awareness program introduction and elaboration about measles, its risk factors, susceptible populations, signs and symptoms and the treatment and preventive strategies were explained. Local language was used to explain the topics.
23. Frequent home visits were made to the patients of chronic obstructive pulmonary disease and a post-stroke patients in Dhawa village. They were clinically evaluated and treatment was advised, modified and preventive measures were given. The support and palliative care indicators tool (SPICT) were applied and patients were assessed for palliative care.
24. A team consisting of a Nodal officer, faculty members from the Department of Community Medicine and Family Medicine, faculty representing STHR Sirohi, Senior Residents, Junior Residents, and MSSO from the Department of CMFM, and Ayushman Mitras (LDC) for active participation of AIIMS Jodhpur in Vikshit Bharat Sankalp Yatra. A detailed plan from 19<sup>th</sup> to 30<sup>th</sup> Dec 2023 was prepared to conduct independent activities by the team and to jointly participate with the CMHO office in Vikshit Bharat Sankalp Yatra being organized by Nagar Nigam Jodhpur (South).
25. Activities done by team AIIMS Jodhpur at the field practice area:
  - i) FGD among NP-NCD beneficiaries: The activity was conducted at UHTC Pratap Nagar to identify the acilitators and barriers in availing services under NP-NCD. A focus group discussion was organized

by the team of UHTC Pratap Nagar under the guidance of nodal officer, VBSY, AIIMS Jodhpur on 07\12\2023. A total of 12 NP-NCD beneficiaries attending the OPD participated. The discussion was initiated by team members to focus on the facilitators and barriers of service utilization for NCDs and to know their experiences. The Patients also shared their journey of treatment so far. A brief discussion was also done on non-pharmacological management which they are using in daily life. Annual screening of NCD for all above 30 years was also emphasized.

- ii) A visit to the ART center at AIIMS Jodhpur OPD was made by the VBSY team on 08 Dec 2023 to identify the utilization of services under NACP. Interaction with service providers and beneficiaries revealed the various key points as Challenges noted (As per SMO) were Drugs and logistics shortage and Non-availability of paediatric ART drugs Whereas, As per beneficiaries that was cost of investigations and additional drugs and as per the counsellor and staff it was found to be delay in getting medicines stocks in due time and Funding from AIIMS for running the center
- iii) Public awareness session on International Year of Millets 2023: In accordance with the focus of the Ayushman Bharat program on non-communicable diseases, a public awareness session was organised at CHC Keru under Keru Panchayat Samiti on 15 Dec 2023. The session was organized in harmony with the aim of observing the International Year of Millets 2023. Approximately 20 beneficiaries attended the session including a varying population of adolescents, young and elderly from patients and their companion visiting CHC Keru. Important points highlighted in the session were the importance and relevance of the International Year of Millets 2023 proposed by the Government of India; Information regarding various millets grown in Rajasthan, their nutritional and ecological benefits, and the different forms it can be added to our food plate regularly; IEC materials was prepared by the team members and were displayed for the benefit of a larger population; the health talk concluded with Q&A and encouraged them to pass on the knowledge of millet-rich diets to next generations.

#### 26. Activities conducted jointly with CMHO Jodhpur

The Viksit Bharat Sankalp Yatra was organized by Nagar Nigam (South) in Jodhpur City. The Department of Community Medicine and Family Medicine (CMFM), the nodal department in All India Institute of Medical Sciences (AIIMS), Jodhpur participated in VBSY jointly with the office of CMHO, Jodhpur at all the camps organized. The nodal officer of the VBSY team is in contact with the district-level health officials from the CMHO office for coordinated activities. The team from AIIMS, Jodhpur along with one Senior Resident and four Junior Residents on a rotation basis from the department of CMFM along with two Ayushman Mitras participated in the VBSY Camp every day.



1. Screening and Nutritional Counselling for Anaemia: Beneficiaries had been screened for anemia with hemoglobinometer, those found to have low hemoglobin levels, nutritional counselling was being provided on iron-rich diet, and they were referred to the nearest health facility for further management. Awareness regarding the Anemia Mukht Bharat Programme and the availability of free IFA tablets in government facilities was also done. AIIMS team at Viksit Bharat Sankalp Yatra involved in screening and giving nutritional counselling for Anemia
2. AIIMS teams assisted in screening of non-communicable diseases in collaboration with the state health team. Total 1750 beneficiaries have been tested for random blood sugar levels and blood pressure. Out of these, 284 were found to have either raised blood glucose levels or raised blood pressure. They were counselled and referred to the nearest health facility for further management. The teams had one to one counselling sessions for lifestyle modification, drug adherence and regular follow ups. The beneficiaries were screened for diabetes foot and counselling was done on foot care. Awareness regarding self-care in Diabetes was also done in batch of 2-3 beneficiaries.
3. Counselling for Treatment Compliance for patients on ATT: People who attended the Viksit Bharat Sankalp Yatra sites were screened for tuberculosis. Patients on ATT were provided counselling for treatment compliance and adherence along with nutritional advice. Awareness for tuberculosis elimination was also provided.
4. Visitors of the camp were given awareness regarding Ayushman Bharat card and ABHA Id including the eligibility and their benefits. During the activity a total of 378 Ayushman Bharat Cards have been created and ABHA Id have been generated for 1375 beneficiaries.
5. People were made aware of national health schemes. National flagship health programs such as Ayushman Bharat, Anaemia Mukht Bharat, National Tuberculosis Elimination Program (NTEP), National Program for prevention and control of non-communicable diseases (NPNCD), Jan Aushadhi scheme and other major health programs were addressed in the health camp.

#### **Compiled list of Publications of the Department:**

**PubMed Indexed:**

1. Rahi M, Yadav CP, Ahmad SS, Nitika, Das P, Sharma S, Baharia RK, Bhattacharya D, Deshmukh P, Dhatrak A, Dogra S, Raghav P. Vaccination coverage and breakthrough infections of COVID-19 during the second wave among staff of selected medical institutions in India. *PLOS Global Public Health*. 2023 Apr 7;3(4):e0000946.
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Systematic Review and Meta-Analysis. J Obstet Anaes Cri Care. 14(1):p 5-16, Jan–Jun 2024. | DOI: 10.4103/JOACC.JOACC\_68\_23.

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63. Suseendar S, Goel AD, Baskaran TP, Rehana VR, Bhardwaj P, Gupta MK, Saurabh S. Challenges and barriers faced by people with TB and healthcare workers providing TB care and management – A qualitative study. Indian J Public Health 2024;68:167-74.
64. Bhat K, Patra S, Bhardwaj A, Singh S, Budania A, Bains A, Saurabh S. Efficacy of apremilast in hyperkeratotic hand and foot dermatitis: results from a randomized observer-blinded comparative study. Int J Dermatol. 2024 May 17. doi: 10.1111/ijd.17185.

### Non-PubMed Indexed

1. Sharma H, Joshi NK, Jain YK, Bhardwaj P. Promoting Health and Well-being of Institutionalized Destitute Females: A Study from Thar Region of India. Journal of Datta Meghe Institute of Medical Sciences University. 2024;19(1):92-97.
2. Meena B, Kumar A, Joshi NK, Jain YK, Mingwal M, Bhardwaj P. Hypertension and its Risk Factors among College Students of Jodhpur, Rajasthan. CHRISMED J Hlth Res. 2023;10(1):105-109
3. Sharma J, Joshi NK, Jain YK, Bhardwaj P, Singh K. Reproductive Health Services in Urban Slums: Evidences from Western Rajasthan. Asian Pacific Journal of Reproduction. 2023;12(2):52-57.
4. Rai S, Joshi NK, Jain YK, Saurabh S, Bhardwaj P. Compliance, enablers and barriers to implementation of the cigarette and other tobacco products act, in Jodhpur, Rajasthan. Int J Pub Hlth. 2023;12(4):1422-1429.
5. Gupta MK, Prakash A. Building a healthy future: The growth trajectory of India's healthcare industry in the last two decades. 2023;54(2):61-66.
6. Rai S, Joshi NK, Jain YK, Saurabh S, Bhardwaj P. Compliance, enablers and barriers to implementation of the cigarette and other tobacco products act, in Jodhpur, Rajasthan. International Journal of Public Health Science 2023; 12(4):1422-1429. doi: <http://doi.org/10.11591/ijphs.v12i4.22933>

### Workshops/ Conferences Organized

1. Organizing secretary for NAMS sponsored CME on “End of Life Care: Bridging Health Care Professionals and Society Perspective Sessions”. 24<sup>th</sup> February 2024, AIIMS Jodhpur.

### Eminent Visitors:

1. Dr Ramakant Dixit, State Chairperson National TB Elimination Programme (NTEP), visited AIIMS Jodhpur and our department (in Seminar Room) on 28<sup>th</sup> December 2023 and had discussion with faculty and residents regarding the strategies, innovations and challenges faced. Residents also gained in-depth understanding of the NTEP programme.



**Eminent visitor Dr Ramakant Dixit's interaction with faculty**

**Name of Faculty: Dr. (Mrs.) Pankaja Ravi Raghav**

**Designation: Professor and Head**

**Books/Chapters:**

1. Chapter on Occupational Health in IAPSM's textbook of Community Medicine, Third edition, Jaypee Brothers Medical Publishers 2024

**Papers Presented:**

1. Investigating in Malaria Elimination: Essential towards achieving SDGs. 67<sup>th</sup> Annual National Conference of Indian Public Health Association (IPHACON 2023), 7<sup>th</sup> - 9<sup>th</sup> April 2023, Biswa Bangla Convention Centre, New Town, Kolkata.
2. Importance of One Health Approach in equally improving the health of Humans, Animals and Environment. 17<sup>th</sup> World Congress on Public Health, 2<sup>nd</sup> - 6<sup>th</sup> May 2023, Rome, Italy.
3. "The BRICS' contribution to Developing a Public Health Oriented Model of Vaccine Production and Distribution". 17<sup>th</sup> World Congress on Public Health, 2<sup>nd</sup> - 6<sup>th</sup> May 2023, Rome, Italy.
4. "Unveiling the silent Suffering: The Hidden Toll of Asbestosis among Inhabitants around Asbestos Mines"., 16<sup>th</sup> International Conference of the International Mesothelioma Interest Group, 26<sup>th</sup> - 28<sup>th</sup> June 2023, Lille, France.
5. Current status & challenges in vector control. 17<sup>th</sup> Annual National Conference of Indian Academy of Tropical Parasitology (IATP), TROPACON 2023, 29<sup>th</sup> October, 2023
6. Challenges for the workforce in relation to the COVID pandemic. International Conference on Current Challenges in Occupational and Environmental Health, 28<sup>th</sup> - 30<sup>th</sup> November 2023, MAMC, New Delhi.

7. Women's Empowerment for Better Maternal Health Indicators - Insight from NFHS-5. EFICON 2023, 29<sup>th</sup> -30<sup>th</sup> September 2023, Goa Medical College, Goa.
8. Role of Women's Empowerment on the First 1000 Days of Life - Insights from NFHS-5. IAPSM Young Leaders' National Conclave, 5<sup>th</sup> November 2023, Ludhiana.
9. Effect of Opium and Opioid Products on Metabolic Profile of Individuals - A Scoping Review. IAPSM Young Leaders' National Conclave, 5<sup>th</sup> November 2023, Ludhiana.
10. Evaluating the Implementation of Government Schemes and Policies for Communities Living in and Around Mining Areas: A Situational Analysis. International Conference on Current Challenges in Occupational and Environmental Health, 28<sup>th</sup> - 30<sup>th</sup> November 2023, MAMC, New Delhi.
11. Impact of a Hybrid Model of Care on Falls Risk among Older Persons and Caregiver Burden - Community-based Interventional Study. IAPSM RAJCON 2023, 16<sup>th</sup> - 17<sup>th</sup> December 2023.
12. Geospatial Analysis of Micronutrient Deficiencies in India Using Comprehensive National Nutrition Survey (CNNS). IAPSM RAJCON 2023, 16<sup>th</sup> - 17<sup>th</sup> December 2023.
13. Exploring Occupational Hazards & its Effect on Morbidity Profile of Workers in Mining Industry- A scoping review. IAPSM RAJCON 2023, 16<sup>th</sup> - 17<sup>th</sup> December 2023.
14. A study of menstrual hygiene practices and attitudes among urban females in western Rajasthan. IAPSM RAJCON 2023, 16<sup>th</sup> - 17<sup>th</sup> December 2023.

### **Symposium Speaker**

1. Plenary on 'The BRICS' contribution to Developing a Public Health Oriented Model of Vaccine Production & Distribution. 17<sup>th</sup> World Congress on Public Health, 2<sup>nd</sup> - 6<sup>th</sup> May 2023, Rome, Italy.
2. Plenary on "Climate Change & Health and Elimination of Vector Borne Diseases". 4<sup>th</sup> Annual Conference EFICON-2023, 30<sup>th</sup> September - 1<sup>st</sup> October 2023, Goa.
3. Plenary on "Wellness at School: A Holistic Approach to Reproductive Health and Health Services". IAPSM RAJCON 2023, 16<sup>th</sup> - 17<sup>th</sup> December 2023

### **Resource Faculty**

1. Workshop on Importance of One Health Approach in equally improving the health of Humans, Animals and Environment as part of the World Congress on Public Health Workshop on 'One Health' Approaches in the LMICS. 17<sup>th</sup> World Congress on Public Health, 2<sup>nd</sup> - 6<sup>th</sup> May 2023, Rome, Italy.
2. Plenary on "The BRICS' contribution to Developing a Public Health Oriented Model of Vaccine Production & Distribution". 17<sup>th</sup> World Congress on Public Health, 2<sup>nd</sup> - 6<sup>th</sup> May 2023, Rome, Italy.
3. Plenary on "Unveiling the silent Suffering: The Hidden Toll of Asbestosis among Inhabitants around Asbestos Mines". 16<sup>th</sup> International Conference of the International Mesothelioma Interest Group, 26<sup>th</sup> - 28<sup>th</sup> June 2023, Lille, France.
4. Chairperson - International Conference on Current Challenges in Occupational and Environmental Health 2023 to talk on "Hardships faced by inhabitants around mining zones", 28<sup>th</sup> – 30<sup>th</sup> November 2023, MAMC, New Delhi.
5. Strengthening Health Systems through Indian Public Health Standards, as a part of IAPSM RAJCON 2023, 15<sup>th</sup> December, 2023.
6. Chairperson - Plenary on "Wellness at School: A Holistic Approach to Reproductive Health and Health Services". IAPSM RAJCON 2023, 16<sup>th</sup> - 17<sup>th</sup> December 2023.

7. Chairperson/Judge - Session in the 51<sup>st</sup> Annual National Conference of the Indian Association of Preventive and Social Medicine - IAPSMCON 2024, 8<sup>th</sup> - 10<sup>th</sup> February 2024, Dr. T M A Pai International Convention Centre, Mangalore.
8. NMOCON 24, The annual national conference of doctors and students of allopathic medicine organised by National Medicos Organisation cohosted by AIIMS Rishikesh, 24<sup>th</sup> – 25<sup>th</sup> February 2024, AIIMS Rishikesh.
9. MINErVA Network Partners meeting. 24<sup>th</sup> November 2023, AIIMS, New Delhi.
10. Expert - 'National Level Stakeholder Workshop on Strengthening Ear and Hearing Care', 22<sup>nd</sup> March 2024, The Park New Delhi Hotel, Organised by WHO, in collaboration with Ministry of Health and Family Welfare (MoHFW) Govt. of India and with support and guidance from Directorate General of Health Service and All India Institute of Speech and Hearing (AIISH)
11. Subject expert - "Workshop on Environmental Health Surveillance in India", organized by AIIMS Bhatinda, 21<sup>st</sup> January 2024 Chandigarh.
12. Training of SRS Supervisors on Verbal Autopsy by AIIMS Technical Support Unit (ATSU) through Medical network partners, 04<sup>th</sup> – 05<sup>th</sup> March 2024, Directorate of Census Operations, Jaipur, Rajasthan.

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

1. Community Behavior and its determinants in relation to Malaria prevention and control in Rajasthan- Extramural
2. Association between history of COVID-19 and mental health morbidity in India- a cross sectional multi-centric study, funded by ICMR – Extramural
3. Designing and implementation of health care model in patients with stage 2 breast cancer
4. Economic and Health Impact Assessment of Heat Adaptation Action: Case Studies of two Indian Cities

##### **As Co-Investigator**

1. Integrated Community Based Palliative Home Care of Chronic Debilitated Patients – A novice approach in Jodhpur - Extramural
2. Use of mobile health (mhealth) applications to train primary health center staff in acute management of burn and injury patients in Jodhpur, Rajasthan: A Community Based trial - Extramural
3. Empowering Community and Health Personnel at Low Resource Settings for Management of Heat-related Illnesses - A Mixed-Method Approach – Extramural
4. To study the prevalence of Bisphenol A toxicity and its metabolic and hormonal effects in females with Polycystic Ovary syndrome- Extramural
5. Strengthening Midwifery Services at National Midwifery Training Institutes (NMTIs) in India
6. Analysis of the causal pathways of maternal deaths in District Level Health Facilities in Rajasthan, India

##### **Completed**

##### **As Principal Investigator**

1. Assessment of vaccination coverage and incidence of breakthrough infections and reinfections among staff of selected Medical Institutions - Non funded
2. Exploring Dietary Diversity among Various Age Groups of Jodhpur District through Qualitative study - Non funded
3. Assessment of Quality of Death Certification Practices in Jodhpur District and Testing Quality Improvement Solutions - Non funded

### **Examinership**

1. MD (Community Medicine) Examination at Era's Lucknow Medical College & Hospital, Lucknow, 19<sup>th</sup> - 20<sup>th</sup> July 2023
2. MD Examination at AIIMS, Patna, 18<sup>th</sup> - 19<sup>th</sup> December, 2023
3. Third Professional MBBS Examination at AIIMS, Kalyani, 29<sup>th</sup> January - 1<sup>st</sup> February 2024
4. Third Year M.B.B.S. Practical Examinations (Part-I) at Zydus Medical College and Hospital, Dahod (Gujrat), 15<sup>th</sup> - 20<sup>th</sup> January, 2024

### **Membership/Post in Journal or Society or Association**

1. Fellow; Indian Association Preventive & Social Medicine (IAPSM)
2. Joint Editor; Indian Journal of Public Health (IJPH), Editorial board member – Journal of Preventive Medicine: Research & Reviews
3. Editor; Journal of Preventive Medicine: Research & Reviews
4. Reviewer; Journal of Health and Allied Sciences NU, Journal of Multidisciplinary Healthcare, American Journal of Epidemiology & Public Health., Journal of Biomedical Research & Environmental Sciences, Journal of the Indian Academy of Geriatrics, All India Journal of Medical Sciences, Global Journal of Medical and Clinical Case Reports, Advances in Biomarker Sciences and Technology, Annals of Psychiatry and Treatment, Plos one, The Lancet Global Health.

### **National/ International Conferences attended:**

1. 17<sup>th</sup> World Congress on Public Health, 2<sup>nd</sup> - 6<sup>th</sup> May 2023, Rome, Italy.
2. 16<sup>th</sup> International Conference of the International Mesothelioma Interest Group, 26<sup>th</sup> - 28<sup>th</sup> June 2023, Lille, France.
3. International Conference on Current Challenges in Occupational and Environmental Health 2023 to talk on "Hardships faced by inhabitants around mining zones", 28<sup>th</sup> – 30<sup>th</sup> November 2023, MAMC, New Delhi.
4. IAPSM RAJCON 2023, 16<sup>th</sup> - 17<sup>th</sup> December 2023, Dr. S. N. Medical College, Jodhpur.
5. 51<sup>st</sup> Annual National Conference of the Indian Association of Preventive and Social Medicine - IAPSMCON 2024, 8<sup>th</sup> - 10<sup>th</sup> February 2024, Dr. T M A Pai International Convention Centre, Mangalore.
6. NMOCON24, the annual national conference of doctors and students of allopathic medicine organised by National Medicos Organisation cohosted by AIIMS Rishikesh, 24<sup>th</sup> – 25<sup>th</sup> February 2024, AIIMS Rishikesh.

**Training/Course attended** 19<sup>th</sup> Healthcare Executive Management Development Program (HxMDP) organized by AIIMS Jammu and IIM Jammu in association with Research Foundation in Hospital & Healthcare Administration (RFHHA), 18<sup>th</sup> - 23<sup>rd</sup> September 2023.

**Name of Faculty: Dr Pankaj Bhardwaj**

**Designation: Professor**

#### **Papers Presented**

1. Jain YK, Bhardwaj P, Joshi NK, Lal P, Kapoor S, Singh RJ. Poster Presentation: "Estimating the annual production of bidi sticks in India using the "back-of-the-envelope-method", National Conference on Tobacco or Health. February 2024
2. Joshi NK, Bhardwaj P, Jain YK, Joshi V, Singh RJ. Poster Presentation: "Economic Considerations and Public Health Imperatives in Tobacco Control: A Case Study from India". National Conference on Tobacco or Health. February 2024
3. Jain YK, Bhardwaj P, Joshi NK, Gupta MK, Goel AD, Sharma P. Oral Presentation: "Economic implications and lost life years averted: Predictive estimates for Indian cigarillos (bidi) industry", The Union World Conference on Lung Health 2023. November 2023
4. Jain YK, Bhardwaj P, Joshi NK, Gupta MK, Goel AD, Sharma P. Oral Presentation: "Annual estimates of tobacco product waste in India: A country wide cross-sectional study", The Union World Conference on Lung Health 2023. November 2023
5. Jain YK, Bhardwaj P, Joshi NK, Gupta MK, Goel AD, Sharma P. Short Oral Presentation: "Mortality and morbidity estimates due to cigarette, bidi and smokeless tobacco in India: A landscape and meta-analysis", The Union World Conference on Lung Health 2023. November 2023
6. Jain YK, Bhardwaj P, Joshi NK, Gupta MK, Goel AD, Sharma P. Oral Presentation: "Health Burden due to Cigarette, Bidi and Smokeless Tobacco Consumption in Rajasthan", 67th Annual National Conference of Indian Public Health Association IPHACON 2023. April 2023
7. Joshi V, Bhardwaj P, Joshi NK, Jain YK, Gupta MK, Goel AD, Singh K. Oral Presentation: "Assessment of mHealth Interventions in India: A Systematic Review", 67th Annual National Conference of Indian Public Health Association (IPHACON 2023). April 2023
8. Rout B, Gupta MK, Saini L, Sharma PP, Goel AD, Bhardwaj P. Assessment of Quality of life of Cerebral Palsy children and their primary caregivers in western Rajasthan, presented during 4th Annual Conference of Epidemiology Foundation of India [EFICON 2023] organized by Government Medical College, Goa, 30<sup>th</sup> September – 1<sup>st</sup> October 2023
9. Rout B, Gupta MK, Saini L, Sharma PP, Goel AD, Bhardwaj P. Predictors of Quality of Life of Caregivers of Children suffering with Cerebral Palsy: An Observation from an apex Institution of Western Rajasthan, presented during IAPSMRAJCON 2023 organized by Dr. S.N. Medical College, Jodhpur, 16<sup>th</sup> – 17<sup>th</sup> December 2023
10. Khan A, Nebhinani N, Gupta MK, Nebhinani M, Joshi N, Bhardwaj P. Workplace-Related Stress, Burnout, and Satisfaction Among ASHA Workers of Jodhpur, presented during IAPSMRAJCON 2023 organized by Dr. S.N. Medical College, Jodhpur, 16<sup>th</sup>-17<sup>th</sup> December 2023
11. Khan A, Nebhinani N, Gupta MK, Nebhinani M, Joshi N, Bhardwaj P. Workplace related Stress, Burnout and Satisfaction among ASHA Workers of Jodhpur, presented during 4th Annual Conference of Epidemiology Foundation of India [EFICON 2023] organized by Government Medical College, Goa, 30<sup>th</sup> September - 1st October 2023
12. Singh R, Goel AD, Aswathy S R, Gupta MK, Rustagi N, Bhardwaj P, Raghav P. A Narrative Review on Sexual Health Education Intervention for Improving Knowledge, Attitude and Practice related to

Sexual and Reproductive Health among Adolescents, presented during IAPSMRAJCON 2023 organized by Dr. S.N. Medical College, Jodhpur, 16<sup>th</sup> – 17<sup>th</sup> December 2023

13. Harsha, Bhardwaj A, Gupta MK, Bhardwaj P, Joshi NK, Mohanan G. Assessment of the Perceived Stigma, Quality of Life, Functional activity and Awareness of available services among people affected with leprosy residing in leprosy communities in Jodhpur: A cross-sectional study, presented during IAPSMRAJCON 2023, 16<sup>th</sup> – 17<sup>th</sup> December 2023, Dr. S.N. Medical College, Jodhpur
14. Ram S, Naveen K H, Bhardwaj P, Srinivasan S, Gupta MK, Sharma PP. Professional fulfillment and its correlation with happiness, spiritual intelligence, resilience and burnout among clinical nurses at tertiary health centers in India: A cross-sectional study. IAPSMRAJCON 2023, 16<sup>th</sup> – 17<sup>th</sup> December 2023, Dr. S.N. Medical College, Jodhpur
15. Sharma S, Deora S, Gupta MK, Kumar P, Madnani P, Joshi NK, Bhardwaj P. Assessment of Periodontitis In Chronic Heart Failure Patients Attending A Tertiary Care Facility In Jodhpur And Its Relationship With Nt-ProBNP". International Society for Heart Research (Indian Section) and the International Academy of Cardiovascular Sciences (India Section), 16<sup>th</sup> -19<sup>th</sup> Feb 2024, AIIMS Jodhpur
16. Sharma S, Deora S, Gupta MK, Kumar P, Madnani P, Joshi NK, Bhardwaj P. Periodontitis In Chronic Heart Failure Patients Attending A Tertiary Care Facility In Jodhpur And Its Relationship With Nt-ProBNP. 4th IAPSM-Young Leaders' National Conference, 04<sup>th</sup> – 06<sup>th</sup> November 2023, Ludhiana, Punjab
17. Sharma S, Deora S, Gupta MK, Kumar P, Madnani P, Joshi NK, Bhardwaj P. Periodontitis In Chronic Heart Failure Patients Attending A Tertiary Care Facility In Jodhpur And Its Relationship With Nt-ProBNP. IAPSMRAJCON 2023, 16<sup>th</sup> - 17<sup>th</sup> December 2023, Dr. S.N. Medical College, Jodhpur
18. Siroya K, Goyal JP, Bhardwaj P, Goel AK, Mohanan G, Kaushal R, Gupta MK, Joshi N. Association between Asthma Control status and Quality of Life among adolescents visiting a tertiary care facility in Western Rajasthan, India. IAPSMRAJCON 2023, 16<sup>th</sup> - 17<sup>th</sup> December 2023, Dr. S.N. Medical College, Jodhpur
19. Harsha, Bhardwaj A, Gupta MK, Bhardwaj P. Assessment of the perceived stigma, quality of life, functional activity and awareness of available services among people affected with leprosy residing in leprosy communities in Jodhpur: a cross-sectional study. IAPSMRAJCON 2023, 16<sup>th</sup> - 17<sup>th</sup> December 2023, Dr. S.N. Medical College, Jodhpur
20. Tharini M K, Mittal M, Mohanan G, Goel AK, Sharma S, Kumar P, Gupta MK, Bhardwaj P. Association between Anemia and Fluorosis among patients visiting a tertiary care hospital in Western Rajasthan, India. IAPSMRAJCON 2023, 16<sup>th</sup> - 17<sup>th</sup> December 2023, Dr. S.N. Medical College, Jodhpur
21. Garg T, Goel AK, Joshi N, Singh P, Gupta MK, Bhardwaj P. Assessment of the 'Shakti Divas' program for Anemia Mukta Rajasthan, presented during IAPSMRAJCON 2023, 16<sup>th</sup> - 17<sup>th</sup> December 2023, Dr. S.N. Medical College, Jodhpur
22. Joshi NK, Bhardwaj P, Goel AD, Gupta M. Strategies and Outcomes of TB Mukta Gram Panchayat program in Rajasthan. 68th Annual National Indian Public Health Association Conference (IPHACON 2024), 15<sup>th</sup> – 17<sup>th</sup> March 2024, Atal Bihari Vajpayee Institute of Mountaineering and Allied Sports, Manali, Himachal Pradesh

## Sessions Chaired



1. 68<sup>th</sup> Annual National Conference of Indian Public Health Association (IPHACON 2024), Manali (HP), March 2024
2. IAPSMCON 2024, Kasturba Medical College, Mangalore, February 2024
3. Co-Chair, Scientific Committee, IAPSMRAJCON 2023, SN Medical College, Jodhpur, December 2023
4. Judge for Oral Presentation in the 67th Annual National Conference of Indian Public Health Association (IPHACON). Kolkata, April 2023.
5. Workshop on "Co-creating One health Workforce in Rajasthan" on 18th April 2023 at Jaipur.
6. Chairman, Scientific Advisory Committee (SAC) ICMR Regional Center Port Blair
7. Chairman, TB Mukht Gram Panchayat Assessment Committee, Rajasthan
8. Chairman, Operational Research Committee, NTEP, Rajasthan

### **Symposium Speaker**

1. NAMS Convocation and 63<sup>rd</sup> Annual Conference. Ramaiah Medical College, October 2023, Bengaluru

### **Resource Faculty**

1. Meeting of Chairpersons, Scientific Advisory Committee (SAC), under chairmanship of DG, ICMR HQ, March 2024, New Delhi
2. National Institute of Health and Care Research (NIHR) Global Health Research (GHR) Center's Symposium, March 2024, Dhaka, Bangladesh
3. State NTEP OR Workshop, January 2024, Ajmer
4. Project meeting at Karolinska Institute, September 2023, Stockholm, Sweden
5. Workshop on National Program for Prevention and Control of Non-Communicable Diseases, NIHF, August 2023, New Delhi
6. Workshop on Strengthening Birth, Death and Still Birth Registration in Rajasthan, NIHF, August 2023, Jaipur
7. Workshop on Prioritizing Hypertension Control and Care by Strengthening Primary Health Care, 3<sup>rd</sup> August 2023, Jodhpur
8. 3<sup>rd</sup> National Training Workshop on Strengthening monitoring and evaluation of NTCP in the country – prioritizing and reorienting academic and public health institutes. June 2023, Goa.
9. Scientific Advisory Committee Meeting. June 2023, AIIMS Gorakhpur, UP
10. Two-day Workshop on "Continuum of care and patient-centered NCD service delivery through their integrated care". June 2023, Jaipur.
11. Technical Resource Group (TRG) Meeting organized by NACO. May 2023, New Delhi.
12. Resource person for "Infectious diseases: A threat to Global Health and security" at PREVECON 2023. April 2023, Chennai.
13. Research Facilitation Workshop for PhD candidates under the NIHR Global Health Research Centre for Multiple Long-Term Conditions. April 2023, New Delhi
14. Co-creating One Health Workforce through Health System Strengthening in Western India, April 2023, Jaipur
15. Second Meeting of Expert Committee of ICMR HQ, April 2023, New Delhi

16. Expert group for strategic discussion on identifying and prioritisation of research activities and services at ICMR – CRMCH, April 2023, New Delhi

## Research Project

### Ongoing:

#### As Principal Investigator

1. Developing cost effective strategies to strengthen and implement tobacco control policies related to bidi, Bloomberg Philanthropies.
2. Surveillance & Epidemiology activities under the National AIDS Control program (NACP)
3. National Clinical Registry of COVID-19: including two sub studies on Cardio Vascular Thrombotic Events and Sudden Death Study- ICMR.
4. Prioritizing hypertension control and care by strengthening primary health care: Global Health Advocacy Incubator, Tobacco-Free Kids, Bloomberg Philanthropies.
5. Epidemiology of Pancreatitis and Major Gastrointestinal Diseases: A multi-center study across India- THSTI ICMR Task Force Study.
6. m-health based intervention by community health workers to support family caregivers to persons with dementia living at home- ICMR-FORTE, A joint Study funded under India Sweden Call on Geriatric Care.
7. Psychosocial and economic effect of Dementia caregiving and factors associated: A Multicentric study, ICMR
8. Effect of health and wellness centres under Ayushman Bharat on Out-of-pocket expenditure of Geriatric population: A Multicentric study, ICMR

#### As Co-Investigator

1. A Prospective Cohort Study to Evaluate the Severity, Risk Factors and Outcomes of SARS-CoV-2 infection and Correlation of Clinical Outcomes with Virus Variants": CDSA-THSTI
2. Global Health Research Centre for Multiple Long-Term Conditions: Funded under NIHR, jointly with PHFI and University of Kathmandu.
3. Evaluation of a health system-based intervention on change in thrombolysis rate in ST segment elevated myocardial infarction (STEMI) acute coronary syndrome (ACS) across selected districts of the country – A health implementation research project.
4. Pathways to Resilience and Mental Health (PARAM), NIMHANS Bengaluru
5. Detecting Behavioral Health Disorders of Older Adults using Self-supervised Learning and Causal Reasoning, IIT Jodhpur

### Completed:

#### As Principal Investigator

1. Mapping the entire bidi trade in the seven largest bidi producing states, and identify gaps in legal and illicit bidi manufacture: Bloomberg Initiative to Reduce Tobacco Use Grant
2. Exposure to Second Hand Smoke and COVID-19 infection severity: Multicentre case-control study, GHAI
3. Situational Analysis of Health care facility and Community preparedness for implementation of Govt. of India Guidelines for Gestational Diabetes Mellitus- ICMR Pilot study.

**Scientific Awards/Patents**

1. Fellow of National Academy of Medical Sciences (FAMS), NAMSCON 2023, Bengaluru, October 2023
2. Fellowship of IPHA (FIPHA), IPHACON 2023, Kolkata, April 2023

**Membership/Post in Journal or Society or Association**

1. Editor in Chief; Indian Journal of Community Medicine
2. Secretary; IAPSM, Rajasthan Chapter

**National/ International Conferences attended**

1. 68<sup>th</sup> Annual National Conference of Indian Public Health Association (IPHACON 2024), Manali (HP), March 2024
2. IAPSMCON 2024, Kasturba Medical College, Mangalore, February 2024
3. 63<sup>rd</sup> Annual Conference of NAMS at Ramaiah Medical College, Bengaluru, October 2023
4. The Union World Conference on Lung Health 2023. Paris, November 2023
5. 67<sup>th</sup> Annual National Conference of Indian Public Health Association (IPHACON 2023), April 2023
6. 4<sup>th</sup> Annual Conference of Epidemiology Foundation of India (EFICON 2023), Government Medical College, Goa, 30<sup>th</sup> September – 1<sup>st</sup> October 2023
7. IAPSMRAJCON 2023 organized by Dr. S.N. Medical College, Jodhpur, 16<sup>th</sup> – 17<sup>th</sup> December 2023
8. 4<sup>th</sup> IAPSM-Young Leaders' National Conference, Ludhiana, 04<sup>th</sup> – 06<sup>th</sup> November 2023

**Name of Faculty: Dr Neeti Rustagi****Designation: Professor****Sessions Chaired**

1. Invited Expert in CAPHER India Consultation on " Air Pollution and Health in India-Actions for moving forward on Science, Policy, Programme and Community engagement", 17<sup>th</sup> November 2023, Board room, AIIMS New Delhi

**Resource Faculty**

1. Pre- Conference Workshop Resource Person for "Enhance your skills on mixed methods research". 51<sup>st</sup> Annual National Conference of Indian Association of Prevention and Social Medicine IAPSMCON 2024, 6<sup>th</sup> Feb 2024, Mangalore.
2. Pre- Conference Workshop Resource Person for "Point of Care Quality Improvement" 51<sup>st</sup> Annual National Conference of Indian Association of Prevention and Social Medicine IAPSMCON 2024, 6<sup>th</sup> Feb 2024, Mangalore
3. Pre- Conference Workshop Coordinator and Resource Person for " Gender based vulnerabilities at household level: Health impact, Role of health professionals and Research opportunities" 51<sup>st</sup> Annual National Conference of Indian Association of Prevention and Social Medicine IAPSMCON 2024, 7<sup>th</sup> Feb 2024, Mangalore

## **Research Project**

### **Ongoing:**

#### **As Principal Investigator**

1. ICMRs Multistate Implementation Research Study on Suicide Risk Reduction and Improving Mental Well Being Among School and College Students \_ funded by ICMR
2. Burden and sequelae of influenza, SARS CoV-2 and other respiratory viruses associated Severe Acute Respiratory Infections among adult Indian population aged 18-60 years . funded by Centers for Disease Control and Prevention (CDC).
3. Mental Health Systems Assessment for state of Rajasthan as part of National Mental Health Survey 2. funded by Ministry of Health and Family Welfare.

### **Completed:**

#### **As Principal Investigator**

1. Assessment of work performance of ASHA in population based screening of Non-Communicable disease (NCDs)- A multi- site study. Funding Agency -WHO

## **Scientific Awards/Patents**

1. Received Dr. S.D. Gaur Best Paper Award on “Environmental Health Practice”, IPHACON 2024, Manali, 14<sup>th</sup> - 16<sup>th</sup> March 2024

## **Examinership**

1. External examiner at AIIMS Raipur for UG MBBS, 22<sup>nd</sup> - 25<sup>th</sup> January 2024
2. Online Interview for SR Examination at AIIMS, Kalyani, 27<sup>th</sup> February 2024.
3. Examiner for MD Examination in the subject of Community medicine PG AIIMS Jodhpur, 8<sup>th</sup> - 9<sup>th</sup> December 2023

## **Membership/Post in Journal or Society or Association**

1. Joint Organizing Secretary; Indian Association of Epidemiology

## **National/ International Conferences attended:**

1. 68<sup>th</sup> Annual National Conference of Indian Public Health Association, Manali, 15<sup>th</sup> - 17<sup>th</sup> March 2024
2. 51<sup>st</sup> Annual National Conference of Indian Association of Preventive and Social Medicine (IAPSMCON 2024) , 8<sup>th</sup> - 10<sup>th</sup> Feb 2024, Mangalore, Karnataka

**Name of Faculty: Dr. Srikanth Srinivasan**

**Designation: Additional Professor**

## **Books / Chapters**

1. Drafting Team Member: Palliative Care Nursing – BSc Nursing Semester IV – Pallium India

## **Sessions Chaired**

1. IAPSMRAJCON 2023 at S N Medical College, Jodhpur, 16 December 2023

### Invited Lectures

1. World Heart Day at Consumer Voice Forum, September 2023, New Delhi.
2. Medical Entomology Workshop, TROPACON 2023, 26<sup>th</sup> October 2023 AIIMS Jodhpur, Rajasthan
3. Home based Palliative Care in present NCD surge'. KIMS COM CON 2024, Karpaga Vinayaga Institute of Medical Sciences and Research Centre, 2<sup>nd</sup> February 2024, Tamilnadu.
4. Palliative Care Awareness sessions at Government Medical College, May 2023 & October 2023, Barmer and Pali

### Symposium Speaker

1. Parasitic Infections and Growth Retardation, TROPACON 2023, 28<sup>th</sup> October 2023, AIIMS Jodhpur

### Resource Faculty

1. Pain Management Session (Online), Palliative Care Program, 3<sup>rd</sup> June 2023, DNipCare NGO
2. TOT programs on Comprehensive Geriatric Care for Medical Officers of Govt. of Rajasthan, , July 2023, AIIMS Jodhpur
3. Quiz Team Member in IAPSMRAJCON 2023, 16<sup>th</sup> December 2023, S N Medical College, Jodhpur
4. Scientific Session on Health Program and Policies in IAPSMRAJCON 2023 conference, 16<sup>th</sup> December 2023, S N Medical College, Jodhpur
5. Medical Education Workshop for Faculty AIIMS Jodhpur, 23<sup>rd</sup> September 2023 & 16<sup>th</sup> March 2024.
6. Executive Program in Public Health Policy Course, AIIMS Jodhpur

### Resource Faculty

1. TROPACON 2023, AIIMS Jodhpur, 26<sup>th</sup> October 2023
2. IAPSMRAJCON 2023, S N Medical College, Jodhpur, 16<sup>th</sup> December 2023

### Research Projects

#### Ongoing

#### As Principal Investigator

1. Effectiveness of diabetes registry on quality of care and clinical outcomes of diabetes mellitus patients of rural and urban health centres of AIIMS Jodhpur, an interventional operation research – Intramural Project since March 2022.

#### Co-Investigator

1. Community Behaviour and its determinants in relation to Malaria prevention and control (under MERA) in Rajasthan. *Malaria* Elimination Research Alliance (MERA) India, Multicentric Study. CMFM
2. Cipla Home Based Palliative Care CSR Project: Pain & Palliative Care, Dept. of Anaesthesiology & Critical Care
3. Randomized, multi-centric, comparative, blinded, parallel group, prospective study to determine clinical efficacy and safety of Theruptor Sterile Barrier Wound Dressing of CareNow in comparison with Bactigras of Smith & Nephew and Allevyn of Smith & Nephew on wound healing in patients with chronic infected wounds. Department of Surgery

**Completed:**

**Principal Investigator**

1. Integrated community based palliative home care of chronic debilitated patients-a novice approach in Jodhpur” – Extramural ICMR Project, since September 2021.

**Co-Investigator**

1. SEAR NCD – Review of WHO Pen Strategies in preservice courses in health and medical courses to build an NCD ready workforce to deliver people centred services.
2. Environmental determination of SARS-CoV-2, transmission and spread of Mucormycosis: An exploratory study. ICMR NIRNCD, Jodhpur.
3. A double blinded randomized multicentric parallel group active controlled clinical trial comparing the efficacy of Mupirocin ointment of Apex Laboratories Pvt. Ltd with Mupirocin ointment (T-Bact) of GSK, in the treatment of superficial primary bacterial skin infections.

**Examinership**

1. External Examiner for 3<sup>rd</sup> Professional MBBS Examination, Govt. Medical College, Pali, January 2024
2. External Examiner for 3<sup>rd</sup> Professional MBBS Examination, AIIMS Mangalagiri, February 2024

**Membership / Post in Journal or Society or Association**

1. Reviewer ; Indian Journal of Community Medicine
2. Reviewer; Palliative Medicine Reports
3. Reviewer; Indian Journal of Public Health
4. Reviewer; Indian Academy of Geriatrics
5. Member; Epidemiology Foundation of India
6. Member; International Journal of Preventive and Evidence based Medicine (IJPEM)

**National / International Conferences attended**

1. Training Program on Public Health Emergency and Disaster Management (PHEDM) of NIDM MHA & NCDC Govt. of India, Udaipur, July 2023

**Any other Information:**

**Student Innovation and Research Initiative (SIRI): 1**

- i) A comparative study on pulmonary function among normal and obese patients in a tertiary care hospital in Jodhpur

**Name of Faculty: Dr. Manoj Kumar Gupta**

**Designation: Additional Professor**

**Books/Chapters:**

- i) Raghav P, Gupta MK. Occupational Health. In IAPSM Textbook of Community Medicine, 3rd ed. JAYPEE publisher 2024

**Papers Presented**

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1. Rout B, Gupta MK, Saini L, Sharma PP, Goel AD, Bhardwaj P. Assessment of Quality of life of Cerebral Palsy children and their primary caregivers in western Rajasthan. 4th Annual Conference of Epidemiology Foundation of India [EFICON 2023], 30<sup>th</sup> September – 1<sup>st</sup> October 2023, Government Medical College, Goa
2. Rout B, Gupta MK, Saini L, Sharma PP, Goel AD, Bhardwaj P. Predictors of Quality of Life of Caregivers of Children suffering with Cerebral Palsy: An Observation from an apex Institution of Western Rajasthan. APSMRAJCON 2023, 16<sup>th</sup> – 17<sup>th</sup> December 2023, Dr. S.N. Medical College, Jodhpur
3. Khan A, Nebhinani N, Gupta MK, Nebhinani M, Joshi N, Bhardwaj P. Workplace-Related Stress, Burnout, and Satisfaction Among ASHA Workers of Jodhpur. IAPSMRAJCON 2023, 16<sup>th</sup> - 17<sup>th</sup> December 2023, Dr. S.N. Medical College, Jodhpur
4. Khan A, Gupta MK, Nebhinani N, Nebhinani M, Bhardwaj P. Workplace related Stress, Burnout and Satisfaction among ASHA Workers of Jodhpur. 4th Annual Conference of Epidemiology Foundation of India [EFICON 2023], 30<sup>th</sup> September – 1<sup>st</sup> October 2023, Government Medical College, Goa
5. Singh R, Goel AD, Aswathy S R, Gupta MK, Rustagi N, Bhardwaj P, Raghav P. A Narrative Review on Sexual Health Education Intervention for Improving Knowledge, Attitude and Practice related to Sexual and Reproductive Health among Adolescents. IAPSMRAJCON 2023, 16<sup>th</sup> - 17<sup>th</sup> December 2023, Dr. S.N. Medical College, Jodhpur
6. Harsha, Bhardwaj A, Gupta MK, Bhardwaj P, Joshi NK, Mohanan G. Assessment of the Perceived Stigma, Quality of Life, Functional activity and Awareness of available services among people affected with leprosy residing in leprosy communities in Jodhpur: A cross-sectional study. IAPSMRAJCON 2023, 16<sup>th</sup>-17<sup>th</sup> December 2023, Dr. S.N. Medical College, Jodhpur
7. Ram S, Naveen K H, Bhardwaj P, Srinivasan S, Gupta MK, Sharma PP. Professional fulfillment and its correlation with happiness, spiritual intelligence, resilience and burnout among clinical nurses at tertiary health centers in India: A cross-sectional study. IAPSMRAJCON 2023, 16<sup>th</sup> – 17<sup>th</sup> December 2023, Dr. S.N. Medical College, Jodhpur
8. Sharma S, Deora S, Gupta MK, Kumar P, Madnani P, Joshi N, Bhardwaj P. Assessment of Periodontitis In Chronic Heart Failure Patients Attending A Tertiary Care Facility In Jodhpur And Its Relationship With Nt-ProBNP". International Society for Heart Research(Indian Section) and the International Academy of Cardiovascular Sciences (India Section), 16<sup>th</sup> – 19<sup>th</sup> February 2024, AIIMS Jodhpur
9. Sharma S, Deora S, Gupta MK, Kumar P, Madnani P, Joshi N, Bhardwaj P. Periodontitis In Chronic Heart Failure Patients Attending A Tertiary Care Facility In Jodhpur And Its Relationship With Nt-ProBNP. 4th IAPSM-Young Leaders' National Conference, 04<sup>th</sup> -06<sup>th</sup> November 2023, Ludhiana.
10. Sharma S, Deora S, Gupta MK, Kumar P, Madnani P, Joshi N, Bhardwaj P. Periodontitis In Chronic Heart Failure Patients Attending A Tertiary Care Facility In Jodhpur And Its Relationship With Nt-ProBNP, presented during IAPSMRAJCON 2023, 16<sup>th</sup> – 17<sup>th</sup> December 2023, Dr. S.N. Medical College, Jodhpur
11. Siroya K, Goyal JP, Bhardwaj P, Goel AD, Mohanan G, Kaushal R, Gupta MK, Joshi N. Association between Asthma Control status and Quality of Life among adolescents visiting a tertiary care facility in Western Rajasthan, India. IAPSMRAJCON 2023, 16<sup>th</sup> – 17<sup>th</sup> December 2023, Dr. S.N. Medical College, Jodhpur
12. Harsha, Bhardwaj A, Gupta MK, Bhardwaj P. Assessment of the perceived stigma, quality of life, functional activity and awareness of available services among people affected with leprosy residing in leprosy communities in Jodhpur: A cross-sectional study. IAPSMRAJCON 2023, 16<sup>th</sup> – 17<sup>th</sup> December 2023, Dr. S.N. Medical College, Jodhpur

13. Tharini M K, Mittal M, Mohanan G, Goel AD, Sharma S, Kumar P, Gupta MK, Bhardwaj P. Association between Anemia and Fluorosis among patients visiting a tertiary care hospital in Western Rajasthan, India. IAPSMRAJCON 2023, 16<sup>th</sup> – 17<sup>th</sup> December 2023, Dr. S.N. Medical College, Jodhpur
14. Garg T, Goel AD, Joshi N, Singh P, Gupta MK, Bhardwaj P. Assessment of the 'Shakti Divas' program for Anemia Mukta Rajasthan, presented during IAPSMRAJCON 2023, 16<sup>th</sup> – 17<sup>th</sup> December 2023, Dr. S.N. Medical College, Jodhpur
15. Tyagi R, Gupta MK, Raghav P. Recalibrating the Non communicable diseases risk prediction tools for the Rural Population of Western India. Indian Conference on Med-Tech Innovations, 22<sup>nd</sup> – 24<sup>th</sup> February 2024, IIT Jodhpur
16. Joshi NK, Bhardwaj P, Goel AD, Gupta MK. Strategies and Outcomes of TB Mukta Gram Panchayat program in Rajasthan. 68th Annual National Indian Public Health Association Conference (IPHACON 2024), Atal Bihari Vajpayee Institute of Mountaineering and Allied Sports, 15<sup>th</sup> – 17<sup>th</sup> March 2024, Manali, Himachal Pradesh

### Sessions Chaired

1. Judge for paper Presentation on “Non Communicable Diseases”. 68th Annual National Indian Public Health Association Conference (IPHACON 2024), Atal Bihari Vajpayee Institute of Mountaineering and Allied Sports, 15<sup>th</sup> – 17<sup>th</sup> March 2024, Manali, Himachal Pradesh
2. Judge for paper Presentation on “Digital Health” . 51st Annual National Conference of the Indian Association of Preventive and Social Medicine (IAPSMCON 2024), 8<sup>th</sup> – 10<sup>th</sup> February 2024, Kasturba Medical College, Mangalore
3. Judge for paper Presentation on “Adolescent Health” . IAPSMRAJCON 2023, 16<sup>th</sup> – 17<sup>th</sup> December 2023, Dr. S.N. Medical College, Jodhpur
4. Judge for paper Presentation on “The hypertension pandemic - can we bell the cat”. 4th Annual Conference of Epidemiology Foundation of India [EFICON 2023] , 30<sup>th</sup> September – 1<sup>st</sup> October 2023, Government Medical College, Goa
5. Judge for paper Presentation on Mental Health during EFICON 2023, 31<sup>st</sup> September – 1<sup>st</sup> October 2023, Goa .
6. Judge for Poster Presentation on Adolescent Health during 67th Annual National Indian Public Health Association Conference (IPHACON 2024), 7<sup>th</sup> – 9<sup>th</sup> April 2023, Kolkata

### Resource Faculty

1. Resource Person for the workshop on “Operational Research- NTEP, Rajasthan” , 30<sup>th</sup> – 31<sup>st</sup> October 2023, AIIMS Jodhpur.
2. Invited to Karolinska Institutet, Stockholm, Sweden during September 22-28, 2023 to take part in implementation meeting of project “m-Health based intervention by community workers to support family care-givers to persons with dementia living at home”. The project is funded within Sweden-India call from Swedish Research Council for Health, Working Life and Welfare (Forte) and Indian Medical Research Council (ICMR).

### Research Projects

#### Ongoing

#### As Principal Investigator

1. Psychosocial Status and Quality of Life of Adolescent Girls in rural areas of Jodhpur



**As Co-Investigator**

1. Prioritizing hypertension control and care by strengthening primary health care: Global Health Advocacy Incubator, Tobacco-Free Kids, Bloomberg Philanthropies
2. Mapping the entire bidi trade in the seven largest bidi producing states, and identify gaps in legal and illicit bidi manufacture: Bloomberg Initiative to Reduce Tobacco Use Grant through The UNION. Bloomberg Philanthropies
3. Integrated Community Based Palliative Home Care of Chronic Debilitated Patients – A novice approach in Jodhpur
4. National Clinical Registry of COVID-19: including two sub studies on “Factors associated with sudden deaths among adults aged 18–45 years, India: Multicentric matched case-control study” and “Effect of COVID-19 vaccines on thrombotic events among 18-45 years old population in India 2022: A multicentric hospital based matched case control study”
5. m-health based intervention by community health workers to support family caregivers to persons with dementia living at home- ICMR-FORTE, a joint Study funded under India Sweden Call on Geriatric Care.
6. Situational Analysis of Health Care Facility and Community Preparedness for Implementing Govt. of India Guidelines for Gestational Diabetes Mellitus
7. Epidemiology of Pancreatitis and Major Gastrointestinal Diseases: A multi-center study across India
8. Clinical Radiological manifestations of COVID 19 patients developing subcutaneous emphysema

**Completed:****As Principal Investigator**

1. Efficacy and safety of Punarnavadi Mandura alone and in combination with Drakshavaleha compared to iron folic acid in the treatment of moderate iron deficiency anaemia among non-pregnant women of reproductive age group: a community-based three arm multicentre randomized controlled trial
2. Prevalence of depression, anxiety and stress among school going children (13-19 years) in Jodhpur

**As Co-Investigator**

1. Prioritizing hypertension control and care by strengthening primary health care: Global Health Advocacy Incubator, Tobacco-Free Kids, Bloomberg Philanthropies
2. Mapping the entire bidi trade in the seven largest bidi producing states, and identify gaps in legal and illicit bidi manufacture: Bloomberg Initiative to Reduce Tobacco Use Grant through The UNION. Bloomberg Philanthropies
3. Integrated Community Based Palliative Home Care of Chronic Debilitated Patients – A novice approach in Jodhpur
4. National Clinical Registry of COVID-19: including two sub studies on “Factors associated with sudden deaths among adults aged 18–45 years, India: Multicentric matched case-control study” and “Effect of COVID-19 vaccines on thrombotic events among 18-45 years old population in India 2022: A multicentric hospital based matched case control study”
5. m-health based intervention by community health workers to support family caregivers to persons with dementia living at home- ICMR-FORTE, a joint Study funded under India Sweden Call on Geriatric Care.
6. Situational Analysis of Health Care Facility and Community Preparedness for Implementing Govt. of India Guidelines for Gestational Diabetes Mellitus

7. Epidemiology of Pancreatitis and Major Gastrointestinal Diseases: A multi-center study across India
8. Regional Institute for HIV Surveillance and Epidemiology activities established under the National AIDS Control Programme, Ministry of Health & Family Welfare, Government of India
9. Psychosocial and Economic Effect of Dementia Caregiving and Factors Associated: A Multicentre Study
10. Effect of Health and Wellness Centres under Ayushman Bharat on the Out-of-pocket Expenditure of Geriatric Population: A Multicenter Study
11. Factors associated with sudden deaths among adults aged 18–45 years, India: Multicentric matched case-control study
12. Effect of COVID-19 vaccines on thrombotic events among 18-45 years old population in India 2022: A multicentric hospital based matched case control study
13. A Phase III, Multicenter, Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Efficacy, Immunogenicity and Safety of Single dose of “DengiAll”, a Live Attenuated Recombinant, Lyophilized Tetravalent Dengue Vaccine (TDV) in Healthy Indian Adults

#### **Membership/ Post in Journal or Society or Association**

1. Fellowship; Indian Association of Preventive and Social Medicine (FIAPSM)
2. Joint Editor; Indian Journal of Community Medicine
3. Joint Secretary; IAPSM Rajasthan chapter

#### **National/ International Conferences attended**

1. 4th Annual Conference of Epidemiology Foundation of India [EFICON 2023], Government Medical College, Goa, 30<sup>th</sup> September – 1<sup>st</sup> October 2023
2. IAPSMRAJCON 2023, Dr. S.N. Medical College, Jodhpur, 16<sup>th</sup> – 17<sup>th</sup> December 2023
3. 68th Annual National Indian Public Health Association Conference (IPHACON 2024), Atal Bihari Vajpayee Institute of Mountaineering and Allied Sports, Manali, Himachal Pradesh, 15<sup>th</sup> – 17<sup>th</sup> March 2024
4. 51<sup>st</sup> Annual National Conference of the Indian Association of Preventive and Social Medicine (IAPSMCON 2024), Kasturba Medical College, Mangalore, 8<sup>th</sup> - 10<sup>th</sup> February 2024

#### **Any other information:**

1. Jointly Organized workshop on the “National Program for Prevention and Control of Non-Communicable Diseases” at NIHF, New Delhi on 3rd August 2023
2. Attend the training on “Programmatic MPSE (p-MPSE) pilot for Clients of Sex Workers and MSM & H/TG people Operating Through Virtual Applications-2023” organized by NACO in Delhi on 12th July 2023.
3. Attended training on “Psychological and Economic effect of Dementia caregiving” on 22nd June 2023, at ICMR Kolkata, West Bengal
4. Attended training on “Effect of HWCs under Ayushman Bharat on Out of pocket expenditure of Geriatric population” on 23rd June 2023, at ICMR Kolkata, West Bengal
5. Jointly Organized IJCM Editorial Board Meeting at Mangalore during IAPSMCON 2024, on 9<sup>th</sup> February 2024.
6. Jointly Organized IJCM Editorial Board Meeting at Bangalore, on 26<sup>th</sup> August 2023.

7. Jointly Organized project presentation session for “IJCM Ford Foundation Research Grant” at Mangalore during IAPSMCON 2024, on 9<sup>th</sup> February 2024.

**Name of Faculty: Dr. Naveen K H**

**Designation: Additional Professor**

#### **Papers Presented**

1. Naveen K H. Oral paper presentation 'Effect of tele-yoga on burnout, mental health and immune markers of health care workers on COVID-19 duty: an open-label parallel group pilot randomized controlled trial' during YANTRA conference , 2<sup>nd</sup> international conference organized by dept. of Integrative Medicine, 23<sup>rd</sup> -25<sup>th</sup> November 2023, NIMHANS, Bengaluru
2. Professional Fulfilment and its correlation with Happiness, and Spiritual Intelligence among Clinical Nurses at Tertiary Health Centers in India: A Cross-sectional Study. Oral presentation by Dr. Twinkle Mourya (PG student) at the 4<sup>th</sup> IAPSM Young Leaders' National Conclave, 4<sup>th</sup> -5<sup>th</sup> November 2023, Dayanand Medical College and Hospital, Ludhiana, Punjab.
3. Assessment of Quality of Life among people with Type-2 Diabetes residing in Urban Jodhpur. Poster presentation by Dr. Kumari Harshita (PG student) during 67<sup>th</sup> Annual National Conference of IPHA, 7<sup>th</sup> -9<sup>th</sup> April 2023, Kolkata.
4. Situational analysis on implementation of National Programme for Palliative Care in Jodhpur: An exploratory study. Oral presentation by Dr. Jyoti Jethwani (MPH student) during 12<sup>th</sup> Annual Conference of IAPSM RAJCON, 16<sup>th</sup> -17<sup>th</sup> December 2023, SNMC, Jodhpur.
5. Exploring palliative care education in the medical and nursing colleges of Jodhpur: Qualitative study". Oral presentation by Dr. Jyoti Jethwani (MPH student) at International conference of the Indian Association of Palliative Care (IAPCON) 2024, 9<sup>th</sup> -11<sup>th</sup> February 2024, Department of Palliative Medicine, Gujarat Cancer and Research Institute (GCRI), Ahmedabad, Gujarat.
6. Professional fulfilment and its correlation with happiness, spiritual intelligence, resilience and burnout among clinical nurses at tertiary health centers in India: A cross-sectional study. Oral presentation by Sitaram (MPH student) 12<sup>th</sup> Annual Conference of IAPSM RAJCON, 16<sup>th</sup> -17<sup>th</sup> December 2023, SNMC, Jodhpur.
7. Assessment of Outcomes and risk factors of gestational diabetes mellitus(GDM) Mother delivered at a tertiary care health facility in Jodhpur. Oral presentation by Dr. Ridhi Jain (MPH student) 12<sup>th</sup> Annual Conference of IAPSM RAJCON, 16<sup>th</sup> -17<sup>th</sup> December 2023, SNMC, Jodhpur.

#### **Sessions Chaired**

1. Judge for oral paper presentation during 12<sup>th</sup> IAPSM RAJCON 2023, 16<sup>th</sup> -17<sup>th</sup> December 2023 , SNMC, Jodhpur
2. Chaired a session on 'Mind Body Medicine – Bridging the gap in adolescent health care' during IAPSM RAJCON 2023, 16<sup>th</sup> -17<sup>th</sup> December 2023, SNMC, Jodhpur
3. Judge for poster presentation during 51<sup>st</sup> Annual National conference of IAPSM, 8<sup>th</sup> -10<sup>th</sup> February 2024 , KMC, Mangalore, Karnataka.

#### **Invited Lectures**

1. Guest speaker at National Seminar held during 9<sup>th</sup> International Day of Yoga, 23<sup>rd</sup> June 2023, Dept. of Yoga , Central University of Rajasthan, Kishangarh

**Symposium Speaker**

1. Panelist in the panel discussion on the topic 'Parasitic infections and growth retardation' during TROPACON 2023, 26<sup>th</sup> -29<sup>th</sup> October 2023, AIIMS Jodhpur

**Resource Faculty**

1. Resource person for Executive Program in Public Health Policy, Leadership and Management

**Research Project****Ongoing:****As Principal Investigator**

1. Comparative study on the effect of 2 types of relaxation technique on stress and cardiac oscillations among healthy volunteers: A Pilot study. Non funded

**As Co-Investigator**

1. Assessment of urinary carcinogens level and urine cytology among industry and non-industry workers in Jodhpur. ICMR Extramural project
2. Profile and treatment outcome of patients presenting with urethritis at AIIMS, Jodhpur: A prospective study. Intramural project
3. Exploring adherence to Yoga and physical activity among health care personnel: A mixed method study. Non funded project
4. Efficacy and safety of Punarnavadi Mandura alone and in combination with Drakshavaleha compared to iron folic acid in the treatment of moderate iron deficiency anaemia among non-pregnant women of reproductive age group: a community-based three arm multicentre randomized controlled trial
5. Geriatric cognitive impairment and Ayurvedic drug intervention under Ayush ICMR-Advanced Center for Integrative Health Research (AI-ACIHR)

**Completed:****As Co-Investigator**

1. A randomized, double-blind, placebo-controlled, multi-centric, trial to determine the therapeutic efficacy of Ayush medicine NOQ19 in treatment of symptomatic COVID-19 patients along with standard allopathic treatment. Industry sponsored project
2. Evaluation of the effectiveness of the National Health Mission (NHM) policy of mainstreaming and co-locating AYUSH within Primary Health Care. Multicentric project initiated by AIIMS, Bibinagar

**Scientific Awards/Patents**

1. Completed Certificate Course in Integrative Medicine (CCIM) from Dept. of Integrative Medicine, NIMHANS, Bengaluru (Batch July-December 2023)
2. Received Best Outgoing Student award in CCIM-2023, from Dept. of Integrative Medicine, NIMHANS, Bengaluru

**Examinership**

1. National reviewer for Ph.D thesis - SVYASA University, Bengaluru

2. External examiner for MSc Yoga at Dept. of Integrative Medicine, NIMHANS, Bengaluru (July 2023)

#### **National/ International Conferences attended:**

1. YANTRA 2<sup>nd</sup> International conference organized by Dept. of Integrative Medicine at NIMHANS Bengaluru, 23<sup>rd</sup> -25<sup>th</sup> November 2023.
2. 12<sup>th</sup> IAPSM RAJCON 2023, SNMC, Jodhpur, 16<sup>th</sup> -17<sup>th</sup> December 2023
3. 51<sup>st</sup> Annual National conference of IAPSM, KMC, Mangalore, Karnataka, 8<sup>th</sup> -10<sup>th</sup> February 2024

**Name of Faculty: Dr. Prem Prakash Sharma**

**Designation: Additional Professor**

#### **Papers Presented:**

1. Rout B, Gupta MK, Saini L, Sharma PP, Goel AD, Bhardwaj P. Assessment of Quality of life of Cerebral Palsy children and their primary caregivers in western Rajasthan. 4th Annual Conference of Epidemiology Foundation of India [EFICON 2023], 30<sup>th</sup> September – 1<sup>st</sup> October 2023, Government Medical College, Goa
2. Rout B, Gupta MK, Saini L, Sharma PP, Goel AD, Bhardwaj P. Predictors of Quality of Life of Caregivers of Children suffering with Cerebral Palsy: An Observation from an apex Institution of Western Rajasthan. APSMRAJCON 2023, 16<sup>th</sup> – 17<sup>th</sup> December 2023, Dr. S.N. Medical College, Jodhpur
3. Ram S, Naveen K H, Bhardwaj P, Srinivasan S, Gupta MK, Sharma PP. Professional fulfillment and its correlation with happiness, spiritual intelligence, resilience and burnout among clinical nurses at tertiary health centers in India: A cross-sectional study. IAPSMRAJCON 2023, 16<sup>th</sup> – 17<sup>th</sup> December 2023, Dr. S.N. Medical College, Jodhpur

#### **Research Project**

##### **Ongoing**

##### **As Co-Investigator**

:

1. Quality of life, Physical and mental wellbeing with yoga therapy in Head and Neck cancer patients managed by surgery first as curative intent treatment: A randomized control trial.
2. Role of regulatory T-cells (Tregs) monitoring with complement-dependent cytotoxicity and Flow-cytometric cross match in ABO-compatible renal transplant recipients: A prospective cross-sectional study.
3. Feasibility, Safety and Efficacy of Co2 insulation assisted peritonectomy as compared to conventional stripping in patients undergoing cytoreductive surgery for carcinoma ovary : A randomized controlled trial.
4. Estimation of Soluble fms-like tyrosine kinase-1 (sFlt-1) and Placental growth factor (PIGF) ratio for differentiating Small for Gestational age (SGA) and Fetal Growth Restriction (FGR)– A Prospective Cross-sectional study.
5. Economically viable model for tobacco cessation in Rajasthan.
6. Innovative Health intervention among tribal women for improvement in maternal and early infant health care practices in aspirational district Sirohi, Rajasthan

7. Predictive Value of Progression of various stages of depression to suicide by epigenetic modification of FKBP 5 gene.

### **Completed**

#### **As Co-Investigator**

1. Nutritional status and morbidities among geriatric women attending outpatient department of rural health centers in Jodhpur.
2. Epidemic preparedness of primary and secondary level government healthcare facilities and the impact of COVID-19 on routine health services in Jodhpur –A mixed methods approach.
3. Suction cannula design for safe microsurgery.

#### **Membership in Society:**

1. Member; Fellow of Royal Statistical Society Membership no: 217032

#### **Any Other Information:**

1. During the whole year a total of 90 classes were taken for teaching Biostatistics to students of MBBS, MD, MPH, MSc (Nursing), MD (Ayurved) and PhD (Ayurved).

### **Name of Faculty: Dr. Akhil Dhanesh Goel**

#### **Designation: Additional Professor**

#### **Books/Chapters**

1. Bhardwaj P, Goel AD. General Epidemiology of Infectious Diseases and its Prevention and Control. In IAPSM's Textbook of Community Medicine, Editor-in-Chief AM Kamdri, 3rd edition, Jaypee 2024: pp 248-259.
2. Kaur R, Goel AD. Child Health. In IAPSM's Textbook of Community Medicine, Editor-in-Chief AM Kadri, 3rd edition, Jaypee 2024: pp 685-703.
3. Goel AD. Search Strategy for Systematic Review and Metaanalysis. In Textbook of Comprehensive Research Methodology. Editors: Sanjay Zodpey, Rashmi Kundapur, Deepthi R, Anusha Rashmi, Suthanthira Kannan. Jaypee 2024

#### **Papers Presented**

1. Singh R, Goel AD, Aswathy S R, Gupta MK, Rustagi N, Bhardwaj P, Raghav P. A Narrative Review on Sexual Health Education Intervention for Improving Knowledge, Attitude and Practice related to Sexual and Reproductive Health among Adolescents. IAPSMRAJCON 2023, 16<sup>th</sup> - 17<sup>th</sup> December 2023, Dr. S.N. Medical College, Jodhpur
2. Gini Index Applications in Addressing HIV-Related Socio-Economic Inequality: A Comprehensive Scoping Analysis, Presented in RAJIPASMCON 2023
3. Prevalence of Depression among People Living with HIV/AIDS in India: A Systematic Review and Metanalysis
4. Mapping Nutritional status of Adolescent living with HIV in India: A Narrative Review

5. Jain YK, Bhardwaj P, Joshi NK, Gupta MK, Goel AD, Sharma P. Oral Presentation: "Health Burden due to Cigarette, Bidi and Smokeless Tobacco Consumption in Rajasthan", 67th Annual National Conference of Indian Public Health Association (IPHACON 2023). April 2023
6. Joshi V, Bhardwaj P, Joshi NK, Jain YK, Gupta MK, Goel AD, Singh K. Oral Presentation: "Assessment of mHealth Interventions in India: A Systematic Review", 67th Annual National Conference of Indian Public Health Association (IPHACON 2023). April 2023
7. Rout B, Gupta MK, Saini L, Sharma PP, Goel AD, Bhardwaj P. Assessment of Quality of life of Cerebral Palsy children and their primary caregivers in western Rajasthan. 4th Annual Conference of Epidemiology Foundation of India [EFICON 2023], 30<sup>th</sup> September – 1<sup>st</sup> October 2023, Government Medical College, Goa
8. Rout B, Gupta MK, Saini L, Sharma PP, Goel AD, Bhardwaj P. Predictors of Quality of Life of Caregivers of Children suffering with Cerebral Palsy: An Observation from an apex Institution of Western Rajasthan. APSMRAJCON 2023, 16<sup>th</sup> – 17<sup>th</sup> December 2023, Dr. S.N. Medical College, Jodhpur
9. Siroya K, Goyal JP, Bhardwaj P, Goel AD, Mohanan G, Kaushal R, Gupta MK, Joshi N. Association between Asthma Control status and Quality of Life among adolescents visiting a tertiary care facility in Western Rajasthan, India. IAPSMRAJCON 2023, 16<sup>th</sup> – 17<sup>th</sup> December 2023, Dr. S.N. Medical College, Jodhpur
10. Tharini M K, Mittal M, Mohanan G, Goel AK, Sharma S, Kumar P, Gupta MK, Bhardwaj P. Association between Anemia and Fluorosis among patients visiting a tertiary care hospital in Western Rajasthan, India. IAPSMRAJCON 2023, 16<sup>th</sup> - 17<sup>th</sup> December 2023, Dr. S.N. Medical College, Jodhpur
11. Garg T, Goel AK, Joshi N, Singh P, Gupta MK, Bhardwaj P. Assessment of the 'Shakti Divas' program for Anemia Mukta Rajasthan, presented during IAPSMRAJCON 2023, 16<sup>th</sup> - 17<sup>th</sup> December 2023, Dr. S.N. Medical College, Jodhpur
12. Joshi NK, Bhardwaj P, Goel AD, Gupta M. Strategies and Outcomes of TB Mukta Gram Panchayat program in Rajasthan. 68th Annual National Indian Public Health Association Conference (IPHACON 2024), 15<sup>th</sup> – 17<sup>th</sup> March 2024, Atal Bihari Vajpayee Institute of Mountaineering and Allied Sports, Manali, Himachal Pradesh

#### Invited Lectures

1. National Workshop on Systematic Review and Meta-Analysis supported by Karyashala under SERB, Govt, 13<sup>th</sup> -20<sup>th</sup> January 2024, Department of Pharmacology, AIIMS, Jodhpur, and Center of Excellence for Tribal Health, AIIMS, Jodhpur.

#### Resource Faculty:

1. Contributed as an Online resource person in the Foundation course on Leadership in Public Health (FLPH) during the year 2023-24 (Batch 1), a course by IAPSM in collaboration with IIPH-Gandhinagar.
2. Contributed as Resource Faculty in the RSACP CME-themed Understanding the nitty-gritty of Scientific Publication on September 3, 2023, at AIIMS, Jodhpur.
3. Contributed as Resource Faculty in the "National Consultation on Economic Approaches in Bidi Use Reduction " on September 19-20, 2023 organized by the School of Public Health & The Union at AIIMS, Jodhpur.

4. Contributed as Resource Faculty for "Karnataka IAPSMCON PG Quiz 2023" during the 3rd State Conference of Indian Association of Preventive and Social Medicine, Karnataka Chapter", 15<sup>th</sup> – 16<sup>th</sup> September 2023, Karnataka.
5. Contributed as Judge for Poster Presentation in the 67th Annual National Conference of Indian Public Health Association (IPHACON), 7<sup>th</sup> -9<sup>th</sup> April 2023, Biswa Bangla Convention Center, Kolkata.
6. Participated in the workshop of "Integrated Bio-Behavioral Surveillance" conducted by NACO, 22<sup>nd</sup> - 24<sup>th</sup> June 2023, New Delhi
7. Judge for paper Presentation during 68<sup>th</sup> Annual National Indian Public Health Association Conference (IPHACON 2024) organized at Atal Bihari Vajpayee Institute of Mountaineering and Allied Sports, 15<sup>th</sup> - 17<sup>th</sup> March 2024, Manali, Himachal Pradesh
8. Judge for paper Presentation during 51<sup>st</sup> Annual National Conference of the Indian Association of Preventive and Social Medicine (IAPSMCON 2024), Kasturba Medical College, 8<sup>th</sup> - 10<sup>th</sup> February 2024, Mangalore
9. Judge for paper Presentation during 4<sup>th</sup> Annual Conference of Epidemiology Foundation of India [EFICON 2023] organized by Government Medical College, 30<sup>th</sup> September and 1<sup>st</sup> October 2023, Goa
10. Regional Training of Trainers (ToT) on Integrated Bio-Behavioral Surveillance (IBBS) among People Living with HIV/AIDS (PLHIV), 22<sup>nd</sup> -23<sup>rd</sup> November 2023, AIIMS Jodhpur
11. Regional Training of Trainers (ToT) on HIV Sentinel Surveillance among HRG and Bridge Population (HSS Plus 2023- 2024), 23<sup>rd</sup> -24<sup>th</sup> November 2023, AIIMS Jodhpur

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

1. Stigma and Discrimination among Key Population and PLHIV in Rajasthan. Funded by Rajasthan AIDS Control Society.

##### **As Co-Investigator**

1. National Clinical Registry of COVID-19: including two sub studies on “Factors associated with sudden deaths among adults aged 18–45 years, India: Multicentric matched case-control study” and “Effect of COVID-19 vaccines on thrombotic events among 18-45 years old population in India 2022: A multicentric hospital based matched case control study”
2. Prevalence of depression, anxiety and stress among school going children (13-19 years) in Jodhpur
3. Regional Institute for HIV Surveillance and Epidemiology activities established under the National AIDS Control Programme, Ministry of Health & Family Welfare, Government of India
4. A phase-III , Multicenter, Randomised, Double-blind, Placebo-controlled study to evaluate the efficacy, Immunogenicity and safety of single dose of Dengue Tetravalent vaccine, Live attenuated- “DengiAll”

#### **Completed**

##### **As Co-Investigator**

1. QOL and Drug Adherence among PLHIV in the western Rajasthan
2. Telemedicine Implementation and Effectiveness Research



3. Assessment of dietary factors and co-relation of genetic and metabolic abnormalities in children with renal stones in western India.

#### **Examinership**

1. External Examiner for conducting the final professional examination of Final MBBS in Community Medicine December 2023

#### **Membership/Post in Journal or Society or Association**

1. Joint Editor; Indian Journal of Community Medicine (2023-2024)
2. Treasurer; IAPSM Rajasthan chapter (2023-2024)

#### **National/ International Conferences attended:**

1. 67th Annual National Conference of Indian Public Health Association (IPHACON), Biswa Bangla Convention Center, Kolkata, 7<sup>th</sup> -9<sup>th</sup> April 2023.
2. 4<sup>th</sup> Annual Conference of Epidemiology Foundation of India [EFICON 2023] organized by Government Medical College, Goa, 30<sup>th</sup> September and 1<sup>st</sup> October 2023.
3. 51<sup>st</sup> Annual National Conference of the Indian Association of Preventive and Social Medicine (IAPSMCON 2024), Kasturba Medical College, Mangalore, 8<sup>th</sup> - 10<sup>th</sup> February 2024.
4. 68<sup>th</sup> Annual National Indian Public Health Association Conference (IPHACON 2024) organized at Atal Bihari Vajpayee Institute of Mountaineering and Allied Sports, Manali, Himachal Pradesh, 15<sup>th</sup> - 17<sup>th</sup> March, 2024.

**Name of Faculty: Dr. Prasanna T**

**Designation: Additional Professor**

#### **Papers Presented:**

1. Thirunavukkarasu P., Taluja K. Do Patients have and want to have 'Cost Par Charcha' with Doctors at a public tertiary care health facility? A Mixed Methods Exploration. IPHACON 2024, 15<sup>th</sup> -17<sup>th</sup> March 2024, Manali, Himachal Pradesh.
2. Vashist VK, Thirunavukkarasu P, Naveen KH. Exploring Salt Intake Behavioural Practices among Persons with Hypertension in Jodhpur. IAPSM RAJCON 2023, 16<sup>th</sup> -17<sup>th</sup> Dec 2023, Dr. S. N. Medical College, Jodhpur

#### **Sessions Chaired:**

1. Poster Presentation. IAPSM RAJCON 2023, 16<sup>th</sup> -17<sup>th</sup> Dec 2023, Dr. S. N. Medical College, Jodhpur

#### **Symposium Speaker**

1. Challenges toward ensuring access to malaria prevention, diagnosis and treatment. ICMR-MERA Plenary on Innovation, Research and fostering strong enabling environment to achieve Malaria Elimination IPHACON 2023, 7<sup>th</sup> -9<sup>th</sup> April 2023, Biswa Bangla Convention Centre, Kolkata.

#### **Resource Faculty**

1. Holding the Hands Mentorship (Critical Appraisal of Scientific Article. IPHACON 2023, 7<sup>th</sup> -9<sup>th</sup> April 2023, Biswa Bangla Convention Centre, Kolkata.

**Research Project:**

**Completed:**

**As Co-Investigator**

1. Community Behavior and its determinants in relation to Malaria prevention and control in Rajasthan. ICMR MERA

**Name of Faculty: Dr. Dr. Suman Saurabh**

**Designation: Additional Professor**

**Books/Chapters:**

1. Reviewed 'IADVL Research Compendium' published by CBS Publishers as a Peer Reviewer

**Papers Presented:**

1. National level survey regarding continuation of COVID-19 vaccination and mask use among healthcare workers. EFICON 2023, 30<sup>th</sup> September – 1<sup>st</sup> October 2023, Goa
2. Demonstration of Integrated approach for surveillance of Skin Neglected Tropical Diseases (NTDs) in western Rajasthan, India, EFICON 2023, 30<sup>th</sup> September – 1<sup>st</sup> October 2023, Goa

**Resource faculty**

1. Resource faculty for CME on Tuberculosis, 30<sup>th</sup> May 2023, AIIMS Jodhpur
2. Resource faculty for CME on Tuberculosis Operational Research, 30<sup>th</sup> -31<sup>st</sup> October 2023 by State OR Committee, AIIMS Jodhpur

**Workshops/ Conferences Organized**

1. Nodal Person (Public Health) of Core Committee National TB Elimination Programme at AIIMS Jodhpur and conducted quarterly review meeting and facilitated visit by Chair of the State Task Force
2. Represented AIIMS Jodhpur in National TB Think Tank meeting, Jiv Daya foundation, 16 December 2023, New Delhi
3. Organized and worked as Resource faculty for CME on Clinical Management of Tuberculosis conducted by Core Committee, 18<sup>th</sup> April 2024, AIIMS Jodhpur

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. HPV vaccine hesitancy among medical students in India (Student Project under SIRI)
2. Junk food consumption among under-five children in urban Jodhpur, India – a mixed methods study , AIIMS Jodhpur

**As Co-Investigator**

1. Community Behavior and its determinants in relation to Malaria prevention and control in Rajasthan, with ICMR-NIMR, MERA
2. Association between history of COVID-19 and mental health morbidity in India- a cross sectional multi-centric study with AIIMS Bhubaneswar
3. Incorporating Artificial Intelligence Based Systems by One-Health Approach in Strengthening Surveillance Systems against Malaria - A Feasibility Study, with ICMR

**National/ International Conferences attended:**

1. Epidemiology Foundation of India Conference (EFICON 2023), Goa, 30<sup>th</sup> September – 1<sup>st</sup> October 2023

## Department of Dentistry

S.No.	Name	Designation
1	Dr Pravin Kumar	Professor and Head
2	Dr Vinay Kumar Chugh	Professor
3	Dr Ankita Chugh	Professor
4	Dr Kirti Chaudhry	Additional Professor

### About the Department

Twenty-Two Chair state of the art facility running post-graduate program in three specialties since last 6 years. Clinical services provided in six clinical specialties of dentistry with an average new patient OPD in the range of 60-65 per day and follow-up OPD of around 75 patients. On an average 105-115 procedures undertaken per day. Three days of major OT and six days of minor OT work in a week undertaken on regular basis. Apart from this, Emergency OT is also functional on a case-to-case basis. All faculty members actively engaged in their respective research projects and have taken up assignments as external examiners in various prestigious institutes. Procurement and installation of Intraoral Scanner, Induction Casting Machine, Burn out Furnace, and 3D Distractors in the department. First Runner-up Prize in Indian conference on MedTech innovations ICMI-2024 held at IIT Jodhpur and AIIMS Jodhpur held on 22<sup>nd</sup> - 24<sup>th</sup> February 2024.

### Compiled list of Publications of the department:

#### Pubmed Indexed:

1. Kumar S, Chugh A, Kaur A, Srivastav S, PG Gigi, Kumar P, Chaudhry K. Treatment Outcome Comparison Between two 3-Dimensional Plates (Y-Shaped Plate Versus Trapezoidal Condylar Plate) in Management of Mandible Condylar Fracture: A Randomized Control Trial. J Maxillofacial and Oral Surg. 2023, Pages 1-8
2. P G Gigi, Chugh A, Chaudhry K, Kaur A, Kumar P, Gaur S, Kumar S, Singh S. Comparison of Teriparatide and Combination of Cissus Quadrangularis and Dalbergia Sissoo on Bone Healing Against the Control Group in Maxillofacial Fractures: A Randomized Open-label Control Trial. Craniomaxillofacial Trauma & Reconstruction. 2023, Pages 23-33
3. Sardana R, Chugh VK, Bhatia NK, Shastri D, Mounghom P, Kumar P, Chugh A, Singh S. Rate and anchorage loss during en-masse retraction between friction and frictionless mechanics: A randomized clinical trial. Orthodontics & Craniofacial Research, 2023
4. Kumar P, Soundharrajan P, Prakash R, Kombade SP, Yadav P, Chugh A, Patnana AK. An in-vitro analysis to evaluate the disinfection effectiveness of Cold Atmospheric Pressure (CAP) plasma jet in Enterococcus faecalis infected root canals, Biomaterial Investigations in Dentistry, 2023, 21,93,214
5. Chugh A, Kaur A, Bhardwaj P, Vishnoi JR, Joshi NK, Chopane S, Shivkumar, Kumar P. Gap areas in mitigation of oral cancer: A cross-sectional study evaluating awareness and knowledge of risk factors in oral cancer in a tertiary hospital, National Journal of Maxillofacial Surgery, 2023, 27
6. Jani A, Chaudhry K, Kaur A, Bhatia PK, Kumar P, Gigi PG, Batra T, Chugh A. Efficacy of Enhanced Recovery after Surgery (ERAS) Protocol in Maxillofacial Trauma: A Randomized Controlled Trial, Journal of Stomatology, Oral and Maxillofacial Surgery, 2023, 101576

7. Chugh VK, Bhatia NK, Kumar P, Chugh A, Singh S, Shankar SP, Mounghom, P, Sardana R. Effects of delayed appointments in fixed orthodontic patients due to lockdown during the COVID-19 pandemic, *Journal of Oral Biology and Craniofacial Research*. 2023: 652-656
8. Chopane S, Chaudhry K, Kohli A, Singh S, Banerjee M, Kumar P, Ganesan, A, Chugh A, Safety and Efficacy of Resveratrol in Healing of Maxillofacial Fractures: A Randomized Controlled Study., *Journal of Maxillofacial and Oral Surgery*, 2023, Pages 7-9
9. Rathore K, Patnana AK, Chugh VK, Chugh A, Kumar P. Self-assembling peptides for managing white spot lesions: A systematic review and meta-analysis, *European archives of paediatric dentistry*, 2023, Pages 9-13
10. Kapoor A, Kumar P, Prakash R, Chaudhry K, Sharma R, Duraisamy KA. Comparison of smear layer removing efficacy of cold atmospheric pressure (CAP) plasma jet with different chelating agents. An ex-vivo study. *Biomaterial Investigations in Dentistry*, 2023, 2271929
11. Jani A, Chaudhry K, Kaur A, Bhatia PK, Kumar P, PG Gigi, Batra T, Chugh A. Efficacy of Enhanced Recovery after Surgery (ERAS) protocol in maxillofacial trauma: A randomized controlled trial, *Journal of Stomatology, Oral and Maxillofacial Surgery*, 2023
12. Kumar P, Duraisamy A, Patnana A, Pathak K, Chugh VK. Prevalence of Pulp Stones in the Population of Rajasthan: A Cross-Sectional Study in a Tertiary Care Hospital. *Cureus*. 2024 Jan 3;16(1).
13. Mumusamy N, Sabu S, Shastri D, Chugh VK, Singh GK, Nagar A. Queries regarding factors related to microimplant-assisted rapid palatal expansion in teenagers and young adults. *American Journal of Orthodontics and Dentofacial Orthopedics*. 2023 Oct 1;164(4):463.
14. Mounghom P, Chugh VK, Sardana R, Bhatia NK, Chugh A. Targeted mechanics with minimal appliances to correct scissor bite. *AJO-DO Clinical Companion*. 2023 Jun 1;3(3):243-9.
15. Bhatia NK, Chugh VK, Shankar SP, Vinay AP R, Singh S, Mounghom P, Sardana R. Alignment efficiency and three-dimensional assessment of root resorption after alignment with conventional and copper-nickel-titanium archwires: A randomized controlled trial. *Dental Press Journal of Orthodontics*. 2023;28(06):e2323177.
16. Kaur A, Kulkarni G, Chaudhry K. Re: Re: Transdermal Fentanyl Patch Vs Standard Analgesia in Postoperative Oral Sub mucous Fibrosis Patients: a triple blinded, Randomized Control Trial. *Br J Oral Maxillofac Surg* 2023 Feb;61(2):191 -192. doi:10.1016/j.bjoms.2022.12.009.
17. Kaur A, Khatana S, Ganesan A, Kumar P, Chaudhry K. Hindi translation of Oral Health Related Quality of Life (OHRQOL) questionnaire and its validation for Oral submucous fibrosis patients: A pilot study. *J Maxillofac. Oral Surg*.
18. Ganesan A, Rustagi N, Kaur A, Chaudhry K, Kumar P, Chopane S, Chugh A. Minimal clinically important difference in maxillofacial trauma patients: a prospective cohort study. *British Journal of Oral and Maxillofacial Surgery*. 2024 Feb 1;62(2):177-83.
19. Ganesan A, Kaur A, Dixit PK, Nalwa A, Chaudhry K. Heterotopic Ossification After Reconstruction with Free Fibula Flap- an Ambiguous Mishap. *Indian Journal of Otolaryngology and Head and Neck Surgery* 2023
20. Pandey AK, Sharma S, Gupta P, Kumar P, Chaudhry K. Medial Pterygoid Abscess Masquerading as a Temporomandibular Joint Disorder: A Case Report. *Indian Journal of Otolaryngology and Head & Neck Surgery*. 2024 Feb 5:1-5.
21. Ukey S, Jain A, Dwivedi S, Choudhury C, Vishnoi JR, Chugh A, Purohit P, Pareek P, Elhence P, Misra S. Study of MicroRNA (miR-221-3p, miR-133a-3p, and miR-9-5p) expressions in oral submucous fibrosis and squamous cell carcinoma. *Indian Journal of Clinical Biochemistry*, 2023

22. Jain V, Aggarwal A, Shrimali T, Vishwakarma K, Paul D, Kombade SP, Sharma V, Soni K, Choudhary B, Goyal A, Chugh A. Hit or Miss: The Dilemma of Specimen Selection for Microbiological Diagnosis of Rhino-Orbital-Cerebral-COVID-Associated Mucormycosis (ROCM-CAM). Infectious Disorders-Drug Targets (Formerly Current Drug Targets-Infectious Disorders), 2023.
23. Khade S, Nalwa A, Rao M, Aggarwal D, Sharma V, Chugh A. Mucormycosis: An Epidemic Complicating the COVID-19 Pandemic. Oman Medical Journal. 2023
24. Ukey S, Jain A, Dwivedi S, Vishnoi JR, Chugh A, Purohit P, Pareek P, Elhence P, Misra S, Sharma P. Global and promoter specific hypermethylation of tumor suppressor genes P16, SOCS1, and SHP1 in oral squamous cell carcinoma and oral submucous fibrosis. Journal of Cancer Research and Therapeutics. 2023
25. Devnani B, Pareek P, Joseph J, Mohan A, Mp I, Punchankandy M, Vyas RK, Solanki A, Chugh A, Poonia DR. PD-0418 Interstitial And Surface Mold Brachytherapy For Head And Neck Cancers-An Institutional Experience. Radiotherapy and Oncology, 2023.
26. Ganesan A, Kaur A, Dixit PK, Nalwa A, Chaudhry K. Heterotopic Ossification After Reconstruction with Free Fibula Flap- an Ambiguous Mishap. Indian Journal of Otolaryngology and Head and Neck Surgery. 2023
27. Das KN, Sharma V, Mohan V, Soni K, Chugh A, Choudhury, Goyal A. WHO BREF Quality of Life Score as a Prognostic Indicator of Survival in Patients recovered from COVID-19 Associated Rhino-Orbito-Cerebral Mucormycosis. Indian Journal of Otolaryngology and Head & Neck Surgery. 2024
28. Bhatia NK, Chugh VK, Sardana R. Concerns regarding the successful eruption of third molars after extraction of maxillary second molars. American Journal Orthodontics and Dentofacial Orthopedics. 2024

### Workshops/ Conferences Organized:

Department of Dentistry organized two workshops simultaneously on 9<sup>th</sup>-10<sup>th</sup> March 2024 at AIIMS Jodhpur. In all, 75 plus delegates from various states of India attended the Workshop. Inaugural ceremony was held with Prof. G.D. Puri, Executive Director AIIMS, Jodhpur as the Chief Guest and Dr. Balvinder Singh Thakkar, Immediate Past President IOS as the Guest of Honor. Dean Academics, Dean Research, Dean Student Welfare, Medical Superintendent and other faculty members of AIIMS Jodhpur along with Dr. Divyaroop Rai, Convener, Rajasthan Orthodontic Study Group, Dr. Tusar Kanti Nayak, Senior Orthodontist, Bhubaneswar were the other prominent dignitaries who attended the inaugural ceremony. Dr Pravin Kumar was the Organizing Chairperson for the event.

1. First Workshop: "Endo Perio Continuum" : Two-day Workshop on "Endo Perio Continuum" was conducted by Endodontic Section with Dr. Harpreet Singh Grover, Professor and Head, N.C Medical College & Hospital, Panipat, Haryana and Dr. Ashutosh Dixit, from AIIMS Rishikesh, as the Chief Course Faculty. Three live surgeries were demonstrated to the delegates as part of the workshop.
2. Second Workshop: "Fundamental of Biomechanics": Two-day Workshop on "Fundamental of Biomechanics" was conducted by Orthodontic Section with Dr. Vinay Kumar Chugh, Professor, Dept. of Dentistry, AIIMS, Jodhpur as the Chief Course Faculty.

### Eminent Visitors:

1. Dr. Ajay Logani , Professor & HOD, Department of Conservative Dentistry & Endodontics, CDER, AIIMS, New Delhi
2. Dr. R. K. Tiwari, Principal & Professor , Department of Conservative Dentistry & Endodontics, Dr. Z A Dental College AMU Aligarh-202002, Uttar Pradesh

3. Dr. H. C. Baranwal, Professor, Department of Conservative Dentistry & Endodontics, Faculty of Dental Sciences, BHU, Varanasi, Uttar Pradesh
4. Dr. Ashi Chugh, Professor and Head, AIIMS Rishikesh
5. Dr. Vidya Ratan, Professor & Head, Department of Dentistry, PGI Chandigarh
6. Dr. Ashok Kumar Jena, Professor & Head, Department of Dentistry, AIIMS, Bhubaneswar
7. Dr. Anurag Negi , Prof. & HOD, AIIMS Bibinagar
8. Dr. Harpreet Singh Grover, Professor and Head, NC Medical College and Hospital, Haryana
9. Dr. Ashutosh Dixit, Additional Professor, AIIMS Rishikesh
10. Professor Dr. Jitendra Lohar, Professor and Vice-principal, PDCRC, Udaipur.
11. Prof. Devendra Chaudhry, Professor and Head, Maharaja Ganga Singh Dental College & Hospital, Sri Ganganagar, Rajasthan

**Name of Faculty: Dr Pravin Kumar**

**Designation: Prof & Head**

**Papers Presented:**

1. Presented a scientific paper at the 31<sup>st</sup> National conference of Indian Endodontic Society, 29<sup>th</sup> Sept. 2023 – 01<sup>st</sup> October 2023, Bhuvneshwar, Orrisa.

**Sessions Chaired:**

1. Chaired a keynote address at the scientific session in 31<sup>st</sup> National conference of Indian Endodontic Society, 29<sup>th</sup> Sept. 2023 – 01<sup>st</sup> October, 2023, Bhuvneshwar, Orrisa.

**Invited Lectures:**

1. Invited as Guest Faculty and Podium Speaker for the CDE Program titled “The Restorative Biology”, 13<sup>th</sup> October 2023

**Research Project**

**Chief Investigator**

1. Evaluation of efficacy of PRF and various bone graft materials in surgical healing of palatal defects of endodontic origin. Intra-mural project

**Scientific Awards/Patents:**

1. Patent filed in collaboration with IIT Jodhpur for a “Manual device for Root canal irrigation through Apical negative pressure”.

**Examinership:**

1. MDS (Conservative Dentistry & Endodontics) Final Exam, Post Graduate Institute of Dental Sciences, Rohtak, Haryana, 30<sup>th</sup> June- 1<sup>st</sup> July 2023.
2. MDS (Conservative Dentistry & Endodontics) Final Exam, Post Graduate Institute of Dental Sciences, AIIMS, Jodhpur, 9<sup>th</sup> and 10<sup>th</sup> May 2024

**Membership/Post in Journal or Society or Association**

1. Reviewer; Indian Journal of Dental Sciences,
2. Reviewer; Journal of Oral Biology and Craniofacial Research,
3. Reviewer; Journal of Conservative Dentistry.

**National/ International Conferences attended:**

1. 31<sup>st</sup> National conference of Indian Endodontic Society, 29<sup>th</sup> Sept. 2023 - 01st October 2023, Bhubaneswar, Orissa.
2. CDE Program titled "The Restorative Biology" on 13<sup>th</sup> October 2023

**Any other information**

1. Workshop: "Endo Perio Continuum" - Two-day Workshop on "Endo Perio Continuum" was conducted by Endodontic Section with Dr. Harpreet Singh Grover, Professor and Head, N.C Medical College & Hospital, Panipat, Haryana and Dr. Ashutosh Dixit, from AIIMS Rishikesh, as the Chief Course Faculty. Three live surgeries were demonstrated to the delegates as part of the workshop.
2. Ensuring fully functional three post-graduate sections within the department with the procurement and installations of Twenty-Two fully loaded Dental Chairs and other equipment.
3. Procurement and installations of Intra Oral Scanner, 3D Mandibular Multi Vector Distractor, in the department. Procurement and installation of Lab Equipment Metal Casting Machine and Burnout Furnace for the Conservative Dentistry & Endodontics pre-clinical Lab.
4. In addition to the three ongoing Post-graduate programs, ensuring the continuation of specialized patient care in Periodontics, Prosthodontics and Pedodontics.
5. Successfully completed two (02) patient education, examination and diagnosis camps as part of social outreach.
6. Appointed as Expert Member of Standing Selection Committee for selection of Group – A Faculty in AIIMS Guwahati. (01.12.2023 to 02.12.2023)
7. Appointed as Technical Expert UP Public Service Commission for selection of Dental Surgeons for Provincial Medical Services. (21.12.2023 to 22.12.2023)
8. Appointed as Subject Expert of the Standing Selection Committee for interviews of Group -A Faculty under APS in AIIMS Bhopal. (09.11.2023)
9. Attended Board of Studies meeting of AIIMS Nagpur, Level-II on 30.10.2023 for considering proposal for fellowship in Rotary Endodontics.
10. Appointed as External Subject Expert for conduction of interview on 19.10.2023 for appointment of Senior Residents in Endodontics at AIIMS Raipur.
11. Appointed as Technical Expert for the procurement of Equipment for Department of Dentistry via GeM Tender by HITES Noida. (01.11.2023)
12. Appointed as External Member (Subject Expert) Board of Studies AIIMS Bhatinda (30.08.2023)
13. Member, Program Management Committee, MEDTECH Program in collaboration with IIT, Jodhpur.
14. Appointed as Member of Radiation Safety Committee, AIIMS Jodhpur.
15. Member Dean's Academic Committee, AIIMS Jodhpur
16. Member of Scientific Review Board, AIIMS Jodhpur.
17. Member Staff Council, AIIMS Jodhpur.



**Name of Faculty: Vinay Kumar Chugh**

**Designation: Professor**

**Papers Presented:**

1. Chugh VK. Table Clinic presentation: Molar mesialization using V-Bend principle: An alternative approach to microimplants. Annual Session, American Association of Orthodontists 2023, 21<sup>st</sup> -24<sup>th</sup> April 2023, Illinois, Chicago, USA
2. Chugh VK. Basics of Segmental arch Biomechanics, National Integrated Typodont Workshop- ITS Dental College, 7<sup>th</sup> -8<sup>th</sup> April 2023, Ghaziabad

**Sessions Chaired**

1. Panel Judge for the research paper presentation at 57<sup>th</sup> IOS National Conference, Subharti Dental College, 15<sup>th</sup>-17<sup>th</sup> September 2023, Meerut
2. Chairperson, Scientific Session, International Georgian Meet Workshop, KGMU, 23<sup>rd</sup> Dec 2023, Lucknow.

**Invited Lectures**

1. Chugh VK. Guest Lecture on Bone Anchored Maxillary Protraction at Babu Banarasi Das, Dental College of Dental Sciences, 22<sup>nd</sup> Dec 2023, Lucknow
2. Chugh VK. Guest Lecture for undergraduate students: Motivation and what the future holds for you in dentistry. ITS Dental College, 7<sup>th</sup> - 8<sup>th</sup> April 2023, Ghaziabad.

**Resource Faculty:**

1. Chief Resource Faculty, Two-day workshop on "Fundamental of Biomechanics": AIIMS Jodhpur in association with Rajasthan Orthodontic Study Group (IOS), 9<sup>th</sup>-10<sup>th</sup> March 2024, Jodhpur, Rajasthan.
2. Course Director, Pre-Conference Course titled "Problem Based Learning" 27<sup>th</sup> IOS National PG Students Convention, 8<sup>th</sup> -11<sup>th</sup> Feb 2024, Mumbai
3. Chief Resource Faculty, Pre-Conference Course on "Fundamental Concepts of Biomechanics" at 57<sup>th</sup> IOS National Conference, Subharti Dental College, 15<sup>th</sup>-17<sup>th</sup> September 2023, Meerut, UP
4. Resource Faculty, National Integrated Typodont Workshop- "Segmental arch Biomechanics and Straight wire technique" ITS Dental College, 7<sup>th</sup> -8<sup>th</sup> April 2023, Ghaziabad, UP

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. Effectiveness of fixed and removable orthodontic appliances in anterior cross-bite correction during mixed dentition period - A Randomized Controlled Trial.
2. Association between the Gingival phenotype and the incidence and severity of gingival invagination at premolar extraction sites following space closure in individuals undergoing fixed orthodontic treatment. A multicenter prospective cohort study. (Multicentric, non-funded in collaboration with JIPMER, Puducherry) (Ongoing)

**Completed****As Principal Investigator**

1. Evaluation of cleft care outcomes of non-syndromic unilateral cleft lip and palate (UCLP) patients at ages 5,12 and 20 across India: The Cleft Care India Study. (Funded by the Scheme for Promotion of Scientific and Research Collaboration (SPARC), Ministry of Human Resource Development, Government of India and the UK-India Education and research initiative (UKIERI).
2. Evaluation of success of two orthodontic retainer wires on maxillary and mandibular arch retention over a 12-month period - A Randomized Controlled Trial.
3. Cephalometric evaluation of the proximity of maxillary first molar roots to the palatal plane in different facial biotypes: A retrospective cross-sectional study.
4. Retrospective evaluation of temporary anchorage devices based on treatment need and case complexity.

**Examinership**

1. External Expert (Dentistry), Senior Resident Interview at AIIMS Bibinagar, 21<sup>st</sup> Dec 2023.
2. Subject Expert for recruitment to the post of Assistant Professor in Department of Dentistry, AIIMS Bilaspur, 26<sup>th</sup> Feb 2024.
3. Invited as Subject Expert (Orthodontics) for selection to the post of Assistant Professor at Tripura Public Service Commission, Agartala, 27<sup>th</sup> July 2023.

**Membership/Post in Journal or Society or Association**

1. MOrth, Royal College of Surgeons of Edinburgh, UK
2. Fellow, World Federation of Orthodontists, Canada
3. Member, American Association of Orthodontists, USA
4. Executive Council Member, Craniofacial Research Foundation Academy
5. Life Member, Indian Society of Cleft Lip Palate & Craniofacial Anomalies.
6. Life Member, Indian Orthodontic Society

**National/ International Conferences attended:**

1. 27<sup>th</sup> IOS National PG Students Convention, Mumbai, 8<sup>th</sup> -11<sup>th</sup> Feb 2024.
2. 57<sup>th</sup> IOS National Conference, Subharti Dental College, Meerut, 15<sup>th</sup>-17<sup>th</sup> September 2023
3. Annual Session, American Association of Orthodontists 2023, Illinois Chicago, USA, April 21<sup>st</sup> -24<sup>th</sup>, 2023
4. Attended workshop on A to Z of Naso Alveolar Molding at AIIMS New Delhi, 1<sup>st</sup>-2<sup>nd</sup> April 2023

**Name of Faculty: Ankita Chugh****Designation: Professor****Sessions Chaired:**

1. Evaluator for PG prize paper at 26<sup>th</sup> Midterm Conference and 12<sup>th</sup> PG Convention of AOMSI 2023, 20<sup>th</sup> -22<sup>nd</sup> July 2023, Loni .

**Invited Lectures**

1. Invited as Key Note speaker for "Soft tissue Injuries" for 47th National Conference of Association of Oral and Maxillofacial Surgeons of India, 21<sup>st</sup> - 25<sup>th</sup> November 2023, New Delhi.

**Symposium Speaker**

1. Invited as Speaker and panelist for “Reviewers Workshop” conducted by Journal of Maxillofacial and Oral Surgery at 47<sup>th</sup> National Conference of Association of Oral and Maxillofacial Surgeons of India, 21<sup>st</sup> - 25<sup>th</sup> November 2023, New Delhi.

**Resource Faculty:**

1. Have assumed the charge of President RAJAOMSI for 2023-24.
2. Faculty for OMFS for MMT program in collaboration with IIT Jodhpur for “Surgical device development Course”.
3. Invited as panellist/Moderator for TMJ disorders panel of UP AOMSI Conference, 22<sup>nd</sup>-25<sup>th</sup> September 2023, Aligarh .
4. As President of RAJAOMSI conducted monthly Case based discussion series and Viva series for the upliftment of post graduate education
5. Resource faculty for ATLS Provider course during 28<sup>th</sup> - 30<sup>th</sup> November 2023.
6. Presented Orientation lecture on ‘Communication skills for MPH batch 2023
7. Committee member in Department of Medical Education Technology of AIIMS Jodhpur.
8. Participated as resource faculty in 3 faculty development programs conducted by Department of Medical Education.

**Research Project****Ongoing****Chief Investigator**

1. Improving the quality of Emergency room Documentation of the maxillofacial trauma Cases: An Audit loop Cross sectional Study- Non funded
2. Patient reported experience and outcomes measures in Minor Oral surgery and its Correlation with Current practice: A cross sectional audit

**Co-Investigator**

1. Tele-presence and Tele-action System for Robot Assisted Dentistry – In Collaboration with IIT Jodhpur, TU Delft- A multi- centric project- Extramural
2. Predictive value of Various clinical specimens for the microbiological diagnosis of COVID-19 associated Mucormycosis at AIIMS Jodhpur
3. Isolate profiling and geographical distribution of cases of COVID associated mucormycosis presenting to AIIMS Jodhpur

**Completed****As Principal Investigator**

1. Efficacy of topical 0.02% Mitomycin in improving healing in oral submucous fibrosis patients after surgical release of fibrous bands and reconstruction with buccal fat pad- A split mouth pilot study

**As Co-Investigator**

1. Patient reported distress and problems of oral cancer survivors in Rajasthan- A mixed method cross sectional study – Multi Centric study, Ongoing

### **Examinership**

1. Invited and joined as External Subject expert on 26<sup>th</sup> -29<sup>th</sup> July 2023 for MDS examination at AIIMS RAIPUR
2. Invited and joined as External Subject expert on 20<sup>th</sup>-22<sup>nd</sup> July 2023 for MDS examination at Kothiwal Dental College, Moradabad
3. Invited and joined as External Subject expert on 18<sup>th</sup> January 2024 for MDS examination at Vyas Dental College, Jodhpur
4. Invited and joined as External Subject expert on 28<sup>th</sup> November 2023 for JR Non-Academic interviews at AIIMS Bilaspur.
5. Invited and joined as External Subject expert on 31<sup>st</sup> October 2023 for SR interviews at AIIMS Bilaspur.

### **Membership/Post in Journal or Society or Association**

1. Section Editor for Orthognathic Surgery in Journal of Oral Biology and Craniofacial Research by Elsevier
2. LM 2125, Association of Oral and Maxillofacial Surgeons of India

### **National/ International Conferences attended:**

1. Attended AOCMF Masters Course on Emerging Technologies in Orthognathic Surgery from 10<sup>th</sup> -13<sup>th</sup> December 2023 at Davos, Switzerland
2. Attended 47th AOMSI National conference held on 25<sup>th</sup>-27<sup>th</sup> November, 2023 Delhi

### **Any other information:**

1. Organising Committee of 10th CDE Program “Fundamentals of Bio Mechanics” & “ Endo-Perio Continuum” on 9th and 10th of March,2024, AIIMS Jodhpur.
2. OMFS section organised different activities for Road Safety Month Program initiated by AOMSI from 11<sup>th</sup> -17<sup>th</sup> January 2024. Presented talk for the same at DPS School-Pal road and Jai Narayan University Girls college. Also took Awareness session on road safety with BLS Hands-On training for dental practioners at AIIMS Jodhpur. Distributed road safety measures pamphlets in association with Traffic police Jodhpur.

**Name of Faculty: Dr Kirti Chaudhry**

**Designation: Additional Professor**

### **Papers Presented:**

1. Heavy metal analysis in Oral carcinoma and Oral submucous fibrosis. 47th AOMSI National conference, 25<sup>th</sup> -27<sup>th</sup> November 2023, New Delhi,.
2. Malignant Mucosal Melanoma. 47th AOMSI National conference, 25<sup>th</sup> -27<sup>th</sup> November 2023, New Delhi.

**Sessions Chaired:**

1. Evaluator for PG paper at 47th AOMSI National Conference-2023; 25<sup>th</sup> -27<sup>th</sup> November, New Delhi.
2. Evaluator for PG poster at 47th AOMSI National Conference-2023; 25<sup>th</sup> -27<sup>th</sup> November, New Delhi.

**Symposium Speaker:**

1. Frontal Fractures – Protocol for management. 7th AOMSI National Conference-2023; 25<sup>th</sup> -27<sup>th</sup> November 2023, New Delhi.
2. Panel discussion on Documentation: Role and Relevance. 47th AOMSI National conference, 25<sup>th</sup> - 27<sup>th</sup> November 2023, New Delhi.
3. Maxillofacial Surgery: An Indian Perspective. 8th November 2023, Shanghai's Ninth Peoples Hospital, China.
4. Panelist in webinar series of AOMSI, Uttarakhand State Chapter on the topic, Successive Approaches to Oro-Facial Infections. 26<sup>th</sup> May 2024 (Online)

**Resource Faculty:**

1. 47th AOMSI National Conference-2023. 25<sup>th</sup> -27<sup>th</sup> November, New Delhi.
2. Webinar Series of AOMSI, Uttarakhand State Chapter. (Online)

**Research Project****Ongoing****As Principal Investigator:**

1. Effect of Early Periodontal Therapy on Pregnancy Outcomes- A Randomized Control Trial. (Primary Investigator – ICMR Funded – Fund of approximately 84 lakh)
2. Role of Tribal healers in oral health in tribal population. (Primary Investigator – Ministry of Tribal Affairs Funded – Fund of 49.97 lakhs ) – Fund approved.
3. Evaluation of serum Titanium levels in Dental Implant Patients: A prospective study. Intramural Funded
4. Evaluation of Serum Titanium levels in Patients treated with 3D Printed Titanium Patient Specific Implants and Total Temporomandibular Joint Replacements – A Longitudinal Study. Non Funded

**As Co-Investigator:**

1. Effectiveness of yoga-based cardiac rehabilitation (yoga-care) in heart failure: a randomized controlled clinical trial abbreviated as yoga-care-HF trial.

**Completed****As Principal Investigator:**

1. Evaluating the concentrations of heavy metals in Oral Sub mucous fibrosis and oral cancer patients using serum and saliva as diagnostic mediums.
2. Oral health in covid-19 patients: a descriptive cross-sectional study
3. Minimal Clinically Important Difference (MCID) of mouth opening in Oral Submucous Fibrosis patients.
- 4.

**Examinership:**

1. MDS (Oral and Maxillofacial Surgery) Final Exam, Post Graduate Institute of Dental Sciences, AIIMS, Jodhpur, May 9<sup>th</sup> and 10<sup>th</sup>, 2024

**Membership/Post in Journal or Society or Association**

1. Member; National Academy of Medical Sciences
2. Reviewer; Journal of Maxillofacial and Oral Surgery
3. Reviewer; Pharmaceutical Biology
4. Reviewer; Cureus
5. Reviewer; National Journal of Maxillofacial Surgery
6. Reviewer; Annals of Maxillofacial Surgery

**National/ International Conferences attended:**

1. 47th AOMSI National Conference-2023; 25<sup>th</sup> -27<sup>th</sup> November, New Delhi.

**Any other Information:**

1. OMFS section organised different activities for Road Safety Month Program initiated by AOMSI from 11<sup>th</sup> -17<sup>th</sup> January 2024. Also took Awareness session on road safety with BLS Hands-On training for dental practitioners at AIIMS Jodhpur. Distributed road safety measures pamphlets in association with Traffic police Jodhpur.
2. The article, "Oral manifestations of COVID-19 Infections: An Analytical Cross-Sectional Study", was the most downloaded article in the year 2023-2024 and received Third prize of 300 Euros voucher.
3. Organising Committee of Conference/Workshops:
  - a. 10th CDE Program "Fundamentals of Bio Mechanics" & "Endo-Perio Continuum" on 9<sup>th</sup> – 10<sup>th</sup> March 2024, AIIMS Jodhpur.
  - b. "Yoga and Cancer" workshop on 13<sup>th</sup> June, AIIMS Jodhpur.
  - c. "Mind management" workshop from 14<sup>th</sup> -17<sup>th</sup> June 2023 at AIIMS Jodhpur.
  - d. "Work-Life Balance" on 12 June 2023, AIIMS Jodhpur - online workshop
  - e. Art of Living Yoga & Meditation session on 19<sup>th</sup> Jan 2024, Nursing College, AIIMS Jodhpur.
  - f. An event for Faculty, staff, students, and family "Significance of Spiritual wisdom in modern healthcare landscape" by Internationally reputed Spiritual leader Gurudev Sri Sri Ravi Shankar on 23<sup>rd</sup> Jan 2024
  - g. "Positive Vibes Positive Life" Speaker Dr Mohit Dayal Gupta on 16<sup>th</sup> Feb 2024, AIIMS Jodhpur.

**Fellowships**

1. Observer fellowship; 30<sup>th</sup> October -8th November 2023, China. TMJ Arthroscopic Surgeries at Shanghai's Ninth Peoples Hospital. (Largest TMJ center across world, Host to International AO TMJ Course.)
2. Observer fellow to NuFACE Maxillofacial and Dental Hospital, Surat, Gujarat; 9<sup>th</sup> – 15<sup>th</sup> July 2023, for TMJ Arthroscopic Surgeries. (Director Dr. Nehal Patel is Faculty, TMJ Mini residency, USA. And pioneer of TMJ arthroscopy in India.)

## Department of Dermatology, Venereology & Leprology

S.No.	Name	Designation
1	Dr. Abhishek Bhardwaj	Professor & Head
2	Dr. Saurabh Singh	Additional Professor
3	Dr. Anil Budania	Additional Professor
4	Dr. Anupama Bains	Associate Professor
5	Dr. Suman Patra	Assistant Professor

### About the Department

The department of Dermatology, Venereology & Leprology at AIIMS Jodhpur continued its journey in providing quality patient care, research and teaching-cum-training activities during 2023-24. The department has 5 faculty and 22 residents from all parts of India. The departmental OPD caters to patients of diverse diseases from the region as well as from different parts of the country. The patient care services are offered to the patients of aspiring district of Sirohi via teledermatology. The department frequently publishes its work in various national and international journals of repute. The department's faculty Dr. Suman Patra won the best Case- Letter prize in the Indian Journal of Dermatology, Venereology and Leprology at the 52<sup>nd</sup> national conference of Indian Association of Dermatologists, Venereologists and Leprologists DERMACon 2024 held at Hyderabad. The department carries forward a rigorous teaching and training schedule for its residents and fellows. The faculty and residents represented the department in India and abroad at various conferences and workshops. Our resident Dr. Monisha Gunasekaran, won the Prof. D K Gupta gold medal at DERMACon, 2024. Our residents participated in a number of paper, poster presentations and quizzes, performing creditably. We observed World Vitiligo Day, Leprosy Day and Rare Disease's Day with various community outreach activities, social media initiative and inter-departmental activities. The department witnessed a visit by a guest speaker from USA, Dr. Sheetal Mehta a Mohs Micrographic Surgeon based in Chicago. Subsequent to the visit we started performing Mohs Surgery in the Institute.



Dr. Sheetal Mehta, board certified dermatologist from Chicago (USA) visited the department and guided the initiation of Mohs micrographic surgery



Vitiligo Day celebration at the institute



Leprosy day celebration at Nimba Nimbadi Leprosaria, Jodhpur

### Compiled list of Publications of the department:

#### Pubmed Indexed:

1. Bhardwaj A, Kumar S. Post-Tattooing Eruption of Lichen Planus. J Cutan Med Surg. 2024 Mar-Apr;28(2):212.
2. Agrawal A, Bhardwaj A, Rao M. "Chicken-Wire Mesh" Pattern on Dermoscopy of Plexiform Neurofibroma. Indian Dermatology Online Journal. 2024 Jan 1;15(1):183-4.
3. Rafi S, Budania A, Bhardwaj A, Singh S, Bains A, Benny B, Alam A, Karthick K, Agarwal A, Pathania Y. Efficacy and safety of diode laser for facial hair reduction in hirsutism—a clinico-trichoscopic evaluation. Journal of Cutaneous and Aesthetic Surgery. 2024 Jan 1;17(1):19-24.
4. Agrawal A, Rajagopal VS, Bhardwaj A, Vedant D. An unusual presentation of leukemic vasculitis, a lesser-known entity. International journal of dermatology. 2023 Oct;62(10):e548-50.
5. Kaur M, Bains A, Bhardwaj A, Patra S, Kumar D, Aggarwal D, Yadav T. An intriguing case of scalp actinomycosis with brain and eye involvement: successful treatment with ceftriaxone. Clinical and Experimental Dermatology. 2023 Sep;48(9):1050-2.
6. Sharma C, Singh P, Shekhar S, Bhardwaj A, Jhirwal M, Ghuman NK, Gothwal M, Yadav G, Kathuria P, Mishra V. Pre-COVID and COVID experience of objective structured clinical examination as a learning tool for post-graduate residents in Obstetrics & Gynecology-a quality improvement study. Obstet Gynecol Sci. 2023 Jul;66(4):316-326.



7. Kaur M, Sadhukhan S, Bhardwaj A, Patra S, Rao M, Alam A. Linear morphea with overlying lichen sclerosus and calcinosis cutis associated with juvenile dermatomyositis. *Pediatric Dermatology*. 2023 May;40(3):500-2.
8. Sharma S, Bhardwaj A, Dwivedi P, Yadav SS, Shamim MA, Singh S, Sharma PP, Ambwani S, Singh K. Apremilast Add-On Benefits Over Conventional Drugs (ABCD) in Unstable Non-segmental Vitiligo: A 12-Week Single-Center Randomized Controlled Trial. *Cureus*. 2023 Apr 5;15(4).
9. Lahoria U, Singh S, Bhardwaj A, Budania A, Chhajed N, Rajagopal SV, Singh S. A prospective randomized controlled study of Mycobacterium Indicus Pranii vaccine, Measles Mumps Rubella vaccine and Vitamin D3 in extragenital cutaneous warts. *Journal of Cosmetic Dermatology*. 2023 Apr;22(4):1400-9.
10. Bhardwaj A, Singh S. Luer-lock cap for tackling acne scar subcision-related blood spill. *Journal of the American Academy of Dermatology*. 2023 Apr 1;88(4):e165-6.
11. Ansari F, Lahoria U, Nadeem M, Khara S, Singh S. Adult-onset Still's disease presenting with "pencil sketch-like" arrangement of papules and geographic pigmentation. *J Cosmet Dermatol*. 2023 Apr;22(4):1410-1413.
12. Benny B, Kaur M, Thirunavukkarasu B, Singh S, Patra S. Recent-onset erythematous tender plaques and nodules in a child with nephrotic syndrome. *Clin Exp Dermatol*. 2023;48(9):1071-1073.
13. Gunasekaran PK, Choudhary B, Patel M, Singh S. Cutaneous-Visceral Loxoscelism With Delayed Hemolysis in an Adolescent. *Indian Pediatr*. 2023;60(11):958-959.
14. Kaur M, Hedge N, Agarwal A, Vishwajeet V, Patra S, Singh S. Hematemesis in pemphigus vulgaris: A challenging case of isolated esophageal flare in patient in remission. *J Dtsch Dermatol Ges*. 2023;21(12):1551-1553.
15. Gupta H, Choudhary B, Singh S. Adolescent boy with red violaceous plaques. *Emerg Med J*. 2023;41(1):19-33.
16. Kumar S, Singh S. Unilateral Neonatal Milia. *J Cutan Med Surg*. 2024;12034754241227801.
17. Bhat K, Madhudiya R, Elhence PA, Singh S. Waxy papules, infiltrated alopecic plaques, and shin ichthyosis. *Int J Dermatol*. 2024 Mar 19. Doi: 10.1111/ijd.17087.
18. Kumar S, Batra A, Budania A, Sharma D, Elhence PA. 'Generalised Pruritus with Prurigo-Like Lesions and Generalised Lymphadenopathy: Could be an Early Diagnostic Clue for Angioimmunoblastic T-Cell Lymphoma (AITL) and/or Histoplasmosis'. *Indian J Dermatol*. 2023;68(6):726.
19. Budania A, Mandal S, Agrawal A, Lahoria U, Pathania YS. A split scalp study to evaluate the effects of platelet rich plasma prepared by two different methods in androgenetic alopecia. *Australas J Dermatol*. 2023;64(2):278-281.
20. Pathania YS, Budania A, Rafi S, Kumar A. Psychosocial and financial impact of facial hair among female patients of hirsutism: A cross-sectional study. *J Cosmet Dermatol*. 2023; 22(6):1906-1910
21. Kannan K, Bains A, Alam A, Bano N, Thirunavukkarasu B. Non-pruritic blisters over extensors in a young male. *Indian J Dermatol Venereol Leprol*. 2024; 22:1-4.
22. Kumar S, Bains A, Patra S, Rao M, Rajagopal R. Unilateral lower limb ulcers mimicking medium vessel vasculitis in two patients of aortoiliac occlusive disease. *Int J Dermatol*. 2024;63(3):393-395.
23. Manjunathan S, Agarwal S, Saini L, Tiwari S, Bains A, Shakrawal J, Aggarwal D, Dixit PK. Phenytoin-induced Purple Glove Syndrome Unraveling the Puzzle of Friable Hair and Seizures in an Infant. *Indian J Pediatr*. 2023;90(12):1257-1258.
24. Ansari F, Agrawal A, Bains A, Elhence P. Unilateral erythematous nodule over eyelid. *Indian J Dermatol Venereol Leprol*. 2023;89(6):928.

25. Karthick K, Anupama B, Akhilesh V, Abhay EP, Deepak V. Fusiform swelling of fingers in a young male. *Int J Rheum Dis.* 2024; 27(2): e15052.
26. Kaur M, Patra S, Khera S. Dermal steroid deposits due to intralesional triamcinolone. *Indian J Dermatol Venereol Leprol.* 2024;90:540-1.
27. Agrawal A, Kaur M, Bains A, Yadav T, Patra S. Mixed lymphatic malformation of tongue in a child with excellent response to oral sirolimus. *Indian J Dermatol Venereol Leprol.* doi: 10.25259/IJDVL\_1201\_2023
28. Sadhukhan S, Patra S, Gadepalli R, Kaur M. An unusual co-reactivation of herpes genitalis and shingles in a young male with primary genital herpes in partner. *International Journal of STD & AIDS.* 2024;35(6):487-489
29. Kumar S, Patra S, Nalwa A. Focal actinic porokeratosis over nose successfully treated with topical tacrolimus. *Indian J Dermatol Venereol Leprol.* doi: 10.25259/IJDVL\_880\_2023
30. Kanan K, Karat TP, Vishwajeet V, Wadhwa Y, Patra S. Pyoderma gangrenosum-like ulcers over the face in a case of granulomatosis with polyangiitis. *Int J Dermatol.* 2023 Sep;62(9):1206-1207.
31. Patra S, Kaur M, Narula S, Asati DP, Chaurasia JK. Sporotrichoid spread of locoregional bacille Calmette-Guerin infection following intralesional immunotherapy for verruca vulgaris in an immunocompetent adult. *Indian J Dermatol Venereol Leprol* 2023;89:733-5
32. Patra S, Paramal Karat T, Kaur M. Buried dermal interrupted or vertical mattress suture: which is the best for dermal layer suturing of surgical skin wounds? *Br J Dermatol.* 2023 Jul 17;189(2):251.
33. Patra S, Sindhuja T, Verma KK, Gupta S, Sreenivas V, Sethuraman G. Can Radiofrequency Ablation Be Utilized With Equal Effect in Place of Carbon Dioxide Laser in the Treatment of Facial Angiofibromas in Patients of Tuberous Sclerosis? *J Cutan Aesthet Surg.* 2023 Jul-Sep;16(3):254-255.
34. Kaur M, Sadhukhan S, Bhardwaj A, Patra S, Rao M, Alam A. Linear morphea with overlying lichen sclerosus and calcinosis cutis associated with juvenile dermatomyositis. *Pediatr Dermatol.* 2023 May-Jun;40(3):500-502.
35. Kaur M, Patra S. Addisonian pigmentation secondary to vitamin B12 deficiency. *Indian J Med Res.* 2023 Apr;157(4):371-372.
36. Gupta, P., Kaur, M., Garg, R. et al. Multifocal Cutaneous Mucormycoses of Skin and Soft Tissue at Intravenous Injection Sites by *Saksenaia vasiformis* in an Immunocompetent Host. *Mycopathologia* 2023;188(1-2), 159–161.
37. Kumar S, Patra S, Devnani B, Rajagopalan V, Kaur M. Giant neglected unresectable ulcerated basal cell carcinoma of face: Radiotherapy at rescue. *Journal of Cutaneous and Aesthetic Surgery* DOI:10.4103/JCAS.JCAS\_62\_23, 2023.

#### **Non-Pubmed Indexed:**

1. Sahani M K, Kaur M, Patra S, Narula S. Noncultured epidermal suspension: a new hope in the management of nevus depigmentosus. *Pigment International* 2023, 10(2):p 123-125,.
2. Asati D, Baheti K, Kaur M, Patra S, Singhal K. Occupational dermatoses in health care personnel using PPE during the COVID pandemic. *Journal of Pediatrics, Perinatology and Child Health.* 7(2023) 190-7. doi: 10.1101/2023.07.13.23292421.

#### **Eminent Visitor/s:**

1. Dr. Sheetal Mehta, Board certified Dermatologist and Mohs Micrographic surgeon, previously Assistant Professor in Dermatology at Rush Medical College, Chicago (USA) visited the department for a talk on Mohs Micrographic surgery on 17<sup>th</sup> February 2024. Subsequently the department started doing the procedure under her guidance.

**Any other information:**

1. Celebration of World vitiligo Day & related activities on 23<sup>rd</sup> and 24<sup>th</sup> June 2023: Morning Walkathon, Public lecture and Skit and Multiple educational skits in OPD.
2. Celebration of Leprosy day on 31<sup>st</sup> January 2024 by a visit by Faculty and residents to a Leprosaria: Interaction with patients, distribution of handouts and hand and foot care kits

**Name of Faculty: Dr. Abhishek Bhardwaj****Designation: Professor & Head****Invited Lectures**

1. Approach to Neonatal Erythroderma, 5<sup>th</sup> PedDermacon, 29<sup>th</sup> -30<sup>th</sup> July 2023, PGIMER Chandigarh, Chandigarh.
2. Neonatal Erythroderma, Virtual Lecture for DNB students, 24<sup>th</sup> August 2023 .(Online)
3. Ectoparasites in Dermatology, 17<sup>th</sup> National conference of Indian Academy of Tropical Parasitology, 26<sup>th</sup>-29<sup>th</sup> October 2023, AIIMS Jodhpur, Jodhpur
4. New and Emerging Entities in Dermatology, 3<sup>rd</sup> PGIMER-AIIMS joint conference, 28<sup>th</sup> January 2024, Hyatt Chandigarh, Chandigarh

**Symposium Speaker**

1. Panel Discussion on Diagnostic dilemmas and SCARs management, Urticaria and Drug rash symposium, Organized by PGIMER Chandigarh, 1<sup>st</sup> October 2023, Hotel Taj Chandigarh, Chandigarh
2. CME on Purpura- case based discussion, IADVL Karnataka Branch Online Webinar , 31<sup>st</sup> May 2023. (Online)

**Resource Faculty:**

1. Meeting to Prioritize MD/MS Thesis Topics, DHR-ICMR, 25<sup>th</sup> August 2023. (Online)
2. Teaching-Learning Method & Small and Large group teaching in Medical Education, PRIMER workshop on Medical Education, 16<sup>th</sup> March 2024, AIIMS, Jodhpur.

**Research Project:****Ongoing:****As Principal Investigator**

1. A multicentric randomized controlled trial (RCT) to compare the efficacy and safety of WHO MDT MBR (multi-bacillary regimen) with daily Rifampicin versus WHO MDT MBR (multi-bacillary regimen) with placebo in highly bacillated Multibacillary Leprosy patients. Indian Association of Dermatologists, Venereologists and Leprologists Research Grant, Multi-centric.
2. Comparative evaluation of patient feedback for quality improvement in Inpatient care in Dermatology wards: A longitudinal survey.

**As Co-Investigator**

1. Randomised clinical trial to study the clinical efficacy of oral Apremilast with topical triamcinolone acetonide versus topical triamcinolone acetonide alone (standard care) in oral lichen planus, AIIMS Jodhpur. Intra-mural project
2. A cross sectional study to assess the utility of dermoscopy in evaluation of patch test results
3. Cutaneous metastases of Internal malignancies : case series from a tertiary care institute
4. Histopathological spectrum of cutaneous Hyaline deposits: solving the puzzle of differentials of a rarely studied subgroup of lesions in dermatopathology
5. Cytodiagnosis by Tzanck smears: A 5 year experience at a tertiary care centre in Western India
6. A descriptive observational study to correlate changes of nail fold capillaroscopy with systemic micro-angiopathy in type 2 diabetes mellitus patients
7. An ambispective study to look at specific patterns of infiltrate in Leprosy and non-Leprosy granulomatous dermatoses

**Completed:****As Co-Investigator**

1. A double blinded randomized multicentric parallel group active controlled clinical trial comparing the efficacy of mupirocin ointment of apex laboratories pvt. Ltd with mupirocin ointment (t-bact) of gsk, in the treatment of superficial primary bacterial skin infections.
2. Clinical study for detection and characterization of superficial fungal infections using a multispectral fluorescence imaging device.
3. Telemedicine use to improve access, cost and quality of primary and secondary care of tribal people of Abu Road tehsil of district Sirohi, Rajasthan: a hybrid type 2 effectiveness implementation study.

**Scientific Awards/Patent**

1. Certificate of appreciation, contributing a book chapter , 1<sup>st</sup> annual research day, AIIMS Jodhpur, 13<sup>th</sup> January 2024.

**Examinership**

1. MD (Dermatology). AIIMS Raipur, 27<sup>th</sup> July 2023
2. MD (Dermatology). Geetanjali Medical College, Udaipur, 12<sup>th</sup> August 2023

**Membership/Post in Journal or Society or Association**

1. International Fellow; European Academy of Dermatology & Venereology
2. Member (SIG Coordinator); Academy of Indian Association of Dermatologists, Venereologists & Leprologists

**National/ International Conferences attended:**

1. 5<sup>th</sup> PedDermacon, PGIMER Chandigarh, Bhargava Auditorium, PGIMER Chandigarh, 29<sup>th</sup> -30<sup>th</sup> Jul 2023, Chandigarh
2. 17<sup>th</sup> National conference of Indian Academy of Tropical Parasitology, Dept. of Microbiology AIIMS Jodhpur, AIIMS Jodhpur, 26<sup>th</sup>-29<sup>th</sup> October 2023, Jodhpur
3. 3<sup>rd</sup> PGIMER-AIIMS joint conference, PGIMER Chandigarh, Hyatt Chandigarh, 28<sup>th</sup> Jan 2024, Chandigarh

**Name of Faculty: Saurabh Singh**

**Designation: Additional Professor**

#### **Books/Chapters**

1. Singh S, Biswas D. Updates in nail psoriasis. In: IADVL-SIG Psoriasis Newsletter, Indian Association of Dermatologists Venereologists and Leprologists IADVL, Jan 2024.

#### **Papers Presented:**

1. Singh S, Lahoria U, Ansari F, Mudugal R, Budania A, Bains A. Narrow margin excision may be effective for small, high risk basal cell carcinomas: an institutional experience. World Congress of Dermatology, 3<sup>rd</sup> - 8<sup>th</sup> July 2023, Suntec convention and exhibition centre, Singapore.

#### **Invited Lectures**

1. Pearls in psoriasis, Basics of psoriasis CME (SIG Psoriasis), 30<sup>th</sup> July 2023, Bombay hospital, Mumbai.
2. Dermatosurgery at difficult sites, 21<sup>st</sup> ACSICON, 5<sup>th</sup> -7<sup>th</sup> October 2023, AIIMS Nagpur, Maharashtra
3. Wound closure techniques at 44<sup>th</sup> Rajasthan Cuticon, 28<sup>th</sup> -29<sup>th</sup> October, 2023 Mandawa Rajasthan.
4. How to make dermatopathology teaching interesting, 26<sup>th</sup> annual meeting of dermatopathology Society of India, 17<sup>th</sup> -19<sup>th</sup> November 2023, The Park Hotel, Kolkata.
5. Subtle sign in connective tissue diseases at 3<sup>rd</sup> Joint PGIMER (Chandigarh)- AIIMS (Delhi) Dermatology Conference, 28<sup>th</sup> January 2024, Chandigarh.
6. Panelist on 'Case based scenarios in dermatosurgery' at 52<sup>nd</sup> Dermacon, 22<sup>nd</sup> -25<sup>th</sup> February 2024, Hyderabad.

#### **Resource Faculty:**

1. Operating workshop faculty on 'Simple excision and closure', AIIMS Procedural dermatology workshop, 5<sup>th</sup> -6<sup>th</sup> August 2023, AIIMS, Delhi
2. Moderator faculty for 3 sessions on , AIIMS Procedural dermatology workshop, 5<sup>th</sup> -6<sup>th</sup> August 2023, AIIMS, Delhi
3. Operating Workshop faculty for scar revision, 21<sup>st</sup> ACSICON by Association of Cutaneous Surgeons of India , 5<sup>th</sup> -7<sup>th</sup> October 2023, AIIMS Nagpur, Maharashtra
4. Panelist on 'Managing cases in dermatosurgery' 21<sup>st</sup> ACSICON by Association of Cutaneous Surgeons of India , 5<sup>th</sup> -7<sup>th</sup> October 2023, AIIMS Nagpur, Maharashtra

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

1. Application of new tools for molecular diagnosis and surveillance of post kala azar dermal leishmaniasis and cutaneous leishmaniasis in India. ICMR multicentric research project, Chief investigator for the Jodhpur site. ICMR-NIP Delhi.
2. Study of inflammatory infiltrate and HPV typing in patients with cutaneous and ano-genital warts and its change with treatment. Intramural funding.

**As Co-Investigator**

1. An ambispective study to identify early cases of DRESS syndrome and assess the risk factors for systemic involvement. Intramural funded
2. A retrospective study to evaluate the causes and risk factors of cutaneous ulcers in patients with leprosy. Non-Funded

**Scientific Awards/Patents:**

1. WCD Dermatologist scholarship award. For the abstract- Narrow margin excision may be effective for small, high risk basal cell carcinomas: an institutional experience. 25<sup>th</sup> World Congress of Dermatology 2023, 3<sup>rd</sup> - 8<sup>th</sup> July 2023.

**Membership/Post in Journal or Society or Association:**

1. Assistant Editor; Indian Journal of Dermatopathology and Diagnostic Dermatology
2. Assistant Editor; Journal of Cutaneous and Aesthetic Surgery
3. Member; Indian Association of Dermatologists Venereologists and Leprologists (IADVL) Academy
4. Member; Indian Association of Dermatologists Venereologists and Leprologists (IADVL) -SIG Psoriasis
5. Associate Editor; IADVL SIG Handbook of Psoriasis
6. Member; International Society of Dermatology
7. Member; International Union against Sexually Transmitted Infections

**National/ International Conferences attended:**

1. World Congress of Dermatology. Organised by National Skin Center Singapore in association with ILDS at Suntec Singapore Convention and Exhibition Centre, 3<sup>rd</sup> - 8<sup>th</sup> July 2023.
2. Basics of Psoriasis CME. Organised by IADVL-SIG Psoriasis & IADVL Maharashtra at Bombay Hospital, Mumbai, 30<sup>th</sup> July 2023.
3. Procedural Dermatology Workshop cum CME. Organised by dept. of Dermatology, AIIMS Delhi, AIIMS Delhi, 5<sup>th</sup> -6<sup>th</sup> August 2023.
4. ACSICON 2023. Organised by Vidarbha Dermatology Society & ACSI, AIIMS Nagpur and Hotel Radisson Blu, 5<sup>th</sup> -7<sup>th</sup> October 2023.
5. Rajasthan Cuticon. Organised by IADVL (Indian Association of Dermatologists Venereologists and Leprologists) Rajasthan state branch at Castle Mandawa, 28<sup>th</sup> -29<sup>th</sup> October 2023.
6. Annual Meeting of Dermatopathology Society of India. Organised by Wizderm clinic Kolkata, Hotel Park Kolkata, 17<sup>th</sup> -19<sup>th</sup> November 2023.
7. 3<sup>rd</sup> Joint PGIMER (Chandigarh)- AIIMS (Delhi) Dermatology Conference. Organised by dept. of Dermatology, PGIMER Chandigarh, The Hyatt Chandigarh, 28<sup>th</sup> January 2024.
8. 52<sup>nd</sup> DERMACON. Organised by IADVL at HITEC convention center, Hyderabad, 22<sup>nd</sup> -25<sup>th</sup> February 2024

**Name of Faculty: Dr Anil Budania**

**Designation: Additional Professor**

**Papers Presented:**

1. Budania A, Rajagopal V. Maskne: Its relationship to skin microbiome and response to treatment. 1st Annual Meeting of the International Societies for Investigative Dermatology. 10<sup>th</sup> -13<sup>th</sup> May 2023. Keio Plaza hotel, Tokyo, Japan.

**Sessions Chaired:**

1. Hair transplant for beginners. FUE Asia 2024 second world congress. 12-14 Jan 2024 Hotel Sahara Star. Mumbai.
2. Basics of Dermatosurgery. 44<sup>th</sup> Annual Conference of State branch of IADVL CUTICON Rajasthan. 28<sup>th</sup> -29<sup>th</sup> Oct 2023. Hotel castle Mandawa. Jhunjhunu, Rajasthan.

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. Intravenous iron therapy for patients of telogen effluvium: a pilot study.
2. Comparing the efficacy and safety of varying doses of oral minoxidil and 5 % topical minoxidil in androgenetic alopecia.

**Completed:**

**As Principal Investigator**

1. Clinical profile of urethritis and cervicitis and molecular characterization of the causative organisms. Intramural

**National/ International Conferences attended:**

1. 1st Annual Meeting of the International Societies for Investigative Dermatology. The International Societies for Investigative Dermatology. Keio Plaza hotel. Tokyo, Japan. 10<sup>th</sup> -13<sup>th</sup> May 2023.
2. 26<sup>th</sup> Annual Congress of Cosmetic Dermatology Society (India) COSDERMINDIA. Cosmetic Dermatology Society (India). Taj Resort & Convention Centre, Goa. 4<sup>th</sup> -6<sup>th</sup> August 2023.

**Name of Faculty: Dr Anupama Bains**

**Designation: Associate Professor**

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. A randomized clinical trial to study the clinical efficacy of oral apremilast with topical triamcinolone acetonide versus topical triamcinolone acetonide alone in oral lichen planus.
2. Role of clinical and laboratory parameters in Drug reaction with eosinophilia and systemic symptoms (DRESS) syndrome.

3. Impact on quality of life of family members of pediatric patients having alopecia areata: A cross sectional study.
4. A retrospective study to evaluate the causes and risk factors of cutaneous ulcers in patients with leprosy.
5. A cross-sectional study to assess the utility of dermoscopy in the evaluation of patch test results.

#### **As Co-Investigator**

1. Demonstration of integrated approach for surveillance of skin neglected tropical diseases (NTDs) in western Rajasthan, India. Royal society of Tropical medicine and hygiene.
2. Comparative evaluation of patient feedback for quality improvement in Inpatient care in Dermatology wards: a longitudinal survey.
3. Comparing the efficacy and safety of varying doses of oral minoxidil and 5% topical minoxidil in androgenetic alopecia

**Name of Faculty: Dr. Suman Patra**

**Designation: Assistant Professor**

#### **Invited Lectures**

1. Papular acne scar, 21<sup>st</sup> ACSICON by Association of Cutaneous Surgeons of India, 5<sup>th</sup> -7<sup>th</sup> October 2023, AIIMS Nagpur and Radisson Blu Nagpur, Maharastra
2. Glass slide challenge: DSI Annual Meeting by Dermatopathology Society of India, 17<sup>th</sup> -19<sup>th</sup> Nov 2023, Hotel The Park, Kolkata

#### **Resource Faculty:**

1. Panelist in the session Acne scars, 21<sup>st</sup> ACSICON by Association of Cutaneous Surgeons of India 5<sup>th</sup> -7<sup>th</sup> October 2023, AIIMS Nagpur and Radisson Blu Nagpur, Maharastra.
2. As faculty performed live surgery in Dermatosurgery (Procedural dermatology) workshop 5<sup>th</sup> -6<sup>th</sup> August 2023, AIIMS New Delhi
3. Blade and Light Workshop, 10<sup>th</sup> -13<sup>th</sup> Feb, 2024 AIIMS New Delhi

#### **Ongoing:**

##### **As Primary investigator**

1. A descriptive observational study to correlate changes of nail fold capillaroscopy with systemic micro-angiopathy in type 2 diabetes mellitus patients.
2. An ambispective study to look at specific patterns of infiltrate in Leprosy and non-Leprosy granulomatous dermatoses.
3. A prospective study to look at the profile of cutaneous livedoid vasculopathy cases in a tertiary care centre in western India. Intramural funded

##### **As co-investigator**

1. Study of inflammatory infiltrate and HPV typing in patients with cutaneous and ano-genital warts. Intramural funded
2. Tug of War: Vulvovaginal Candidiasis vs Colonization among patients attending Dermatology OPD of a tertiary care hospital of Western Rajasthan. AIIMS Jodhpur



3. Randomized clinical trial to study the clinical and serological efficacy of oral apremilast with topical triamcinolone acetonide versus topical triamcinolone acetonide alone in oral lichen planus. Intramural funded
4. A clinic epidemiological study of herpes zoster ophthalmicus in a tertiary care centre.
5. Role of clinical and laboratory parameters in Drug reaction with eosinophilia and systemic symptoms (DRESS) syndrome. Intramural
6. Histopathological spectrum of cutaneous Hyaline deposits: solving the puzzle of differentials of a rarely studied subgroup of lesions in dermatopathology.
7. Cytodiagnosis by Tzanck smears: A 5 year experience at a tertiary care centre in Western India.

#### **Scientific Awards/Patents**

1. Certificate of appreciation, contributing a book chapter , 1<sup>st</sup> annual research day, AIIMS Jodhpur, 13<sup>th</sup> January 2024.
2. Sporotrichoid spread of locoregional bacille Calmette-Guerin infection following intralesional immunotherapy for verruca vulgaris in an immunocompetent adult. Best Letter 'Case Letter' section of IJDVL in 2023, Dermacon 22<sup>nd</sup> -25<sup>th</sup> Feb 2024, , Hyderabad

#### **National/ International Conferences attended:**

1. Procedural Dermatology Workshop cum CME. Organised by dept. of Dermatology, AIIMS Delhi at AIIMS Delhi, 5<sup>th</sup> -6<sup>th</sup> August 2023.
2. ACSICON 2023. Organised by Vidarbha Dermatology Society & ACSI, AIIMS Nagpur and Hotel Radisson Blu, Nagpur, 5<sup>th</sup> -7<sup>th</sup> October 2023
3. Blade and Light Workshop, AIIMS New Delhi, Delhi, 10<sup>th</sup> -13<sup>th</sup> Feb, 2024
4. Annual Meeting of Dermatopathology Society of India at Hotel Park Kolkata, 17<sup>th</sup> -19<sup>th</sup> November 2023.

## Department of Diagnostic and Interventional Radiology

S.No.	Name	Designation
1	Dr. Pushpinder Singh Khera	Professor and Head
2	Dr. Binit Sureka	Additional Professor
3	Dr. Pawan Kumar Garg	Additional Professor
4	Dr. Taruna Yadav	Additional Professor
5	Dr. Sarbesh Tiwari	Associate Professor
6	Dr. Rengarajan Rajagopal	Assistant Professor
7	Dr. Ayushi Agarwal	Assistant Professor

### About the Department

The department provides high end diagnostic and intervention services and is offering services in Radiography, Ultrasound, Mammography, dual-source dual-energy Computed tomography (CT) and 3-Tesla Magnetic resonance imaging (MRI).

The interventional set up comprises of a Biplane DSA machine with advanced interventional tools. The intervention lab is one of finest labs in the country catering to both vascular and non-vascular procedures. The number of complex interventional procedures have seen a steady increase in the past year.

The department runs outdoor services, specialized clinics and inpatient services thereby making it one of the very few of its kind in India. This enables the fellows and residents to be well versed with clinical management of the patients. The Residents and Fellows of department participated in various virtual national and international conferences and CMEs.

### Compiled list of Publications of the department:

#### Publications:

1. Tiwari S, Garg PK, Panda S, Gupta A, Hegde A, Kumar D, et al. Neuroimaging spectrum in COVID-19 infection: a single-center experience. Indian Journal of Radiology and Imaging. 2023;33(03):351–60.
2. Gowda S, Ghosh T, Rajagopal R, Garg P, Khera P, Sinha A, et al. Outcomes after Embolization in Pediatric Abdominal Solid Organ Injury: A Trauma Center Experience. Indian Journal of Radiology and Imaging. 2024;
3. Tiwari S, Garg PK. Reply to the Letter to the Editor Titled “Neuroimaging Abnormalities in SARS-CoV-2 Infected are More Diverse than Previously Thought and Depend on the Methods Used.” Indian Journal of Radiology and Imaging. 2024;32.
4. Khera PS, Garg PK, Choudhary GR, Ghosh TS, Tiwari S, Choudhary B. Chyluria: clearing the ‘muddiness’ with lipiodol lymphangiography. Sudanese Journal of Paediatrics. 2023;23(1):104.
5. Goyal K, Yadav T, Garg PK, Khera P, Tiwari S, Rajagopal R. Pediatric Renovascular Hypertension: A Pediatric Interventional Radiologist’s Perspective. Indian Journal of Radiology and Imaging. 2023;

6. Warriar V, Shedde R, Garg PK, Dixit SG, Krishan K, Kanchan T. Machine learning and regression analysis for age estimation from the iliac crest based on computed tomographic explorations in an Indian population. *Medicine, Science and the Law*. 2023;00258024231198917.
7. Patel S, Meena D, Garg P, Mathur A, Katti M, Sharma AK. Surgical bypass of superior and inferior mesenteric arteries with Dacron graft in a patient with acute on chronic mesenteric ischaemia with atherosclerotic complete occlusion of the infrarenal aorta. *Indian Journal of Thoracic and Cardiovascular Surgery*. 2024;1–
8. Mahal S, Yadav T, Panda S, Garg PK, Khera PS, Tiwari S. Multimodality imaging in cerebral venous thrombosis: a synopsis for emergency radiologist. *Japanese Journal of Radiology*. 2024;1–13.
9. Warriar V, Shedde R, Garg PK, Dixit SG, Krishan K, Kanchan T. Computed tomographic age estimation from the iliac crest and ischial tuberosity in an Indian population using supervised machine learning approaches. *Anthropologischer Anzeiger; Bericht Über die Biologisch-anthropologische Literatur*. 2023;
10. Lodha N, Vihari N, Midha NK, Sethi TK, Garg P, Tak V. Lemierre's Syndrome Caused by *Streptococcus pneumoniae* in a Patient with Carbimazole-Induced Severe Neutropenia. *Kansas Journal of Medicine*. 2024;17(1):22–4.
11. Asfahan S, Tandon A, Chauhan NK, Jalandra RN, Garg MK, Bohra GK, Garg PK et al. Assessing the accuracy of pleural puncture sites in patients with pleural effusion as determined by clinical examination versus ultrasound—A single-centre prospective study. *Lung India*. 2024;41(2):98–102.
12. Warriar V, Shedde R, Garg PK, Dixit SG, Krishan K, Kanchan T. Applicability of the Suchey–Brooks method for age estimation in an Indian population: A computed tomography-based exploration using Bayesian analysis and machine learning. *Medicine, Science and the Law*. 2023;00258024231188799.
13. Vig A, Garg PK, Saxena R, Jadhav A, Nayak S, Pathak M. Laparoscopic excision of choledochal cysts: expect the unexpected. *Journal of Pediatric Endoscopic Surgery*. 2023;5(3):113–7.
14. Agrawal N, Gothwal M, Yadav G, Singh P, Varshney V, Yadav T, et al. Ileo-dermoid Fistula: A Rare Presentation of Ovarian Dermoid. *Journal of Mid-life Health*. 2023;14(4):299–301.
15. Singhal R, KB SB, Naranje P, Kazimi J, Garg PK, Chandra D, et al. Society of Chest Imaging and Interventions Consensus Guidelines for the Interventional Radiology Management of Hemoptysis. *Indian Journal of Radiology and Imaging*. 2023;
16. Agarwal L, Varshney VK, Jabbar S, Selvakumar B, Yadav T, Khera S. Thoracoscopy-Assisted Esophagectomy for Esophageal Leiomyomatosis. *Journal of Gastrointestinal Cancer*. 2023;1–5.
17. Sharma R, Thirunavukkarasu B, Nalwa A, Pathak M, Garg PK. Malignant rhabdoid tumour of liver: Conundrum on ascitic fluid. *Diagnostic Cytopathology*. 2023;51(4):276–9.
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**Name of Faculty: Dr Pushpinder S Khera**

**Designation: Professor and Head of the department**

**Invited Lectures**

1. "Embolisation for Head & Neck Tumors" in the session "Interventional Oncology in Head, Neck and Thoracic Tumors" during the 3rd Indian Cancer Congress organized at Mumbai, Nov 2023.

**Examiner:**

1. Examiner for the practical exam for the course of DM Interventional Radiology at Tata Memorial Hospital, Mumbai, Dec 2023.
2. Examiner for the practical exam for the course of DM Cardiovascular imaging and endovascular interventions at department of Cardiac Radiology, AIIMS New Delhi, Dec 2023.
3. Examiner for the PDCC Interventional Radiology Exam in the Specialty of Interventional Radiology, held at ILBS, New Delhi, December 2023.
4. Examiner DrNB Final Practical Exam in the super specialty of Interventional Radiology, Sir Ganagaram Hospital, New delhi, Jan 2024.

**Membership/Post in Journal or Society or Association**

1. Life Member of Indian Radiological and Imaging Association
2. Life Member of Indian Society of vascular and Interventional Radiology (ISVIR)
3. Life Member of Society for Chest Imaging and Interventions in India(SCII)
4. Corresponding member of European Society of Radiology (ESR)
5. Annual membership of Cardiovascular and Interventional Society of Europe (CIRSE)
6. Elected as Joint Secretary, Indian Society of Vascular and Interventional Radiology (2024-25).

**National/ International Conferences attended**

1. ISVIR Mid-term CME organized by Indian Society of Vascular and Interventional Radiology (ISVIR) at Bangalore, August2023.
2. 3rd Indian Cancer Congress organized at Mumbai,Nov 2023.
3. Hands-on workshop for musculoskeletal interventions, held in Coimbatore, Tamil Nadu on 4th Nov 2023, organised by Department of Radiology, Ganga Hospital and Musculoskeletal Ultrasound Society of India.
4. Annual conference of Indian Society of Vascular and Interventional radiology (ISVIR), Jaipur, Jan 2024.

**Name of Faculty: Dr Binit Sureka,**

**Designation: Additional Professor and Deputy MS**

**Invited Lectures:**

1. Invited faculty to speak on Imaging in Post-Cholecystectomy Complications Pancreatitis at the 76th Annual Conference of Indian Radiological & Imaging Association 25th -28th January 2024

2. Invited faculty for panel discussion on Cystic lesions in pancreas on 6th Annual Conference of Indian Society of Gastrointestinal and Abdominal Radiology – ISGAR 2023, PGIMER, Chandigarh, November 17-19, 2023.
3. Invited faculty to speak on Update in imaging in Pancreatitis at 30th Annual Conference Rajasthan, 9th-10th December 2023.
4. Invited faculty to speak on Challenging Abdominal cases; case-based approach on 30th Annual Conference Rajasthan, 9th-10th December 2023.
5. Invited faculty to speak on Pancreatic cystic lesions: Where are we now? At 5th Annual Conference of Society of Oncologic Imaging, 30th Jun-2nd July 2023.
6. Faculty for 5th Radiology Refresher Course at AIIMS Jodhpur, 17-18th Feb 2024

**Research Project:**

**Ongoing:**

**Chief Investigator:**

1. Can CT and MRI determine the origin of Periapillary carcinomas: determine the key imaging features?

**Co-Investigator:**

1. Maternal and neonatal outcome and multidisciplinary management of placenta accrete spectrum within a single tertiary centre
2. Endothelial dysfunction in children with CKD – associating circulating endothelial cells and markers of mineral bone disease with endothelial function and atherosclerosis
3. NAGA Trial – Gastric cancer

**National/ International Conferences attended:**

1. 76th Annual Conference of Indian Radiological & Imaging Association
2. 6th Annual Conference of Indian Society of Gastrointestinal and Abdominal Radiology
3. 30th Annual Conference Rajasthan IRIA
4. 5th Annual Conference of Society of Oncologic Imaging

**Name of Faculty: Dr Pawan K Garg**

**Designation: Additional Professor**

**Invited Lectures**

1. “Presentation on “When should we suspect pulmonary vasculitis on imaging?” during Annual Conference of Society of Chest Imaging and Intervention SCII-CON 2023 on 2nd- 3rd December 2023, at Tata Memorial Hospital, Mumbai, India.
2. Panelist for session ‘Interactive case discussions Inflammatory and infective conditions” during Annual Conference of Society of Chest Imaging and Intervention SCII-CON 2023 on 2nd- 3rd December 2023, at Tata Memorial Hospital, Mumbai, India.
3. Chairperson for Transplant Intervention session during Indian Society of Vascular and Interventional Radiology (ISVIR) 24th annual conference at Jaipur on 11-14th Jan 2024



4. Chairperson for Gastrointestinal-IR Complication session, during Indian Society of Vascular and Interventional Radiology (ISVIR) Mid Term CME Complication Management at Bengaluru on 26-27 August 2023.

**Research Project:**

**Ongoing:**

**Intramural Projects as co-investigator**

1. Targeted Axillary Dissection (TAD) with radiological guidance in post-chemotherapy breast cancer patients: a pilot study

**Nonfunded Projects as co-investigator**

1. Mycophenolate mofetil and prednisolone versus prednisolone alone in chronic hypersensitivity pneumonitis: a randomized controlled trial (MYCOHYPE study)
2. Lung Hydatid disease: A surgeon's Perspective and Experience

**Membership/Post in Journal or Society or Association**

1. Membership of National Academy of Medical Sciences (MNAMS)
2. Member of Indian College of Radiological and Imaging (ICRI)

**National/ International Conferences attended:**

1. Indian Society of Vascular and Interventional Radiology (ISVIR) 24th annual conference at Jaipur on 11-14th Jan 2024
2. Indian Society of Vascular and Interventional Radiology (ISVIR) Mid Term CME Complication Management at Bengaluru on 26-27 August 2023.
3. Annual Conference of Society of Chest Imaging and Intervention SCII-CON 2023 on 2nd- 3rd December 2023, at Tata Memorial Hospital, Mumbai, India.

**Name of Faculty: Dr Taruna Yadav**

**Designation: Additional Professor**

**Invited Lectures:**

1. "Gonadal and extragonadal pelvic tumors: imaging before and after treatment" in Mid-term CME of Indian Society of Paediatric Radiology (ISPR), held in Banaras Hindu University, Varanasi on 8th April 2023.
2. "RUQ pain - clinical orientation" in Sono Summit 2023 organized by 'Indian Radiological & Imaging Association' from 14-16 July 2023 at Chennai Trade Centre, Chennai, Tamilnadu.
3. "Radiation Safety and ALARA Principle" in National Annual conference of Indian society of Paediatric Radiology held on 8-10th September at Pune.
4. "MRI reading of brain, cervical, lumbar spine, shoulder and knee joint" in Indian Association of Physical Medicine and Rehabilitation (IAPMR) MIDTERM CME 2023 held from 14-17th September 2023, at All India Institute of Medical Sciences, Jodhpur, Rajasthan.

5. "Radiology as a diagnostic modality in Parasitic infections" in TROPACON 2023 (17th National Conference of Indian Association of Tropical Parasitology), organized at AIIMS Jodhpur from 26-29th October 2023.
6. Invited as a faculty for a lecture on "Mystery of mesentery" in 30th Annual conference of Indian radiological imaging association (Rajasthan chapter) held on 9-10th December 2023 at Rajasthan International Centre, Jaipur.
7. Quiz in 30th Annual conference of Indian radiological imaging association (Rajasthan chapter) held on 9-10th December 2023 at Rajasthan International Centre, Jaipur.
8. "Mesenteric Ischemia" in 76th National Annual conference of Indian Radiological Imaging Association held on 25-28 January 2024 at Vijaywada, Hyderabad.

### **Research Project:**

#### **Chief Investigator:**

1. Retrospective analysis of anatomical variations of neck vessels on CT in cases of aberrant subclavian artery. (Non funded project)

#### **As Co-Investigator**

##### Extramural project:

1. Site Co-investigator - a. Indian Multiple Sclerosis And Allied Demyelinating Disorders Registry And Research Network – ICMR Grant.
2. Multicentric study on "Indian standards for fetal growth based on serial Symphio-fundal height and ultrasound measurements: A multicentric longitudinal study" - SERB grant.
3. Upfront Surgery vs Induction Chemotherapy followed by surgery in oral cavity squamous cell cancers with Advanced Nodal disease (SurVIC Trial): A phase 3 Multicentric Randomized controlled trial.
4. Treatment of eumycotic mycetoma using a combination of antifungal therapy (itraconazole with or without amphotericin B) and surgery with clinical, radiological and mycological assessment – IADVSL research grant.

##### Intramural funded Project:

1. Performance of sentinel lymph node biopsy using Targeted Axillary Dissection (TAD) with intraoperative radiological guidance in post-chemotherapy breast cancer patients: A pilot study

#### **Non-funded project Co-Investigator:**

1. Retrospective analysis of cardiac CT imaging findings in patients with TOF, 2023
2. Multicentric – Anatomical variations of hepatic arterial supply among patients undergoing CT scans in a tertiary care centre in southern India: a descriptive study.
3. Spectrum of fetal Skeletal Dysplasia and its Genomic Profiling in prenatal women seeking antenatal care and clinico-radiological and genetic correlation."
4. Imaging patterns of Posterior Reversible Encephalopathy Syndrome in Children: A Retrospective Observational Study.
5. Multicentric - "Development of CT-based deep learning model for classification of fluid collection in acute pancreatitis based on the degree of solid component: A retrospective study"
6. Sub-staging of non-muscle invasive urothelial carcinomas

7. Assessment of Tumor-infiltrating Lymphocytes using International TILs working Group (ITWG) system in Colorectal carcinomas.

#### **Membership/Post in Journal or Society or Association**

1. Corresponding membership of European Society of Radiology (ESR).
2. Membership of Indian college of radiology and imaging (ICRI).
3. Working as “Joint secretary” (West Zone) in Indian National Society of Chest Imaging and Interventions (SCII).
4. Working as “Social Media Editor” - Twitter for Indian society of Paediatric Radiology (ISPR).
5. Working as Subspecialty member of Trauma and emergency radiology group of ICRI educational wing of IRIA.

#### **National/ International Conferences attended:**

1. Mid-term CME of Indian Society of Paediatric Radiology (ISPR), held in Banaras Hindu University, Varanasi on 8th April 2023.
2. SonoSummit 2023 organized by Indian Radiological & Imaging Association from 14-16 July 2023 at Chennai Trade Centre, Chennai, Tamilnadu.
3. National Annual conference of Indian society of Paediatric Radiology held on 8-10th September at Pune.
4. 30th Annual conference of Indian radiological imaging association (Rajasthan chapter) held on 9-10th December 2023 at Rajasthan International Centre, Jaipur.
5. 76th National Annual conference of Indian Radiological Imaging Association held on 25-28 January 2024 at Jaipur.

**Name of Faculty: Dr. Sarbesh Tiwari**

**Designation: Associate Professor**

#### **Papers presented:**

1. Demystifying MRI Patterns of Posterior Reversible Encephalopathy Syndrome in Children with Clinical Correlation: A Retrospective Observational Study at the 46th annual meeting of European society of Neuroradiology (ESNR) to be held in Vienna, Austria from 20th to 24th September 2023.
2. Coil Prolapse and Protrusion during endovascular coiling of intracranial aneurysm at the 6th Annual Conference of Society of Therapeutic Neurointerventions held at JW Marriot Chandigarh from 1st to 3rd December 2023.

#### **Invited Lectures:**

1. Faculty Speaker at Midterm CME of Indian Society of Neuroradiology (ISNR) on 22nd -23rd July in Taj Vivanta Guwahati, Organized by AIIMS Guwahati. Topic: Advanced Neuroimaging in Refractory Epilepsy
2. Faculty for Workshop – “Normal MRI anatomy of Brain” at IAPMR National Midterm CME -2023, organized by Department of Physical Medicine and Rehabilitation, AIIMS Jodhpur held on 14-17th September 2023.

3. Faculty Speaker at IAPMR National Midterm CME -2023, organized by Department of Physical Medicine and Rehabilitation, AIIMS Jodhpur held on 14-17th September 2023. Topic: "Neuroimaging in Head trauma".
4. Faculty Speaker at SERCON 2023, 10th annual conference of Society of Emergency Radiology on 15th October 2023, at NIMHANS Bangalore. Topic "Imaging in Head and Neck Injury".
5. Chairperson at the session "Nuclear Neurology" at 55th Annual Conference of the Society of Nuclear Medicine India (SNMICON 2023) hosted by the Department of Nuclear Medicine at AIIMS, Jodhpur from 16th to 19th November 2023.
6. Faculty /speaker for the "NBEMS webinar in the speciality of Radio Diagnosis" on 11th January 2024. Topic: OSCE-Neuroradiology"
7. Speaker at the 25th Annual Conference of Indian Society of Neuroradiology ISNR 2024, held at Hyderabad International Convention Centre, Novotel from 8th-10th March 2024. Topic of Presentation: 1. Hydrocephalus & 2. Epilepsy: Getting the protocol right.
8. Organized Quiz in "Adult Neuroradiology" at the 25th Annual Conference of Indian Society of Neuroradiology ISNR 2024, held at Hyderabad International Convention Centre, Novotel from 8th-10th March 2024
9. Panelist for Panel Discussion on "Epilepsy "at the 25th Annual Conference of Indian Society of Neuroradiology ISNR 2024, held at Hyderabad International Convention Centre, Novotel from 8th-10th March 2024
10. Speaker for ICRI Online Lecture programme "Imaging in Orbital Pathologies" on 1st November 2023

### **Research Project:**

#### **Ongoing**

##### **As Co-Investigator**

1. Non-Invasive measurement of ICP through point of care test (Optic nerve sheath Diameter and transcranial doppler) in children with traumatic brain injury in Emergency.
2. Role of Pulse methylprednisolone in children with vasculitis due to Tubercular meningitis-An Ambispective observational study
3. HTA of National Stroke Care Registry Programme - Development of Hospital Based Stroke Registries (HBSR) in different regions of India- Extramural (NCDIR Bengaluru)
4. Indian Multiple Sclerosis and Allied Demyelinating Disorders Registry And Research Network- Extramural (ICMR)

#### **Completed:**

##### **As Co-Investigator**

1. Post COVID neurological complications in children – A Ambispective study
2. Neurological manifestations in dengue fever, a retrospective observational study- Intramural.
3. Imaging patterns of Posterior Reversible Encephalopathy Syndrome in Children: A Retrospective Observational Study- In Peer review.

### **Membership/Post in Journal or Society or Association**

1. Indian Society of Neuroradiology
2. American Society of Neuroradiology – International Member
3. European Society of Neuroradiology
4. Society of Therapeutic Neurointervention.

**National/ International Conferences attended**

1. The 46th annual meeting of European society of Neuroradiology (ESNR) to be held in Vienna, Austria from 20th to 24th September 2023
2. The 55th Annual Conference of the Society of Nuclear Medicine India (SNMICON 2023) hosted by the Department of Nuclear Medicine at AIIMS, Jodhpur from 16th to 19th November 2023.
3. The 6th Annual Conference of Society of Therapeutic Neurointerventions held at JW Marriot Chandigarh from 1st to 3rd December 2023.
4. The 25th Annual Conference of Indian Society of Neuroradiology ISNR 2024, held at Hyderabad International Convention Centre, Novotel from 8th-10th March 2024
5. The 10th annual conference of Society of Emergency Radiology on 15th October 2023, at NIMHANS Bangalore

**Name of Faculty: Dr Rengarajan Rajagopal**

**Designation: Assistant Professor**

**Invited Lectures**

1. 'Coronary anatomy, variants and introduction to myocardial segments' in Indian Association of Cardiac Imaging IACI Mid-term Meet (August 2023)
2. Panel Discussion on 'Tele-diagnosis' in Digital Health Conclave iHub Drishti, Indian Institute of Technology Jodhpur (September 2023)
3. Panel discussion on 'Assessment of Myocardial viability: Is there a mismatch between what physicians want and what imaging modalities give?' in 55th Annual Conference of the Society of Nuclear Medicine India SNMICON (November 2023)
4. Panel discussion on 'Diagnosis & response evaluation of Cardiac Sarcoidosis: PET or CMR or both?' in 55th Annual Conference of the Society of Nuclear Medicine India SNMICON (November 2023)
5. 'CMR in myocarditis' in Indian Radiological and Imaging Association IRIA ICRI IACI Cardiac Series of Webinars (November 2023)
6. 'Parametric mapping (T1, T2, ECV) -their applications' in Cardiac MRI- Learn with the experts, AIIMS, New Delhi (December 2023)

**Research Project:****Ongoing:****Co-Principal Investigator**

1. Detection of Circulatory miRNA 1-3p, 126-5p, 133a as novel biomarkers for early prediction and detection of coronary artery disease by droplet digital polymerase chain reaction- a case-control study.
2. Effect of combining arterio-venous fistula and SLGT2- inhibitors in chronic kidney disease progression at 6month: a matched cohort study.
3. Cardiovascular effects of arteriovenous fistula in patients with CKD - A prospective cohort study.
4. Role of multiparametric cardiac MRI in patients with non-ischemic cardiomyopathy – A prospective study.

5. Safety and efficacy of endovenous laser ablation in patients with combined superficial and deep venous reflux.

**Membership/Post in Journal or Society or Association**

1. Pan Arab Interventional Radiology Society – International Member
2. Forum of Ethics Review Committees in India
3. Epidemiology Foundation of India

**National/ International Conferences attended**

1. Indian Association of Cardiac Imaging IACI Mid-term Meet (August 2023)
2. 55th Annual Conference of the Society of Nuclear Medicine India SNMICON (November 2023)
3. Cardiac MRI- Learn with the experts, AIIMS, New Delhi (December 2023)
4. Indian Radiological and Imaging Association IRIA Rajasthan Chapter Annual Conference (December 2023)
5. Indian Society of Vascular Interventional Radiology ISVIR Annual Conference (January 2024)
6. Annual Conference Indian Radiological & Imaging Association (January 2024)
7. Annual Congress of Cardiovascular and Interventional Radiological Society of Europe 2023

**Name of Faculty: Dr Ayushi Agarwal**

**Designation: Assistant Professor**

**Invited Lectures**

1. “RECIST in era of Molecular Oncology” at 55th Annual conference of The society of Nuclear Medicine India (SNMICON) 2023, conducted at AIIMS Jodhpur

**Research Project:**

**Ongoing:**

**Co-Principal Investigator**

1. Magnetic Resonance Defecography findings in chronic constipation and its relationship with anal manometry.

## Department of Endocrinology & Metabolism

S.No.	Name	Designation
1	Dr M.K Garg	Professor & Head (Since 14/03/2024)
2	Dr.Ravindra Shukla	Additional Professor
3	Dr.Madhukar Mittal	Additional Professor & Head (till 23/03/2024)

### About the Department:

The Department of Endocrinology and Metabolism was started in May 2016 as a referral center for Endocrine and Metabolic disorders in Western Rajasthan. The disorders treated include diabetes, thyroid disorders, obesity, osteoporosis and other disorders of bone and mineral metabolism, disorders of growth, pubertal development and sexual differentiation, pituitary-adrenal disorders and other metabolic and syndromic diseases. The Department runs Endocrine and Diabetes Clinic with comprehensive management of various Endocrine disorders including Diabetes mellitus on Monday, Tuesday, Wednesday and Friday. On Thursday patients of Thyroid disorders are seen. The department runs specialty Pituitary clinic 2 to 5 pm on Wednesday. There is indoor facility where dynamic tests like, HDDST, water deprivation test, Saline infusion tests, glucagon stimulation test, Growth hormone stimulation tests, etc are done. These tests required patients to be referred to AIIMS Delhi earlier. With acquiring of the state-of-art Hologic DEXA machine in January 2021, the Bone and Osteoporotic services of the department have been greatly strengthened. In future with aim of comprehensive diabetes care, diabetes foot care clinic with focus on high risk diabetes foot and secondary preventive facilities will be started. There is plan to develop integrated clinic focusing on nutrition for diabetes and obesity management. There is long term aim to establish leadership both in clinical and cutting edge basic research in arenas of metabolism, pituitary and bone disorders. There is aim to establish dedicated Type 1 Diabetes clinic and Type 1 DM research consortium, focusing on regenerative therapies. The department aims to start islet transplantation as therapy for type 1 DM in next couple of years. The department aims to expand its base and scope with interdepartmental coordination and collaboration. Thyroid ultrasound with Fine Needle Aspiration, autonomic function testing in diabetes patients, diabetic foot care lab, advanced hormonal assay lab including dynamic endocrinology testing, Diabetes Technology (including CGMS, RTGS, non-prick glucometers) lab would help in developing a department providing adequate teaching facilities for DM students, patient care and research.

### Compiled list of Publications of the Department:

#### Papers

#### Pubmed Indexed:

1. Sivaprasad R, Gopalakrishnan M, Khichar S, Shukla R, Shukla K, M. K. Garg. Effect of rheumatoid arthritis on bone mineral density and its relationship with inflammatory milieu in patients with rheumatoid arthritis. Annals of the Rheumatic Diseases 2023; 82:1318-1319.
2. Garg MK, Kumar P, Nandagopal S, Shukla K, Gopalakrishnan M. Endocrine dysfunction in patients with rheumatoid arthritis and their relationship to disease severity. Annals of the Rheumatic Diseases 2023;82: 1358-1359.

3. Mittal M, Porchezian P, Kapoor N. Honeymoon phase in type 1 diabetes mellitus: A window of opportunity for diabetes reversal? *World J Clin Cases*. 2024 Jan 6;12(1):9-14. doi: 10.12998/wjcc.v12.i1.9. PMID: 38292619; PMCID: PMC10824181.
4. Mittal M, Rizvi A. Commentary: Azathioprine as an adjuvant therapy in severe Graves' disease: a randomized controlled open-label clinical trial. *Front Endocrinol (Lausanne)*. 2024 Feb 21;15:1342915. doi: 10.3389/fendo.2024.1342915. PMID: 38449843; PMCID: PMC10915777.
5. Khokhar M, Purohit P, Tomo S, Agarwal RG, Gadwal A, Bajpai NK, Bohra GK, Shukla RK. PTEN, MMP2, and NF- $\kappa$ B and Regulating MicroRNA-181 Aggravate Insulin Resistance and Progression of Diabetic Nephropathy: A Case-Control Study. *Kidney Dial*. 2023; 3: 121-138. <https://doi.org/10.3390/kidneydial3010011>
6. Sachin J, Shukla R, Anil A. et al. COVISHIELD vaccine-induced thyroiditis: a case report. *J Med Case Reports*. 2023; 17: 542. <https://doi.org/10.1186/s13256-023-04279-0>
7. Roy D, Khokhar M, Shukla RK, Sharma P, Purohit P. Analysis of serum Growth Differentiation Factor-15, SMAD7, miRNA-21, miRNA-181b in pre-diabetics and type 2 diabetics without comorbidities-a case-control study. *Aspects of Molecular Medicine*. 2023; 2: 100020.
8. Shamim MA, Manna S, Dwivedi P, Swami MK, Sahoo S, Shukla R, Srivastav S, Thaper K, Saravanan A, Anil A, Varthya SB, Singh S, Shamim MA, Satapathy P, Chattu SK, Chattu VK, Padhi BK, Sah R. Minocycline in depression not responding to first-line therapy: A systematic review and meta-analysis. *Medicine*. 2023; 102(45): e35937. <https://doi.org/10.1097/MD.00000000000035937>

#### Non-Pubmed Indexed:

1. Rizvi A, Mittal M, Saxena S. Skeletal fragility in type 1 diabetes mellitus: A rare case of avascular necrosis of talus. *Int J Diab Devel Count*. 2024 10.1007/s13410-024-01346-0.

#### Workshops/ Conferences Organized

1. Organized Webinar on “Regenerative therapies in Diabetes Mellitus”. AEDR, 24<sup>th</sup> January 2024, involving ongoing ICMR research projects in the above field, AIIMS Jodhpur

#### Any other information:

1. The Department of Endocrinology organized a Diabetes Awareness Camp at an Old age Home, Jodhpur on 10<sup>th</sup> February /2024.



Interactive session during the Diabetes awareness camp



**Name of Faculty: Dr Madhukar Mittal**

**Designation: Additional Professor (Date of resignation: 23<sup>rd</sup> March 2024)**

**Papers Presented:**

1. Jain S, Gupta P, Singh M, Vyas V, Mittal M. McCune Albright syndrome: unraveling the complexities and challenges. . ISBMR. 10<sup>th</sup> February 2024
2. Jain S, Rastogi P, Kumar R, Shukla R, Banerjee M, Garg MK, Mittal M. Evaluating Bone mineral density, Bone quality and Bone Turnover Markers in patients of Graves' disease. . ISBMR, 10<sup>th</sup> February 2024
3. Jain S, Anupriya K, Shukla R, Mittal M. Digenic MODY Defies Clinical Norms: The Time for Personalized Medicine has Arrived. Raj RSSDI, 17<sup>th</sup> March 2024

**Name of Faculty: Dr.Ravindra Shukla**

**Designation: Additional Professor**

**Papers Presented:**

1. Artificial Neural Network (ANN) model employing Immunometabolic factors is better than FRAX for predicting fragility fractures (FF) in postmenopausal women with autoimmune hypothyroidism. Annual conference of ASBMR, 13<sup>th</sup>-16<sup>th</sup> October 2023, Vancouver, Canada
2. Jain S, Gupta P, Singh M, Vyas V, Mittal M. McCune Albright syndrome: unravelling the complexities and challenges. ISBMR, 10<sup>th</sup> February 2024
3. Jain S, Rastogi P, Kumar R, Shukla R, Banerjee M, Garg MK, Mittal M. Evaluating Bone mineral density, Bone quality and Bone Turnover Markers in patients of Graves' disease. . ISBMR, 10<sup>th</sup> February 2024
4. Jain S, Anupriya K, Shukla R, Mittal M. Digenic MODY Defies Clinical Norms: The Time for Personalized Medicine has Arrived. Raj RSSDI, 17<sup>th</sup> March 2024

**Invited Lectures**

1. Place of Growth Hormone Therapy in Short Child. 1st Annual Conference of Rajasthan Endocrine Society, 7<sup>th</sup>-9<sup>th</sup> September 2023, Jaipur
2. Advanced management of Type 1 DM. 16<sup>th</sup> -17<sup>th</sup> March 2024, RAJ-RSSDI, Ranakpur, Rajasthan
3. Endocrine and Metabolic abnormalities after Traumatic Brain Injury (TBI). 16<sup>th</sup> September 2023, IAPMR Midterm CME 2023, 15<sup>th</sup> -17<sup>th</sup> September 2023, AIIMS Jodhpur
4. Application of genetic profiling in improving islet tx outcome in Type 1 DM & MicroCRSPR Technologies. 21<sup>st</sup> August 2023, Vapi, Gujarat.
5. Insulin Storage techniques and common errors. Insulin Symposium, HOPECON 2023 30<sup>th</sup> June – 2<sup>nd</sup> July 2023, Kolkata

**Session Chaired**

1. Diabetes Symposium. ESICON 2024 The 52nd Annual Conference of Endocrine Society of India (ESI), 14<sup>th</sup> -17<sup>th</sup> Dec 2024, Hyderabad

2. Riya and Paul Ganguly symposium on Diabetes. International Society of Heart Research ISHR (India section) and International Academy of cardiovascular Sciences , 17<sup>th</sup> February 2024, AIIMS Jodhpur

## **Research Projects**

### **Ongoing**

#### **As Principal Investigator**

1. Neuroendocrine manifestation after Traumatic Brain Injury (TBI)
2. Effect of rhGH in post operative hypopituitarism
3. Cross sectional study of BMD in primary hypothyroidism
4. Effect of Metformin supplementation on Gut microbiota of newly diagnosed DM (extra-mural PhD)

#### **As Co-Investigator**

1. Use of smartphone-based intervention for diabetes education in community-dwelling adults
2. Tribal Health Initiative: Collaboration between the Ministry of Tribal Affairs and AIIMS Jodhpur at Abu Road CHC
3. Efficacy and safety of Bupropion in self-care adherence and glycemic control in type 2 DM with mild depression: A randomized open-label RCT
4. Neuro-hormonal evaluation in individuals with obesity and its correlation with Personality traits and Prakriti types
5. Assessment of cardio-metabolic and bone health in polycystic ovarian disease patients and their relationship with serum follistatin levels.
6. Randomized Control Trial (RCT) Saroglitazar Vs standard treatment in newly diagnosed Diabetics
7. Study on assessment of risk factors for cardiovascular and metabolic complications in patients of pheochromocytoma and paraganglioma
9. Assessment of body composition in low birthweight baby

#### **Scientific Awards/Patents:**

1. Awarded ICMR international long term fellowship 2023. To conduct research in University of Minnesota, USA
2. Awarded Short Term Research Fellowship (SRTF) by IFI/ French Embassy in India to visit Neuroendocrine Lab of Prof Vincent Prevot INSERM, Lille, France

#### **Membership/Post in Journal or Society or Association**

1. Editorial Board; Frontiers in Medicine & World Journal of Clinical Cases
2. Prepared and conducted Quiz for Public Health Foundation of India (PHFI) initiative Endocrinology Masterclass; 8<sup>th</sup> January 2024

## Department of Forensic Medicine and Toxicology

S.No.	Name	Designation
1	Dr Tanuj Kanchan	Professor
2	Dr. Puneet Setia	Professor
3	Dr Raghvendra Singh Shekhawat	Additional Professor
4	Dr Vikas Meshram	Additional Professor

### About the Department

The department of Forensic Medicine and Toxicology at AIIMS, Jodhpur is actively involved in teaching and training of MBBS and B.Sc. nursing students. The undergraduate and postgraduate students regularly visit Regional Forensic Science Laboratory (RFSL), Jodhpur so that they can have an understanding of an integrated approach towards crime investigation process. Innovative methods of teaching like small group teaching, use of clickers, moot courts, panel discussions, etc. are employed to make the learning process easier for the students. At present, twelve postgraduates and two PhD are pursuing their respective courses in the department. Two postgraduate students are enrolled in the dual MD PhD course. The department is one of its kind in the nation to start the DM course in Forensic Pathology and two candidates have joined the course in this duration. The department is one of its kind where ten days mandatory posting is required by the interns to complete their clinical postings. The mortuary complex is fully functional, and printed autopsy reports are generated. Last year, 163 medicolegal autopsies were conducted. The department also offers crime scene visits as and when required by the law enforcement agencies. The department also operates a Clinical Forensic Unit in the Emergency and Trauma premises which runs on a 24x7 basis. Last, year 2636 medico-legal cases were dealt. Clinical services also include comprehensive services to the survivors of sexual violence. The department has gained a reputation of a referral centre for dispensing expert opinion on cases forwarded by Police, State Level Commissions and Honorable Courts. The faculty are involved as members of Medical Boards for disability assessment and recruitment issues.

The department is making significant progress in the research field. The department also got the first prize on the research day held on 13<sup>th</sup> of January 2024 under the category of "Awards to departments for their outstanding research accomplishments". At present, there are five non-funded and five extramural projects going on in the department. Last year, 46 Pubmed indexed, and 03 non-Pubmed indexed articles were published by the various faculty of the department.

### Compiled list of Publications of the department

#### Papers

##### Pubmed Indexed:

- Shrestha R, Krishan K, Ishaq H, Kanchan T. Abrasion. 2023. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing.
- Patnana AK, Kanchan T. Tooth Fracture. 2023. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing.
- Shedje R, Krishan K, Warriar V, Kanchan T. Postmortem Changes. 2023. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing.

4. Warriar V, Krishan K, Shedge R, Kanchan T. Height Assessment. 2023. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing.
5. Bhargava DC, Jadav D, Meshram VP, Kanchan T. ChatGPT in medical research: challenging time ahead. *Med Leg J.* 2023;91(4):223-5.
6. Shrestha R, Kanchan T, Krishan K. Gunshot Wounds Forensic Pathology. 2023. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing.
7. Guleria A, Krishan K, Sharma V, Kanchan T. ChatGPT: Forensic, legal, and ethical issues. *Med Sci Law.* 2024;64(2):150-6.
8. Rani D, Chitara N, Kanchan T, Krishan K. 3D printed bionic ear and microtia-anotia: Medical and forensic implications. *Congenit Anom (Kyoto).* 2023;63(3):60-5.
9. Shrestha R, Kanchan T, Krishan K. Methods of Estimation of Time Since Death. 2023. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing.
10. Kaur T, Chitara N, Guleria A, Meena R, Siwan D, Rani D, Kaur K, Sharma V, Kanchan T, Krishan K. Development, detection and decipherment of obfuscated fingerprints in humans: Implications for forensic casework. *Naturwissenschaften.* 2023;110(6):55.
11. Meshram VP, Shekhawat RS, Ayyappan S, Rao M, Kanchan T. Homicidal electrocution disguised as an accidental death. *J Forensic Sci.* 2023;68(4):1405-9.
12. Jadav D, C Bhargava D, Meshram V, S Shekhawat R, Kanchan T. Medical termination of pregnancy: A global perspective and Indian scenario. *Med Leg J.* 2024;92(1):34-42.
13. Chitara N, Rani D, Kanchan T, Krishan K. Odontoma and other congenital dental anomalies: Implications for forensic identification. *Congenit Anom (Kyoto).* 2023;63(5):132-40.
14. Meena R, Krishan K, Ghosh A, Kanchan T. Is it possible to estimate sex from signatures and handwriting? A review of literature, observations, and future perspectives. *Naturwissenschaften.* 2023;110(4):32.
15. Guleria A, Krishan K, Sharma V, Kanchan T. ChatGPT: ethical concerns and challenges in academics and research. *J Infect Dev Ctries.* 2023;17(9):1292-9.
16. Shrestha R, Kanchan T, Krishan K. Simulation Training and Skill Assessment in Disaster Medicine. 2023. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing.
17. Sharma R, Rao M, Kanchan T, Pradhan S, Khera S. Incidental Subventricular Ependymal Cell Rests: A Rare Case Report. *Am J Forensic Med Pathol.* 2023;44(4):e120-2.
18. Kumar MS, Shekhawat RS, Kanchan T, Midha NK. Diagnostic Dilemma in Fatal Paraquat Poisoning: An Autopsy Case Report. *Acad Forensic Pathol.* 2023;13(2):80-5.
19. Kumar PSS, Meshram V, Kanchan T. Injury distribution and severity in suicidal versus accidental fall from heights: need for a multifactorial consideration. *Forensic Sci Med Pathol.* 2023;19(4):629.
20. Ansert E, Nirenberg MS, Mukhra R, Kanchan T, Krishan K. Ghosting phenomenon in static and dynamic footprints in India and the United States. *Sci Justice.* 2023;63(3):406-13.
21. Warriar V, Shedge R, Garg PK, Dixit SG, Krishan K, Kanchan T. Applicability of the six-phase method for auricular age estimation in an Indian population: A CT-based study. *Med Sci Law.* 2023;258024231206864.
22. Panwar R, Shekhawat RS, Shukla KK, Rao M, Rathore M, Kanchan T. Quantitative estimation of TNF- $\alpha$  and IL-3 by using ELISA from human lung tissue in fatal asphyxial deaths. *J Forensic Leg Med.* 2023;98:102559.
23. Warriar V, Shedge R, Garg PK, Dixit SG, Krishan K, Kanchan T. An evaluation of the three-component pubic symphyseal human age estimation method: a CT-based exploration in an Indian population. *Naturwissenschaften.* 2023;110(3):21.

- 24.P SSK, Jadav D, Vempalli SR, Meshram VP, Kanchan T. Fatal exsanguination following complete transection of femoral vessels due to angle grinder injury in an industrial accident. *J Forensic Sci.* 2023;68(3):1073-6.
- 25.Rani D, Krishan K, Kanchan T. A methodological comparison of discriminant function analysis and binary logistic regression for estimating sex in forensic research and case-work. *Med Sci Law.* 2023;63(3):227-36.
- 26.Shekhawat RS, Meshram VP, Rao M, Shedde R, Panwar R, Rathore M, Kanchan T. Further explorations into the role of mast cells in deaths associated with fatal asphyxia: an immunohistochemical study utilizing CD 117 marker. *Forensic Sci Int.* 2023; 350:111689.
- 27.Warrier V, Shedde R, Garg PK, Dixit SG, Krishan K, Kanchan T. Age estimation from iliac auricular surface using Bayesian inference and principal component analysis: a CT-based study in an Indian population. *Forensic Sci Med Pathol.* 2023.
- 28.Warrier V, Shedde R, Garg PK, Dixit SG, Krishan K, Kanchan T. An evaluation of the Gilbert-McKern pubic symphyseal age estimation method using Bayesian statistics and principal component analysis: A computed tomographic exploration in an Indian population. *Anthropol Anz.* 2023.
- 29.Ayyappan S, Shekhawat RS, Meshram VP, Kanchan T. Spontaneous retroperitoneal and intracranial hemorrhage following streptokinase therapy in acute myocardial infarction: An autopsy case report. *J Forensic Sci.* 2024;69(1):346-50.
- 30.Warrier V, Shedde R, Garg PK, Dixit SG, Krishan K, Kanchan T. Machine learning and regression analysis for age estimation from the iliac crest based on computed tomographic explorations in an Indian population. *Med Sci Law.* 2024;64(3):204-16.
- 31.Warrier V, Shedde R, Garg PK, Dixit SG, Krishan K, Kanchan T. Applicability of the Suchey-Brooks method for age estimation in an Indian population: A computed tomography-based exploration using Bayesian analysis and machine learning. *Med Sci Law.* 2024;64(2):126-37.
- 32.Kumar PSS, Meshram V, Shekhawat RS, Kanchan T. Estimation of the postmortem interval from histological changes in the lingual tissue: Need for further exploration. *Forensic Sci Med Pathol.* 2024.
- 33.Thakral S, Purohit P, Mishra R, Gupta V, Setia P. The Impact of RNA Stability and Degradation in different tissues to the Determination of post-mortem interval: A Systematic Review. *Forensic Science International.* 2023 Jul 1:111772.
- 34.Thakral S, Ghosh M, Setia P, Sharma G. Therapeutic artifact: Case series. *Journal of Forensic and Legal Medicine.* 2023 Aug 1;98:102577.
- 35.Thakral S, Purohit P, Modi A, Mishra R, Sinha A, Setia P. Expression of human cardiac-specific genes: a novel method for post-mortem interval estimation. *Arch Med Sadowej Kryminol.* 2023;73(1).
- 36.Thakral S, Setia P, Sharma G. A novel approach towards identification: A case report and review of literature. *Journal of Forensic and Legal Medicine.* 2023 Nov 7:102616.
- 37.Mathew D, Thakral S, Setia P. The Investigation of an Accident Site with an Atypical Electrocution Exit Wound and Burn in an Unusual Location: A Rare Case Report and Review of Literature. *Academic Forensic Pathology.* 2023 Nov 26:19253621231214293.
- 38.Thakral S, Aeron S, Setia P. Frothing in a Case of Electrocution: A Rare Case and Review of Literature. *Academic Forensic Pathology.* 2023 Dec 18:19253621231218031.
- 39.Thakral S, Aeron S, Mishra R, Setia P. Preventing the spread of infection during highly infectious autopsies using a craniotomy box. *Arch Med Sadowej Kryminol.* 2023;73(2).
- 40.Khartade HK, Shrivastava S, Meshram PK, Meshram V, Ponnappan P. Narabali: A rare case of human sacrifice. *Med Sci Law.* 2024;64(2):164-168.

41. Khartade HK, Shrivastava S, Vashisht J, Phukan A, Palazhy PP, Meshram VP. Delayed Death Due to Lightning: An Autopsy Case Report Highlighting Diagnostic and Medicolegal Issues. *J Burn Care Res.* 2023;44(4):996-999.
42. Mathew D, Jadav D, Munisankar P, Meshram VP, Kumawat R, Elhence P. An unusual case of high-voltage electrocution of a truck driver due to inadvertent contact of the truck with an overhead wire. *J Forensic Sci.* 2024;69(2):698-701.
43. Kumar MS, Kanchan T, Meshram VP. Postmortem detection of biomarkers for diagnosis of traumatic brain injury. *Int J Legal Med.* 2024 (Online ahead of print Feb 1).
44. Vempalli SR, Meshram V, Singh Shekhawat R, Sureka B, Shedge R, Akbar M N J, Setia P, Kanchan T. 3D CT based age estimation from the pubic symphyseal surface in an Indian population using the Chen et al. method. *Anthropol Anz.* 2024 (Online ahead of print Feb 6).
45. Pulagura SSK, Jadav D, Meshram VP, Shekhawat RS, Kanchan T. Ant bite artifacts in a case of hanging. *J Forensic Sci.* 2024;69(3):1102-1105.
46. Vempalli SR, Meshram V, Singh Shekhawat R, Sureka B, Shedge R, Akbar M N J, Setia P, Kanchan T. 3D CTbased age estimation from the pubic symphyseal surface in an Indian population using the Chen et al. method. *Anthropol Anz.* 2024 (Online ahead of print Feb 6).

#### **Non-Pubmed Indexed:**

1. Thakral S, Aeron S, Mishra R, Setia P. Fabricated history conveyed by the victim to the forensic clinical practitioner, is it really malingering? Case report. *La Revue de Médecine Légale.* 2023 Apr 6:100394.
2. Thakral S, Purohit P, Modi A, Mishra R, Sinha A, Setia P. Autophagy genes (HMGB1, Bcl2, Bax) fold change expression in cadaveric heart tissue to estimate time since death: A unique approach. *La Revue de Médecine Légale.* 2023 Jul 26:100423.
3. Shekhawat RS, Bhargava DC, Kumar Meena S. Rethinking euthanasia in the Indian context: Another perspective. *Cancer Research, Statistics, and Treatment* 6(1):p 133-134, Jan–Mar 2023.

**Name of Faculty: Dr Tanuj Kanchan**

**Designation: Professor & Head**

#### **Sessions Chaired**

1. Panelist in Workshop on Publication Ethics. AIIMS, Jodhpur, 26<sup>th</sup> August 2023, Jodhpur.
2. Chairperson at TOXOCON 2023 (National Conference of Indian Society of Toxicologists) at BMC & RI, 14<sup>th</sup> - 15<sup>th</sup> October 2023, Bengaluru.
3. Judge for the Faculty Oral presentations held during the RAJFMTCON 2023. 4<sup>th</sup> -5<sup>th</sup> November 2023, Bikaner.
4. Panelist for the NBEMS “National Live Webinar Series” for its trainees across the country in the subject specialty of Forensic Medicine, 31<sup>st</sup> January - 28<sup>th</sup> February 2024.
5. Chaired scientific session during 51<sup>st</sup> IAPSMCON, 6<sup>th</sup> - 10<sup>th</sup> February 2024, Mangalore, from.
6. Panelist in the AIIMS Jodhpur - IIT Jodhpur Joint Conclave & Workshop on Stem Cells, Cellular Therapy, Gene Therapy and Tissue Engineering (JCSCTE-2023), AIIMS Jodhpur, 26<sup>th</sup> -28<sup>th</sup> March 2023.
7. Panelist at “Forensic Eye 2024”, Annual Conference organized by Department of Forensic Medicine and Toxicology, Himalayan Institute of Medical Sciences, 29<sup>th</sup> – 30<sup>th</sup> March 2024, Dehradun, UK.

### Scientific Awards/Patents

1. Outstanding Faculty Award in the field of Medicine during Careers360 Faculty Research Award Function at Delhi.
2. Recognition by the Karnataka Medco-Legal Society for inclusion in the list of World's Top 2% most cited scientists.
3. Recipient of multiple awards during the 1<sup>st</sup> Annual Research Day of AIIMS, Jodhpur.

### Invited Lectures

1. Forensic imaging and identification. 12<sup>th</sup> International Conference of Indian Academy of Medicolegal Experts (IAMLE), 1<sup>st</sup> – 4<sup>th</sup> June 2023, NEIGRIHMS, Shillong.
2. Medicolegal Aspects in TBI. IAPMR Midterm CME, 17<sup>th</sup> September 2023.
3. Role and Utility of Clinical Forensic Medicine Unit in Quality & Standardization of Medico-legal Reports. RAJFMTCON 2023, 4<sup>th</sup> - 5<sup>th</sup> November 2023, Bikaner.
4. Online lecture for IO's of CBI and State Police on 'Role of Forensic Medicine' during online course on investigation/ prosecution organized by CBI Academy, 16<sup>th</sup> February 2024, Ghaziabad, UP.
5. Resource Person in the NLUJ-ITEC Special Training Programme for Attorneys of OAG Nepal for profound insights into the topic 'Forensic Medicine', 25<sup>th</sup> February 2024, National Law University, Jodhpur.
6. Invited online lecture on 'Challenges associated with autopsy procedures in victims of infectious disease outbreak deaths' during CME on Navigating New Horizons: Emerging Infectious diseases and safe autopsy practices. SSSMCRI, 18<sup>th</sup> March 2024, Chennai.
7. Invited lecture on 'Clinical Forensic Medicine Services' during the "Forensic Eye 2024". Conference organized by Himalayan Institute of Medical Sciences, 29<sup>th</sup> - 30<sup>th</sup> March 2024, Dehradun.

### Membership/ Post in Journal or Society or Association

1. Associate Editor; Journal of Karnataka Medicolegal Society
2. Editorial Board Member; Journal of Forensic Medicine and Toxicology
3. Editorial Board Member; Journal of South India Medicolegal Association
4. Editorial Board Member; Journal of Indian Academy of Forensic Medicine

### Examinerships and MD/ PhD Thesis evaluation

1. External examiner for practical examination of MD (Forensic Medicine) at NEIGRIHMS, Shillong, 17<sup>th</sup> - 18<sup>th</sup> May 2023.
2. External examiner II MBBS Suppl (Forensic Medicine) examinations at AIIMS, Bathinda, 24<sup>th</sup> – 25<sup>th</sup> May 2023.
3. External examiner for practical examination of MD (Forensic Medicine) at Seth G. S. Medical College, and KEM Hospital, Mumbai in July 2023.
4. External examiner for practical examination of MD (Forensic Medicine) at Dr. SN Medical College, Jodhpur in July 2023.
5. Internal Examiner for PhD (Forensic Medicine) viva-voce examinations held in June 2023 at AIIMS, Jodhpur.
6. Internal Examiner & Chairperson for MD (Forensic Medicine) practical examinations held in June 2023 and December 2023 at AIIMS, Jodhpur.
7. Evaluation of MD thesis submitted to JIPMER, Puducherry for award of the degree of MD in Forensic Medicine and Toxicology in May 2023.

8. Evaluation of MD thesis submitted to JIPMER, Puducherry for award of the degree of MD in Forensic Medicine and Toxicology in October 2023.
9. Evaluation for MD thesis submitted to AIIMS, New Delhi in October 2023 for award of the degree of MD in Forensic Medicine and Toxicology.
10. Evaluation for MD thesis submitted to AIIMS, Rishikesh in August 2023 for award of the degree of MD in Forensic Medicine and Toxicology.
11. Question paper setter for the MD Examinations of May/ June session of JIPMER, Puducherry.
12. Question paper setter for the MBBS (Part-I) Professional Examinations of Forensic Medicine at NEIGRIHMS, Shillong.
13. External Examiner to evaluate thesis and to conduct the public viva voce examination of a Ph.D. student of Punjab University, Chandigarh in May, 2023.
14. Member of the Panel of Examiners to examine the PhD thesis from the University Srinivas University Mangaluru.

### Research Projects

#### As Principal Investigator:

##### Ongoing:

1. Site PI for 'Establishment of a multicenter Identification portal and DNA database for identification of unidentified dead bodies in India by using molecular, bioinformatics tools and techniques'. ICMR funded Extramural project

#### As Co-Investigator:

##### Ongoing:

1. Collaborative 5-year NIHR Global Health Research Centre Grant with University of Leicester, UK.
2. A study on prevalence and morphometric analysis of Wormian bone and metopism in Indian population – A 3D CT based evaluation.

### Conferences attended

1. Attended the 23rd Triennial Meeting of the International Association of Forensic Sciences (IAFS 2023), Sydney, Australia, 20<sup>th</sup> - 24<sup>th</sup> November 2023.
2. Annual Review Meeting of collaborative 5-year NIHR Global Health Research Centre Grant, Leicester, UK, 18<sup>th</sup> -22<sup>nd</sup> September 2023.
3. 12<sup>th</sup> International Conference of Indian Academy of Medicolegal Experts (IAMLE), NEIGRIHMS, Shillong, 1<sup>st</sup> – 4<sup>th</sup> June 2023.
4. TOXOCON 2023 (National Conference of Indian Society of Toxicologists). BMC & RI, Bengaluru1, 4<sup>th</sup> – 15<sup>th</sup> October 2023
5. 1<sup>st</sup> Annual Conference of Rajasthan Academy of Forensic Medicine and Toxicology (RAJFMTCON 2023), Bikaner, 4<sup>th</sup> - 5<sup>th</sup> November, 2023.
6. 51<sup>st</sup> IAPSMCON. Mangalore, 6<sup>th</sup> - 10<sup>th</sup> February 2024.
7. "Forensic Eye 2024", Annual Conference held at Himalayan Institute of Medical Sciences, Dehradun, 29<sup>th</sup> - 30<sup>th</sup> March 2024.

#### Any other information:

Acknowledgement & Appreciation for:



1. Adjunct faculty at Kasturba Medical College, Mangalore.
2. External Member for the Board of Studies in the Department of Forensic Medicine and Toxicology at AIIMS, Bathinda
3. By Ethics & Medical Registration Board (EMRB), National Medical Commission (NMC), India for "Preparation and finalization of the guidelines on "Professional Responsibilities of Medical Students"

#### **Invited Member/ Expert**

1. Expert Member, Board of Studies for the Department of Forensic Medicine, AIIMS, Bathinda.
2. Subject Expert in Doctoral Advisory Committee of Kasturba Medical College (KMC), Manipal, a constituent college of Manipal Academy of Higher Education (MAHE), Manipal.
3. External Doctoral Advisory Committee Member at JSS Medical College, Mysuru, JSS Academy of Higher Education and Research.
4. External Subject Expert in Standing Selection Committee for the interview of faculty posts (Group A) at AIIMS, Gorakhpur in December, 2023.
5. Expert member in the CPD Committee of EMRB, NMC, New Delhi.
6. Invited member in the Collaborative group for PG thesis topic identification in the subject specialty of Forensic Medicine; a joint initiative of NMC and ICMR, New Delhi.
7. Invited as Adjunct Professor at Kasturba Medical College (KMC), Mangalore, a constituent college of Manipal Academy of Higher Education (MAHE), Manipal.

#### **Name of Faculty: Dr. Puneet Setia**

#### **Designation: Professor**

#### **Workshops/ Conferences Organized**

1. Post Mortem Interval - Current Vistas, Challenges and the Way Forward. Half day workshop conducted at 23rd Triennial Meeting of the International Association of Forensic Sciences 2023, 19<sup>th</sup> - 20<sup>th</sup> November 2023, Sydney, Australia.

#### **Papers Presented:**

1. The utility of Ubiquitin C-terminal hydrolase L1 (UCH-L1) as a potential biomarker in predicting the severity and prognosis in cases of traumatic brain injury (TBI). 23rd Triennial Meeting of the International Association of Forensic Sciences 2023, 19<sup>th</sup> -20<sup>th</sup> November 2023, Sydney, Australia. (poster presentation)

#### **Research Project:**

##### **Ongoing**

##### **As Principal Investigator**

1. An observation study analyzing the Post Mortem Interval in Human cadavers using autophagy proteins. Extramural project funded by ICMR
2. Predictive value of progression of various stages of depression to suicide by Epigenetic modification of FKBP5 gene. Extramural project funded by ICMR
3. To study the prevalence of Bisphenol A toxicity and its metabolic and hormonal effects in females with Polycystic Ovary Syndrome. Extramural project funded by ICMR

4. Use of ergonomic semi-circular craniotomy box to prevent the spread of infection while sawing skull bone during the highly infectious autopsy. Non-funded
5. Serial estimation of gene expression of cardiac muscle specific and autophagy genes to analyse time since death. Non-funded

**National/ International Conferences attended:**

1. 23rd Triennial Meeting of the International Association of Forensic Sciences 2023, Sydney, Australia, 19<sup>th</sup> -20<sup>th</sup> November 2023

**Name of Faculty: Dr Vikas Meshram**

**Designation: Additional Professor**

**Books/Chapters**

1. Meshram V, Atreya A, Parekh U, Krishnan K, Kanchan T. Poison Deaths. In: Principles of Forensic and Legal Medicine, Paynes J, Byard R (editor), 1<sup>st</sup> edition, Boca Raton, CRC Press 2023.
2. Meshram V, Kanchan T. Vehicular related deaths. In: Principles of Forensic and Legal Medicine, Paynes J, Byard R (editor), 1<sup>st</sup> edition, Boca Raton, CRC Press 2023.
3. Meshram V, Kanchan T. Regional injuries. In: Thieme Test Prep Series Forensic Medicine and Toxicology, Kanchan T (editor), 1<sup>st</sup> edition, Noida, Thieme publishers 2023: 125-142.
4. Meshram V, Kanchan T. Transportation injuries. In: Thieme Test Prep Series Forensic Medicine and Toxicology, Kanchan T (editor), 1<sup>st</sup> edition, Noida, Thieme publishers 2023: 143-149.
5. Meshram V, Kanchan T. Starvation. In: Thieme Test Prep Series Forensic Medicine and Toxicology, Kanchan T (editor), 1<sup>st</sup> edition, Noida, Thieme publishers 2023: 163-166.
6. Meshram V, Kanchan T. Sexual offences. In: Thieme Test Prep Series Forensic Medicine and Toxicology, Kanchan T (editor), 1<sup>st</sup> edition, Noida, Thieme publishers 2023: 219-236.
7. Meshram V, Kanchan T. Sources of laws and law-making powers. In: Handbook of Forensic Nursing, Sharma S, Kanchan T (editor), 1<sup>st</sup> edition, New Delhi, Elsevier 2023: 51-60.

**Papers Presented:**

1. Mathew D, Setia P, Gadwal A, Sharma R, Meshram V, Purohit P. The utility of Ubiquitin C-terminal hydrolase L1 (UCH-L1) as potential biomarker in predicting the severity and severity in cases of traumatic brain injury (TBI). IAFS 2023, 23rd Triennial Meeting of the International Association of Forensic Sciences; 20<sup>th</sup>-24<sup>th</sup> Nov 2023, Sydney, Australia.
2. Nair A, Meshram V, Kanchan T, Shekhawat RS. Characterisation of tympanic membrane and sternocleidomastoid hemorrhages in hanging deaths. RAJFMTCON 2023; 4<sup>th</sup>-5<sup>th</sup> Nov 2023, S P Medical College Bikaner, Rajasthan
3. Kumar PSS, Jadav D, Meshram V. Hemorrhagic artifacts due to ant bite in a case of hanging: An autopsy case and review of literature. KAMLSCON 23; 3<sup>rd</sup>-4<sup>th</sup> Nov 2023, K.S Hegde medical academy, Mangalore, Karnataka

**Sessions Chaired:**

1. Medicolegal aspects of Hospital Practice, FORENSICON 2023, 26th National Conference of Medicolegal Association of Maharashtra; 28<sup>th</sup>-29<sup>th</sup> Oct 2023, Medical College and RN Cooper Hospital, Mumbai

2. Postgraduate paper presentation, Forensic Medicon 2024, 45th National Conference of Indian Academy of Forensic Medicine; 18<sup>th</sup>-20<sup>th</sup> Jan 2024, AIIMS Nagpur

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. Assessment of burnout and secondary traumatic stress among Forensic Medicine experts in India. Non-funded

**As Co-Investigator**

1. Study on prevalence and morphometry of wormian bone and metopism in Indian population – A 3D CT based evaluation. Non-funded
2. A retrospective analysis of near-hanging cases from 2017-2022 brought to a tertiary care hospital: Forensic and clinical perspective. Non-funded
3. Establishment of a multicenter Identification portal and DNA database for identification of unidentified dead bodies in India by using molecular, bioinformatics tools and techniques. ICMR funded extramural project

**Membership/Post in Journal or Society or Association**

1. Editorial board member; Journal of Forensic Medicine, Science and Law
2. Editorial board member; Journal of Forensic Medicine and Toxicology

**National/ International Conferences attended:**

1. FORENSICON 2023, 26th National Conference of Medicolegal Association of Maharashtra. Organized by the Department of Forensic Medicine & Toxicology, HBT Medical College and RN Cooper Hospital, Mumbai, 28<sup>th</sup>-29<sup>th</sup> Oct 2023
2. Forensic Medicon 2024, 45th National Conference of Indian Academy of Forensic Medicine. Organized by the Department of Forensic Medicine & Toxicology, AIIMS Nagpur, 18<sup>th</sup>- 20<sup>th</sup> Jan 2023

**Name of Faculty: Raghvendra Singh Shekhawat**

**Designation: Additional Professor**

**Books/Chapters**

1. Thieme Test Prep Series Forensic Medicine and Toxicology by Kanchan T: Thieme Medical Publishers. 2023 (National Medical Commission and Medical Ethics)
2. Thieme Test Prep Series Forensic Medicine and Toxicology by Kanchan T: Thieme Medical Publishers. 2023 (Professional Negligence and law)
3. Thieme Test Prep Series Forensic Medicine and Toxicology by Kanchan T: Thieme Medical Publishers. 2023 (Medical Asphyxia)

**Papers Presented:**

1. Nair A, Meshram V, Kanchan T, Shekhawat RS. Characterisation of tympanic membrane and sternocleidomastoid hemorrhages in hanging deaths. RAJFMTCON 2023. S.P. Medical College Bikaner, 4<sup>th</sup> -5<sup>th</sup> November 2023, Bikaner, Rajasthan.
2. Panwar R, Shekhawat RS, Bhargava DC. Atypical presentation of Perthes syndrome: A clinical and forensic perspective. RAJFMTCON 2023. S.P. Medical College Bikaner, 4<sup>th</sup>-5<sup>th</sup> November 2023, Bikaner, Rajasthan (First prize in oral presentation)
3. Meena SK, Shekhawat RS, Kanchan T, Yadav G. A curious case of suicide in a young child. RAJFMTCON 2023. S.P. Medical College Bikaner, 4<sup>th</sup>-5<sup>th</sup> November 2023, Bikaner, Rajasthan.
4. Mathew D, Deshmukh V, Panwar R, Shekhawat RS. Injuries resulting from locally sourced low grade explosives in an agricultural worker: a case report and forensic perspective. FORENSICON-2023, Organized by HBTMC and Dr RN Cooper hospital, 28<sup>th</sup> – 29<sup>th</sup> October 2023.

#### **Sessions Chaired:**

1. Medicolegal issues related to right to information. RAJFMTCON 2023; 4<sup>th</sup>-5<sup>th</sup> Nov 2023, S P Medical College, Bikaner, Rajasthan

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

1. Study on prevalence and morphometry of wormian bone and metopism in Indian population – A 3D CT based evaluation. Non-funded
2. A retrospective analysis of near-hanging cases from 2017-2022 brought to a tertiary care hospital: Forensic and clinical perspective. Non-funded

##### **As Co-Investigator**

1. Assessment of burnout and secondary traumatic stress among Forensic Medicine experts in India. Non-funded
2. An observation study analyzing the postmortem interval in human cadavers using autophagy proteins. Extramural by ICMR
3. Establishment of a multicenter Identification portal and DNA database for identification of unidentified dead bodies in India by using molecular, bioinformatics tools and techniques. ICMR funded extramural project

#### **Examinership**

1. MD Forensic Medicine and Toxicology, All India Institute of Medical Sciences, Jodhpur, 16<sup>th</sup> -17<sup>th</sup> June 2023
2. MD Forensic Medicine and Toxicology, All India Institute of Medical Sciences, Jodhpur, 15<sup>th</sup> -16<sup>th</sup> December 2023
3. Pre-final University Practical Examination, Dr S N Medical College, Jodhpur, 11<sup>th</sup>-14<sup>th</sup> January 2024

#### **Membership/Post in Journal or Society or Association**

1. Assistant Editor; Editorial Board of International Journal of Medical Justice, IJMJ
2. E-Associate Member; Global Academy of Forensic and Investigative Medicine and Sciences [GLAFIMS]

3. Lifetime member; Rajasthan Academy of Forensic Medicine

**National/ International Conferences attended:**

1. RAJFMTCON 2023, S P Medical College, Bikaner, Rajasthan, 4<sup>th</sup>-5<sup>th</sup> Nov 2023
2. National Symposium cum workshop on “Role of Forensics in Investigation process: an interdisciplinary approach for research development”, Swami Vivekanand Subharti University, Meerut, 12<sup>th</sup> -13<sup>th</sup> May 2023.
3. Medical Photography Workshop, Department of Medical Education Technology, All India Institute of Medical Sciences, Jodhpur, 19<sup>th</sup> August 2023
4. Webinar on IP Awareness/Training program under National Intellectual Property Awareness Mission, 15<sup>th</sup> September 2023
5. Webinar on “Consumer rights and unfair terms in standard form of contracts” by the club of law students, 10<sup>th</sup> September 2023
6. Seminar on “Trafficking of drugs: different approaches” by Sherlock Institute of Forensic Sciences, 26<sup>th</sup> November 2023
7. National training program on virtual autopsy Organised by Department of Forensic Medicine and toxicology, Anantnag, 22<sup>nd</sup> -23<sup>rd</sup> June 2023
8. “National conference on National Doctor’s Day 2023”, International medical research and scientific centre, 1<sup>st</sup> July 2023.
9. International CME on “Crime Scene Investigation”, Online on ZOOM, organized jointly by GLAFIMS INDIA and Forum Lex Association, ITALY, 5<sup>th</sup> August 2023,.
10. Workshop on LGBTQIA+ affirmative healthcare, AIIMS, Jodhpur, 2<sup>nd</sup> December 2023

## Department of General Medicine

S.No.	Name	Designation
1	Dr. M. K. Garg	Professor & HOD
2	Dr. Gopal Krishna Bohra	Additional Professor
3	Dr. Bharat Kumar	Associate Professor
4	Dr. Maya Gopalakrishnan	Associate Professor
5	Dr. Naresh Kr. Midha	Associate Professor
6	Dr. Deepak Kumar	Associate Professor
7	Dr. Satyendra Khichar	Associate Professor
8	Dr. Durga Shankar Meena	Assistant Professor

### About The Department

The Department of General Medicine serves as the cornerstone for all medical specialties. As the initial point of contact for patients seeking medical advice, our department employs a comprehensive approach to address a wide array of medical conditions. At AIIMS Jodhpur, our department is expertly led by a proficient team of faculty members, senior residents, and postgraduate trainees. Recognized as one of the most actively engaged departments at AIIMS Jodhpur, we extend our services to a broad region, covering Western Rajasthan and beyond. Our dedication to superior patient care is demonstrated through our provision of both outpatient and inpatient services, critical care facilities, and emergency medical services. To address chronic and complex cases, the Department offers specialized clinics in Hematology, Infectious Diseases, Rheumatology, Integrated Clinics, and Geriatric Medicine, ensuring comprehensive and personalized treatment options. As an integral part of this esteemed teaching institute, we are committed to educating both undergraduate and postgraduate medical students. Our department conducts regular clinics, lectures, journal clubs, case presentations, seminars, and faculty classes in collaboration with other departments. We also actively participate in the integrated teaching of undergraduates every Saturday, making us a dynamic and vital component of the Institute's teaching, patient care, and research ecosystem.

Our commitment to academic excellence is evident through our numerous publications in prestigious, indexed journals and the reporting of notable and unusual cases over the past year. To sustain the dissemination of knowledge, we have organized various Continuing Medical Education (CME) events throughout the year. Last year, we organized IDCON, which saw the participation of 150 onsite and 400 online delegates, and the national conference ASPICON, attended by many distinguished national faculty members from across India. We firmly believe that our success is directly linked to the quality of clinical care we provide to our patients. Our firm focus is to establish ourselves as a premier department in patient care, teaching, and clinical research, continuously trying for new heights of excellence in all our efforts.

### Published Papers

### Pubmed Indexed

1. Meena DS, Kumar A, Kumar D, Bohra GK, Purohit A. Enteric Fever-Associated Hemophagocytic Lymphohistiocytosis: A Systematic Review of Clinical Characteristics and Outcomes. *Am J Trop Med Hyg.* Apr 2;110(6):1217-1222. doi: 10.4269/ajtmh.23-0787. PMID: 38579699.
2. Srivastava S, Samaddar A, Khan S, Tak V, Bohra GK, Sharma D, Ghosh A, Nag VL. *Nocardia* otitidiscaviarum causing pulmonary nocardiosis: a case report and its review of the literature. *Access Microbiol.* 2024 Feb 16;6(2) doi: 10.1099/acmi.0.000530.v5. PMID: 38482345
3. Samantaray S, Kumar D, Bohra GK, Meena DS, et al. Effect of Ceftriaxone+sulbactam+disodium EDTA Combination in Treatment of Complicated Urinary Tract Infections Caused by Metallo Beta-lactamase Producing Enterobacterales: An Open-Label Randomized Controlled Trial, *Open Forum Infectious Diseases.* 2023; 10 (2), ofad500.451, <https://doi.org/10.1093/ofid/ofad500.451>
4. Naguthevar S, Ravindra A, Bohra GK, Kumar D, Meena DS, Tak V, Samantaray S, Sharma S, Garg MK. 2406. A Changing Landscape: Trends in Infective Endocarditis in Western India - A Single Centre Retrospective Analysis. *Open Forum Infect Dis.* 2023 Nov 27;10(Suppl 2): ofad500.2026.
5. Meena DS, Kumar D, Meena V, Bohra GK, Tak V, Garg MK. Epidemiology, clinical presentation, and predictors of outcome in nontuberculous mycobacterial central nervous system infection: a systematic review. *Trop Med Health.* 2023 Sep 25;51(1):54. doi: 10.1186/s41182-023-00546-4. PMID: 37749661.
6. Meena DS, Kumar D, Bohra GK. Acute severe gouty arthritis secondary to isotretinoin toxicity in a young male: a case report. *Reumatismo.* 2023 Sep 18;75(3). doi: 10.4081/reumatismo.2023.1566. PMID: 37721349.
7. Vihari N, Bohra GK, Yadav RR, Kumar D, Meena DS, Tak V, Sharma A, Nag V, Garg MK. The emergence of multidrug-resistant Gram-positive bloodstream infections in India - a single-center prospective cohort study. *Germs.* 2023 Sep 30;13(3):229-237. doi: 10.18683/germs.2023.1389.
8. Meena DS, Kumar D, Sharma M, Malik M, Ravindra A, Santhanam N, Bohra GK, Garg MK. The epidemiology, clinical presentation, and treatment outcomes in CNS actinomycosis: a systematic review of reported cases. *Orphanet J Rare Dis.* 2023 Jun 2;18(1):133. doi: 10.1186/s13023-023-02744-z.
9. Naveenraj P, Kumar D, Meena DS, Bohra GK, Tak V, Sharma A, Midha NK, Garg MK. Difficult-to-treat resistant gram-negative bloodstream infections - the beginning of a superbug era - a prospective observational study. *Indian J Med Microbiol.* 2023 Jul-Aug; 44:100364. doi: 10.1016/j.ijmmb.2023.02.007.
10. Samantaray S, Kumar D, Meena DS, Bohra GK, Akshatha R, Jain V, Tiwari S, Balamurugan T, Midha N, Garg MK. Invasive cerebral aspergillosis in non-neutropenic patients: A case series from Western India. *J Mycol Med.* 2023 May;33(2):101380. doi: 10.1016/j.mycmed.2023.101380.
11. Sharma A, Jalandra RN, Bohra GK. Daisley Barton syndrome. *Saudi J Anaesth.* 2023 Apr-Jun;17(2):290-291. doi: 10.4103/sja.sja\_567\_22. Epub 2023 Mar 10. PMID: 37260652.
12. Kumar A, Goyal S, Garg MK, Gopalakrishnan M. Scorpion Sting Envenomation, a Neglected Tropical Disease: A Nationwide Survey Exploring Perspectives and Attitudes of Resident Doctors from India. *Am J Trop Med Hyg.* 2023 Sep 11;109(4):957-964. doi: 10.4269/ajtmh.23-0194. PMID: 37696517.
13. Kachhwaha A, Kumar A, Garg P, Sharma A, Garg MK, Gopalakrishnan M. Delayed Compression Paralysis Following an Iliopsoas Hematoma 30 Days After Saw-Scaled Viper (*Echis carinatus sochureki*) Envenoming: A Case Report. *Wilderness Environ Med.* 2023 Sep;34(3):366-371. doi: 10.1016/j.wem.2023.03.005.
14. Bhaumik S, Di Tanna G, Beri D, Bhattacharya A, Kumar P, Giri S, Gopalakrishnan M, Raut S, Hartalkar A, Majgi SM, Jagnoor J. Effect of COVID-19 containment measures on access to snakebite care in India. *Rural and Remote Health* 2023; 23: 7881. <https://doi.org/10.22605/RRH7881>.

15. Kumar A, Kumar P, Sivaprasad R, Naja K, Shukla K, Garg MK, Gopalakrishnan M. Fatigue using patient-reported outcomes measurement information system (PROMIS) and its relationship with disease activity in rheumatoid arthritis: a prospective study from India. *Annals of the Rheumatic Diseases* 2023; 82:503-504.
16. Naja K, Kumar A, Sivaprasad R, Nandagopal S, Garg A, Garg MK, Gopalakrishnan M. Sleep quality in patients with rheumatoid arthritis: a single center experience from Jodhpur, India. *Annals of the Rheumatic Diseases* 2023;82:1315.
17. Malik M, S Kumar P, Kumar P H A, et al, Fat and lean mass distribution using Dual Energy X-Ray Absorptiometry (DEXA) in patients with rheumatoid arthritis and its relationship to disease severity. *Annals of the Rheumatic Diseases* 2023; 82:1314.
18. Kumar P, Kumar A, Garg MK, Gopalakrishnan M. Can rheumatoid arthritis impact of disease (RAID) score be used as a patient-reported outcome-based target in a treat-to-target approach: a prospective study from India. *Annals of the Rheumatic Diseases* 2023; 82:1289.
19. Sachin B, Kumar A, MK Garg, Gopalakrishnan M. Comparison of performance of ACR EULAR 2022 remission criteria in patients with rheumatoid arthritis from India. *Annals of the Rheumatic Diseases* 2023; 82:1287-1288.
20. Sivaprasad R, Gopalakrishnan M, Khichar S, Shukla R, Shukla K, M. K. Garg. Effect of rheumatoid arthritis on bone mineral density and its relationship with inflammatory milieu in patients with rheumatoid arthritis. *Annals of the Rheumatic Diseases* 2023; 82:1318-1319.
21. Garg MK, Kumar P, Nandagopal S, Shukla K, Gopalakrishnan M. Endocrine dysfunction in patients with rheumatoid arthritis and their relationship to disease severity. *Annals of the Rheumatic Diseases* 2023;82: 1358-1359.
22. Haripriya S, Malhotra S, Gadepalli R, Tak V, Kumar B. Unveiling Neurobrucellosis: A Case Report Emphasizing Early Diagnosis for Better Outcomes. *Access Microbiol.* 2024 Feb 13;6(2):000705.v3. doi: 10.1099/acmi.0.000705.v3
23. Bhardwaj P, Ganapathy K, Pathania M, Naveen KH, Charan J, Dutta S, Gadepalli R, Srinivasan S, Gupta MK, Goel AD, Midha N, Kumar B, et al. Effectiveness of ayurvedic formulation, NAOQ19 along with standard care in the treatment of mild-moderate COVID-19 patients: A double-blind, randomized, placebo-controlled, multicentric trial. *J Ayurveda Integr Med.* 2023 Nov-Dec;14(6):100778. doi: 10.1016/j.jaim.2023.100778.
24. Shakrawal J, Sharma V, Goyal A, Kumar D, Meena S, Tiwari S, Jain V, Elhence P, Soni K, Choudhury B, Bhatnagar K, Garg MK, Misra S. Outcomes of transcutaneous retrobulbar Amphotericin B (TRAMB) as adjuvant therapy for rhino-orbital-cerebral mucormycosis (ROCM) following COVID-19. *Int Ophthalmol.* 2023 Jun;43(6):1919-1926.
25. Shekhawat J, Kumar D, Bhardwaj P, Meena DS, Garg MK. Trends and Pattern of Diseases Under Integrated Disease Surveillance Project in Jodhpur, Rajasthan: A Retrospective Observational Study. *Indian J Community Med.* 2023 Mar-Apr;48(2):321-325.
26. Mahajan D, Gupta MK, Mantri N, Joshi NK, Gnanasekar S, Goel AD, Srinivasan S, Gonade NM, Sharma SK, Garg MK, Bhardwaj P. Musculoskeletal disorders among doctors and nursing officers: an occupational hazard of overstrained healthcare delivery system in western Rajasthan, India. *BMC Musculoskelet Disord.* 2023 May 4;24(1):349.
27. Anne PB, Gupta A, Misra S, Sharma SK, Garg MK, Bajpayee A, Bundas S, Bohra M, Asirvatham V. Economic Evaluation of Nucleic Acid Testing for Screening of Blood Donations for Thalassemia Patients (ECONAT) in Western India. *Indian J Hematol Blood Transfus.* 2023 Apr;39(2):317-324.
28. Shadrach BJ, Dutt N, Elhence P, Banerjee M, Chauhan NK, Jalandra RN, Garg MK, Garg P, Tandon A, Shishir S, Kochar R, Chhatwani B, Pareek P, Parrikar A. Clinical Utility of Bronchoalveolar Lavage



- Neutrophilia and Biomarkers for Evaluating Severity of Chronic Fibrosing Interstitial Lung Diseases. *Cureus*. 2023 Jul 19;15(7):e42162.
29. Sharma S, Samantaray S, Kumar D, Meena DS, Chaudhary R, Jain V, Bohra GK, Garg MK. Prosthetic valve endocarditis due to *Candida parapsilosis* - a rare case report. *Access Microbiol*. 2023 Jan 24;5(1):acmi000462.v4.
  30. Meena M, Khichar S, Pawar A, Midha N, Kumar S, Purohit A, Bohra GK, Garg MK, Singhai A. Iron Deficiency Anemia Presenting With Pancytopenia: A Study From India. *Cureus*. 2023 Sep 11;15(9):e45034.
  31. N Dutt, S Asfahan, NK Chauhan, MK Garg, PK Garg, GK Bohra, NK Bajpai. Assessing the accuracy of pleural puncture sites as determined by clinic-radiological examination versus Lung Ultrasound: a prospective study. *European Respiratory Journal* 62 (suppl 67), 2023.
  32. Mondal S, Gargari P, Bose C, Garg MK, Chowdhury S, Mukhopadhyay S. Abnormal body composition increases the cardiometabolic risk in adolescents and young adults with Turner Syndrome. *Endocr Pract*. 2023 Nov 30:S1530-891X(23)00776-0.
  33. Bharali B, Kumaran N, Meena DS, Garg MK. Monocrotophos-Induced Intermediate Syndrome Complicated by Hyperammonemic Encephalopathy: A Case Report. *Cureus*. 2023 Nov 8;15(11):e48527.
  34. Goyal H, Sureka B, Mangaraj N, Agarwal A, Kothari N, Garg MK, Banerjee M, Agarwal A, Garg P, Yadav T, Khera P. Comparison between abdominal CT findings in intensive care unit (ICU) and non-ICU patients with Covid-19: experience from a tertiary care hospital. *African Health Sciences*. 2023;23(4):64-74.
  35. Chaudhary M, Midha N K, Sukhadiya P, Kumar D, Garg MK. Metformin-Induced Chronic Diarrhea Misdiagnosed as Irritable Bowel Syndrome for Years. *Cureus* 2024.16(3): e56828. DOI 10.7759/cureus.56828.
  36. Lodha N, Vihari N, Midha NK, et al. "Lemierre's Syndrome Caused by *Streptococcus pneumoniae* in a Patient with Carbimazole-Induced Severe Neutropenia." *Kansas Journal of Medicine*, vol. 17, no. 1, 15 Mar. 2024, pp. 22–24.
  37. Kumar MS, Shekhawat RS, Kanchan T, Midha NK. Diagnostic Dilemma in Fatal Paraquat Poisoning: An Autopsy Case Report. *Academic Forensic Pathology*. 2023;13(2):80-85.
  38. Vijayan N, Vihari N, Nadeem M, Midha NK, et al. Phenytoin Overdose-induced Rhabdomyolysis: A Rare Case Report. *Indian J Crit Care Case Rep* 2023;2(3):69–71.
  39. Jalootharia G, Sivakumar H, Soni B, Tak V, Agrawal H, Gonnade NM, Gaur R, Kumar D. An uncommon case of a fleeting rash from Western Rajasthan. *Trop Parasitol*. 2024 Jan-Jun;14(1):54-56. doi: 10.4103/tp.tp\_64\_23. Epub 2024 Feb 15.
  40. Kaur M, Bains A, Bhardwaj A, Patra S, Kumar D, Aggarwal D, Yadav T. An intriguing case of scalp actinomycosis with brain and eye involvement: successful treatment with ceftriaxone. *Clin Exp Dermatol*. 2023 Aug 25;48(9):1050-1052.

### Workshops/ Conferences Organized:

1. The Department of General Medicine hosted IDCON 2023, a dynamic event held on May 6, 2023. This insightful gathering explored the latest advancements in infectious diseases and attracted approximately 200 onsite and 400 online delegates. More than fifteen esteemed faculty members from various INIs participated as external speakers, sharing their profound insights and expertise through engaging lectures.



Organising team of IDCON 2023

2. ASPICON 2023 held at AIIMS Jodhpur from September 29 to October 1, 2023 organized by SASPI and AIIMS Jodhpur, featured a workshop on antifungal stewardship and lectures on antibiotic stewardship. The event drew enthusiastic participation, facilitating knowledge exchange and promoting best practices in stewardship across India.



Lamp Lighting ceremony at inaugural session by eminent guests and organizers

**Name of Faculty: Dr. Mahendra Kumar Garg**

**Designation: Professor and HOD**

**Symposium Speaker:**

1. Delivered keynote lecture on 'Lifestyle and Diabetes'. NEDSCON 2023, 12<sup>th</sup> -13<sup>th</sup> Oct 2023, Shillong
2. Delivered lecture on 'Exercise – The Best but most underutilized Medicine'. RSSDI Raj 2024, 16<sup>th</sup> - 17<sup>th</sup> March 2024, Ranakpur, Rajasthan

**Examinership:**

1. External Examiner DM – Endocrinology at Gauwhati Medical College

**Research Projects-**

**Co-Investigator-**

1. A study of Metabolic Syndrome and its association with Inflammatory Markers & Insulin Resistance in school-going children in Western Rajasthan.
2. "Exploring empathy, advocacy, and neglect in the context of neglected tropical diseases: A mixed methods study from India." Extramural project funded by Association for Medical Education in Europe (AMEE), United Kingdom.
3. Neurological complications in dengue fever – a retrospective study.
4. Implementation of AMSP in various tertiary care centres in India. Extramural Project funded by ICMR New Delhi.

**National/ International Conferences attended.**

1. Northeastern Diabetes Society Conference, Shillong, 12<sup>th</sup> -13<sup>th</sup> October 2023
2. IDCON 2023, AIIMS Jodhpur, 6<sup>th</sup> May 2023
3. ASPICON 2023, AIIMS Jodhpur, 29<sup>th</sup> September-1<sup>st</sup> Oct 2023
4. RSSDI Rajasthan conference, Ranakpur, 16<sup>th</sup> -17<sup>th</sup> March 2024

**Name of Faculty: Dr. Gopal Krishana Bohra**

**Designation: Additional Professor**

**Symposium Speaker:**

1. Delivered a talk on "Interesting Cases in Clinical Haematology". Haematology Update 2024, 15<sup>th</sup> February 2024, AIIMS Jodhpur.
2. Panellist "Steroids in Severe Pneumonia" CIDS ICS webinar on Pulmonary Infections" Dec 2023.
3. Speaker "Candida Infection clinical insights" ASPICON 2023, AIIMS Jodhpur, 29<sup>th</sup> September – 1<sup>st</sup> October 2023, Jodhpur
4. Speaker "Antifungal Stewardship – a way ahead" ASPICON 2023, AIIMS Jodhpur, 29<sup>th</sup> September – 1<sup>st</sup> October 2023, Jodhpur
5. Speaker in "Converting Antibiotic Susceptibility Reports to Effective Prescriptions". AIIMS Jodhpur - ICMR Hands-on Workshop, 12<sup>th</sup> August 2023, Jodhpur.
6. Panellist "How to manage a case of UTI in my Clinic" Knowledge Forum 2023 Jodhpur, 21<sup>st</sup> -23<sup>rd</sup> August 2023, Jodhpur
7. Speaker "HIV and Opportunistic Infections" IDCON 2023, 6<sup>th</sup> May 2023, AIIMS Jodhpur.

8. Panellist “Interesting Infectious Cases” CIDCON 2023, 7<sup>th</sup> – 9<sup>th</sup> July 2023, Chennai.
9. Panellist “Hypertension and Cardiovascular System” ISHR 2024, 16<sup>th</sup> – 18<sup>th</sup> February 2024, AIIMS Jodhpur.
10. Panellist “Update in the treatment of Waldenstrom Macroglobulinemia” 29<sup>th</sup> – 30<sup>th</sup> March 2024, Jodhpur.
11. Speaker “Clinical features of Melioidosis”. AIIMS Jodhpur-ICMR CME on Melioidosis, 5<sup>th</sup> August 2024, Jodhpur

### **Research Projects:**

#### **Ongoing**

##### **As Principal Investigator:**

1. Indo-UK RECOVERY Trial. Extramural project funded by ICMR.
2. Sentinel Surveillance for Adverse Events of Special Interest (AESI) following COVID-19 vaccination in India. Extramural project funded by ministry of health and family welfare, Government of India.
3. Evaluation of risk factors, diagnostic role of galactomannan and outcomes of invasive aspergillosis in non-neutropenic patients– a prospective study.
4. Spectrum and etiology of anemia in elderly.

##### **As Co-Investigator**

1. One Health consortium. Extramural project funded Department of Biotechnology, Govt. of India.
2. Effect of ceftriaxone+ sulbactam+ disodium EDTA combination in treatment of complicated urinary tract infection caused by metallo beta-lactamase producing gram negative bacilli: an open label randomized controlled trial.
3. Role of urinary-lipoarabinomannan (LAM) assay in rapid detection of tuberculosis in hospitalized patients with HIV Infection.
4. Utility of Xpert mtb/rif ultra in rapid diagnosis of extra-pulmonary tuberculosis and rifampin resistance – a diagnostic study.
5. Rapid Detection of Pulmonary Tuberculosis in newly diagnosed HIV infection by using sputum CBNAAT.
6. Implementation of AMSP in various tertiary care centres in India. Extramural project funded by ICMR New Delhi.
7. Clinico-microbiological profile of pneumonia and role of urinary streptococcal antigen in diagnosis of pneumococcal pneumonia.
8. Clinico-microbiological profile of Urinary Tract Infection and detection of beta-lactamases by multiplex PCR.

##### **National/ International Conferences attended:**

1. IDCON 2023, AIIMS Jodhpur, 6<sup>th</sup> May 2023.
2. CIDCON 2023, 7<sup>th</sup> – 9<sup>th</sup> July 2023, Chennai
3. ASPICON 2023, AIIMS Jodhpur, 29<sup>th</sup> September to 1st October 2023.
4. Pro Implant Workshop on “Management of Prosthetic Joint Infection” 2023 Berlin, Germany, 5<sup>th</sup>-7<sup>th</sup> Oct 2023
5. Haematology Update 2024, AIIMS Jodhpur, 10<sup>th</sup> -11<sup>th</sup> Feb 2024.

**Name of Faculty: Dr Maya Gopalakrishnan**

**Designation: Associate Professor**

#### **Papers Presented**

1. Gopalakrishnan M, Kumar A, Sukhadiya P, Tanwar D, Elhence P, Garg MK. Thrombosis, and organ dysfunction in snakebite envenoming: time to redefine venom induced consumption coagulopathy? - Oral presentation- ASTMH 2023, Oct 2023, Chicago USA
2. Gopalakrishnan M, Kumar A, Saurabh S, Garg MK. "Why are some patients neglected? "A visual learning tool to explore "neglect" in Neglected Tropical Diseases: A mixed-methods study from Jodhpur. ECTMIH 2023, 20<sup>th</sup> -23<sup>rd</sup> November 2023, Netherland

#### **Research Projects:**

##### **Ongoing:**

##### **As Principal Investigator:**

1. Clinical effectiveness and patient related outcomes of "Treat to target" strategy in patients of Rheumatoid arthritis patients at AIIMS Jodhpur: A prospective interventional study. Intramural funded project
2. "Exploring empathy, advocacy, and neglect in the context of neglected tropical diseases: A mixed methods study from India." Extramural Funded project
3. Clinical profile and outcomes of Ankylosing Spondylosis: Prospective study
4. Snakebite risk mapping in Rajasthan, India: an integrated approach. Extramural Funded
5. Clinical profile and outcomes of Snakebite envenoming: A single centre study
6. Comparison of performance of four remission criteria and their relationship to patient reported outcomes in rheumatoid arthritis.
7. Evaluation of coagulopathy and outcomes in patients with snakebite envenoming: A prospective hospital-based study
8. Validation of Hindi Version of Jefferson Scale of Patient's Perceptions of Physician Empathy (Hi-JSPPE) and comparison with physician empathy to explore it as a teaching-learning method in graduate training: A hospital based longitudinal study
9. Cardiovascular Manifestations and Electrocardiogram Changes in Snakebite Envenomation: A Cross-Sectional Study- SIRI Project

##### **As Co-Investigator:**

##### **Ongoing**

1. ICMR Network of Pulmonary Fibrosis.
2. Lutetium-177 hydroxyapatite radiosynoviorthesis in chronic inflammatory arthritis and refractory arthropathies of the knee joint.

##### **Completed**

1. "Prevalence and Predictors of Diabetes Distress among adolescents and adults with Type 1 Diabetes mellitus
2. Cost of illness and quality of life in rheumatoid arthritis patients in a tertiary care facility in Jodhpur

**Scientific Awards/Patents:**

1. Faculty mentor and Co-PI for the proposal "Authentic Patient-led Participatory Learning Experience (APPLE): An Innovative Approach for Building Clinical Empathy for Neglected Tropical Diseases in healthcare students" which won the Education-innovation award 2023, by Association for study of Medical Education (ASME), UK (March 2023).
2. Awarded the certificate for Essential Skills in Medical Education Assessment (ESMEA) short (12 weeks) course after being successful in the end of course assessment and project submission – Nov 2023

**Examinership:**

1. Internal Examiner for Medicine Final MBBS examination at AIIMS, Jodhpur, Dec 2022
2. Internal Examiner for MD Medicine Final professional examinations in June and Dec 2022.

**Membership/Post in Journal or Society or Association**

1. Associate Editor; Transactions of the Royal Society of Tropical Medicine and Hygiene.
2. Selected to serve as American Society of Tropical Medicine and Hygiene (ASTMH)- Scientific Program Committee in Clinical Tropical Medicine subcommittee for 3 years.
3. Steering Advisory Committee for "Core outcome set for research on snakebite management in South Asia" for evolving evidence-based core outcome sets along with experts from Sri Lanka, Bangladesh and Australia and the COMET initiative for clinical trials in snakebite envenoming in South Asia.
4. Member; Royal Society of Tropical Medicine and Hygiene (RSTMH)
5. Member; American Society of Tropical Medicine and Hygiene (ASTMH)
6. Member; Association for Medical Education in Europe (AMEE)
7. Member; Association for the Study of Medical Education (ASME)
8. Steering Committee member; Snakebite Research Network (SRBN), India

**National/ International Conferences attended**

1. IDCON 2023, AIIMS Jodhpur, 6<sup>th</sup> May 2023

**Any other Information**

1. Served as external evaluator for JK Dutta Award (best research in infectious diseases at post graduate level), JIPMER Puducherry
2. Served on abstract selection committee, for Annual Scholarship meeting of Association for study of Medical Education (ASME), UK-Feb 2024.

**Name of Faculty: Dr. Bharat Kumar****Designation: Associate Professor****Conference presentation**

1. Brucella cervical spondylodiscitis misdiagnosed as tuberculosis. Onsite poster presented in ECCMID 2023, 33<sup>rd</sup> European Congress of Clinical Microbiology & Infectious Diseases, 14<sup>th</sup> -18<sup>th</sup> April 2023, Copenhagen, Denmark .

2. Poster presented on “Lemierre’s Syndrome Caused by *Streptococcus pneumoniae* in a Patient with Carbimazole-Induced Severe Neutropenia”. CIDSCON 2023, 7<sup>th</sup> -10<sup>th</sup> July 2023, Chennai.

### **Symposium Speaker**

1. Delivered lectures on “Approach to common symptoms in elderly”; “Endocrinology and Nutrition in elderly” and “CNS Disorders” for the training of Medical Officers in Comprehensive Geriatric Care under NPHCE .
2. Delivered lecture on “Endocrine dysfunction in COVID-19 in elderly” at 20th Annual Conference of Indian Academy of Geriatrics, AIIMS New Delhi, 28<sup>th</sup> -30<sup>th</sup> Sept 2023, New Delhi.
3. Delivered lecture on “Climate change and Emerging diseases” at G20-CSAR event on “ONE HEALTH- for the well-being of all”, 20<sup>th</sup> Aug. 2023, IIT Jodhpur.

### **Resource Faculty:**

1. Panellist for “ONE HEALTH- for the well-being of all”. G20-CSAR event, IIT Jodhpur, 20<sup>th</sup> August 2023, Jodhpur.

### **Ongoing**

#### **As Co-investigator**

1. Lipid-lowering efficacy of statins and its safety profile in type 2 diabetes mellitus patients
2. Clinical profile causing morbidity and mortality in geriatric population in a tertiary care centre in western Rajasthan
3. Serum Sialic Acid Level as A Biological Marker of Diabetic Nephropathy in Type 2 Diabetes Mellitus”
4. Prevalence of Celiac disease in patients of Irritable Bowel Syndrome in Rajasthan
5. ICMR NCDIR project on e-Mor software to strengthen MCCD recording.

### **Membership/Post in Journal or Society or Association**

1. Member; Association of Physicians of India (API)
2. Member; Indian Academy of Geriatrics (IAG)
3. Member; American College of Physicians (ACP)
4. Member; European Society of Hypertension (ESH)

### **National/ International Conferences attended:**

1. 20th Annual Conference of Indian Academy of Geriatrics, 28<sup>th</sup> -29<sup>th</sup> Sept. 2023, AIIMS New Delhi. (GERICON 2023)
2. G20-CSAR event on “ONE HEALTH- for the well-being of all”, 20<sup>th</sup> Aug. 2023, IIT Jodhpur.
3. 38th Annual Conference of the Indian Rheumatology Association from 23<sup>rd</sup> - 26<sup>th</sup> November 2023, Hyderabad. (IRACON 2023)
4. Joint Annual Meeting of International Society for Heart Research (Indian Section) ISHR 2024, Feb. 2024, AIIMS Jodhpur
5. 6th Haematology Update, AIIMS Jodhpur, 10<sup>th</sup> -11<sup>th</sup> Feb 2024.
6. IDCON 2023, AIIMS Jodhpur, 6<sup>th</sup> May 2023.

### **Scientific Awards/ Patents**

1. "Observership" (short-term) in Geriatric Medicine at AIIMS Delhi for a duration of 3 weeks in April 2023.

#### **Examinership**

1. External examiner for MBBS, Dr. S N Medical College Jodhpur, 3<sup>rd</sup> – 7<sup>th</sup> March 2024.

**Name of Faculty: - Dr. Naresh Kumar Midha**

**Designation: Associate Professor**

#### **Books/Chapters**

1. "Hypertension and Insulin resistance: What is new", chapter published in Medicine Update 2024.

#### **Symposium Speaker**

1. Delivered a talk on "Enteric fever & non-typhoidal salmonellosis". IDCON 2023, AIIMS Jodhpur, 6<sup>th</sup> May 2023, Jodhpur.

#### **Resource Faculty**

1. Faculty for Workshop on Antifungal Stewardship in ASPICON 2023, AIIMS Jodhpur, 29<sup>th</sup> September – 1<sup>st</sup> October 2023, Jodhpur.
2. Chaired a session in TROPOCON 2023, 26<sup>th</sup> -29<sup>th</sup> October 2023, AIIMS Jodhpur.
3. Moderator in workshop Clinical Hematology in 6th Haematology Update held at AIIMS Jodhpur, 16<sup>th</sup> Jan 2024, Jodhpur.

#### **Examinership**

1. MD Medicine Dissertation evaluator- for AIIMS Rishikesh

#### **Research Project**

##### **Ongoing:**

##### **As Principal Investigator**

1. Application and clinical impact of the rapid diagnostic test for carbapenemase detection in carbapenem-resistant Enterobacteriaceae bloodstream infections. Intramural Funded
2. Neurological complications in dengue fever – a retrospective study.
3. Clinico-etiological spectrum of thrombocytopenia in tertiary care centre of western Rajasthan.
4. Role of urinary podocin levels in early diagnosis of renal injury in diabetic nephropathy.
5. Clinico-microbiological spectrum of hospitalized patients with lower respiratory tract infections: A Single Centre Prospective Analysis.

##### **As Co-Investigator**

1. Prospective observational study of ambulatory blood pressure monitoring in resident doctors and its correlation with serum melatonin, cortisol, and HsCRP levels.
2. Multidisciplinary approach of diabetic foot in a special clinic.
3. ICMR national stroke registry program.



4. Study of Clinical and Microbiological Profile and Role of Urinary Pneumococcal Antigen in Community-acquired Pneumonia.
5. Role of urinary-lipoarabinomannan (LAM) assay in rapid detection of tuberculosis in hospitalized patients with HIV Infection.
6. Evaluation of risk factors, diagnostic role of galactomannan and outcomes of invasive aspergillosis in non-neutropenic patients– a prospective study.

#### **Examinership:**

1. External Examiner for Third professional MBBS Medicine practical examination at JLN Medical College, Ajmer, 15<sup>th</sup> Feb-17<sup>th</sup> Feb 2024
2. External Examiner for Third professional MBBS Medicine practical examination at RML IMS Lucknow, 6<sup>th</sup> Mar-9<sup>th</sup> Mar 2024.
- 3.

#### **Membership/Post in Journal or Society or Association**

1. Member; European Society of Clinical Microbiology and Infectious Disease (ESCMID)
2. Member; Infectious Disease Society of America (IDSA)
3. Member; Clinical Cardio Diabetic Society of India (CCDSI)
4. Member; European Society of Medical Oncology (ESMO)

#### **National/ International Conferences attended:**

1. ECCMID 2023 Copenhagen, Denmark, 14<sup>th</sup> -18<sup>th</sup> April 2023
2. IDCON 2023, AIIMS Jodhpur, 6<sup>th</sup> May 2023
3. CIDSCON 2023, Chennai, 7<sup>th</sup> -10<sup>th</sup> July 2023
4. ASPICON 2023, AIIMS Jodhpur, 29<sup>th</sup> Sep-1<sup>st</sup> Oct 2023
5. TROPACON 2023, AIIMS, Jodhpur, 26<sup>th</sup> -29<sup>th</sup> October 2023
6. 6th Haematology Update, AIIMS Jodhpur, 16<sup>th</sup> Jan 2024

#### **Scientific Award:**

1. Received Förderverein grant for ECCMID 2023 Copenhagen Denmark, April 2023.
2. Received funded 5 days observership on Epidemic Intelligence & pandemic preparedness at European Centre of Disease Control (ECDC) Stockholm Sweden, 16<sup>th</sup> Oct-20<sup>th</sup> Oct 2023. (Only 20 candidates were selected worldwide, only one from India).

**Name of Faculty: Dr Deepak Kumar**

**Designation: Associate Professor**

#### **Symposium Speaker:**

1. Speaker “Antifungals in ICU settings” at Medi Fest 2024, AIIMS Bhopal.
2. Speaker “ID in Haematology” Haematology Update 2024, AIIMS Jodhpur.
3. Speaker “PK-PD of antimicrobials for Clinicians” MICROCON KCGMC Karnal 2023.
4. Speaker in “Converting Antibiotic Susceptibility Reports to Effective Prescriptions” AIIMS Jodhpur - ICMR Hands-on Workshop 2023.

5. Speaker in “Clinical management of parasitic infections” TROPACON 2023 AIIMS Jodhpur
6. Speaker “Management of Invasive Aspergillosis” ASPICON 2023
7. Speaker “AMSP in clinical practice” ASPICON 2023
8. Speaker “How to manage a case of UTI in my Clinic” Knowledge Forum 2023
9. Speaker in Workshop on “Training in Good Clinical Practices” AIIMS Jodhpur 2023
10. Speaker “Do’s and Don’t in Common Infections” AIMSCON 2023, Bettiah, Bihar

#### **Papers Presented:**

1. Utility of Urinary Lipoarabinomannan (LAM) for Diagnosis of Tuberculosis in HIV-infected Hospitalized Patients – A Prospective Observational Study IDWEEK 2023.
2. Unravelling the Complexity of *Pseudomonas aeruginosa* Endocarditis: Insights from a case Series, CIDSCON 2023.

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

1. Implementation of AMSP in various tertiary care centers in India. Extra mural funded.
2. Comparative study of Intensified short course regimen Vs standard regimen in reducing mortality and disability in adults with TB Meningitis (TBM): an open label randomized controlled trial. Extramural Funded
3. A multicentric point prevalence survey of antimicrobial prescription, AMR, and HAI in tertiary care hospitals in India. Extra Mural
4. Impact of Infectious Diseases consultation of MRSA Bacteremia.
5. Impact of Infectious Diseases consultation of Enterococcal Bacteremia.
6. Clinical profile and Outcomes of CNS TB infections – Prospective Observational study.
7. Clinical Spectrum, Resistance Mechanism and Outcomes of MDR and DTR *Pseudomonas aeruginosa* – A Prospective Observational Study. Extramural
8. Clinico-microbiological profile of Urinary Tract Infection and detection of beta-lactamases by multiplex PCR.

##### **As Co-Investigator**

1. Utility of serum procalcitonin in bloodstream infection and its correlation with different microorganisms and focus of infection.
2. One Health consortium. Extramural
3. Incidences of ATT-induced Hepatitis in the treatment of tuberculosis.
4. Early detection of Pulmonary Tuberculosis by upfront sputum CBNAAT in newly diagnosed asymptomatic PLHIV.
5. Expansion of antimicrobial stewardship (AMSP) and infection control program (ICP) of ICMR in secondary care hospitals. Extramural
6. Prospective study of etiology and clinical profile of neurological manifestations in PLHIV at a tertiary care centre of Western Rajasthan.
7. The clinical utility of rapid identification of carbapenem-resistant Enterobacteriaceae bloodstream infections by lateral flow assay in critically ill patients.
8. Clinical utility of rapid molecular identification of etiology in CNS infection.

**Examinership**

1. External examiner for MBBS, SN Medical College, Jodhpur.
2. External examiner for MBBS, GMC Pali.

**Membership/Post in Journal or Society or Association**

1. Member; Infectious Disease Society of America.
2. Member; European Society of Clinical Microbiology and Infectious Disease

**National/ International Conferences attended:**

1. European Congress of Clinical Microbiology and Infectious Diseases – at Copenhagen, Denmark, 15<sup>th</sup> – 18<sup>th</sup> April 2023 (Onsite).
2. MICROCON KCGMC Karnal, 28<sup>th</sup> – 29<sup>th</sup> April 2023.
3. CIDS Jodhpur chapter and AIIMS Jodhpur, IDCON 2023, 6<sup>th</sup> May 2023
4. ASPICON 2023 at AIIMS Jodhpur, 30<sup>th</sup> September – 1<sup>st</sup> October 2023.
5. IDWEKK 2023 Washington 11<sup>th</sup> – 15<sup>th</sup> October 2023 (Online).
6. ID CONCLAVE 2023, 27<sup>th</sup> – 29<sup>th</sup> October 2023, PDH Mumbai.

**Scientific Awards/ patents:**

1. Awarded the “Fellow of the Infectious Diseases Society of America (FIDSA)”.
2. Awarded the Forderverein Grant for ECCMID 2024
3. Awarded the “Fellow of Indian College of Physicians (FICP)”.
4. Awarded an outreach Grant from ESCMID to attend the ECCMID 2023 in Copenhagen, Denmark.

**Name of Faculty: Dr Satyendra Khichar****Designation: Associate Professor****Resource Faculty**

1. Served as resource person for the workshop on “SR Primer workshop” a faculty development initiative under the Department of Medical Education and Technology, AIIMS Jodhpur, March 2024, Jodhpur
2. Served as a resource person for the workshop on “Hematology update” at AIIMS Jodhpur, February 2024, Jodhpur
3. Served as resource person for a workshop in CIDS Jodhpur chapter and AIIMS Jodhpur, IDCON 2023, May 2023, Jodhpur
4. Served as resource person for ASPICON 2023 at AIIMS Jodhpur, October 2023, Jodhpur

**Paper presentation**

1. Shah J, Kumar A, Gautam A, Khichar S, Saurabh S, Garg MK, Gopalakrishnan M. The perspectives and preferences of healthcare workers in India about latent tuberculosis infection and tuberculosis preventive therapy: an internet-based survey. 2023 ICOH Scientific Committee on Occupational Health for Health Workers-Oct 2023- New York academy of Medicine. NY. USA.

2. Kumar A, Khichar S, Saurabh S, Garg MK, Gopalakrishnan M. Residents' experiences and perspectives in empathy and neglect in the context of Neglected Tropical Diseases. ASME Annual Scholarship Meeting (ASM), July 2023
3. Sivaprasad R, Gopalakrishnan M, Khichar S, Shukla R, Shukla K, M. K. Garg. Effect of rheumatoid arthritis on bone mineral density and its relationship with inflammatory milieu in patients with rheumatoid arthritis. Abstract selected for publication only at European Alliance of Associations for Rheumatology (EULAR) 2023, June 2023, Milan, Italy.

## **Research Project**

### **Ongoing**

#### **As Principal Investigator:**

1. Clinico-etiological profile of patients with pyrexia of unknown origin (PUO) - A hospital-based observational study-MD Dissertation
2. An observational analytical study on serum intact parathyroid hormone (iPTH) level as a biomarker for prediction of severity of heart failure.
3. Serum Prolactin level as a biomarker of severity of Chronic Liver Disease

#### **As Co-Investigator:**

1. A Prospective Snakebite risk mapping in Rajasthan, India: an integrated approach. Extramural Funded- data collection completed
2. Clinical profile and outcomes of Snakebite envenoming: A single centre study
3. Exploring empathy, advocacy, and neglect in the context of neglected tropical diseases: A mixed methods study from India. Extramural Funded
4. Evaluation of coagulopathy and outcomes in patients with snakebite envenoming: A prospective hospital-based study
5. Validation of Hindi Version of Jefferson Scale of Patient's Perceptions of Physician Empathy (Hi-JSPPE) and comparison with physician empathy to explore it as a teaching-learning method in graduate training: A hospital based longitudinal study
6. Assessment of Methotrexate intolerance and Glucocorticoid Toxicity index in patients with rheumatoid arthritis- A prospective observational study-MD Dissertation

#### **National/ International Conferences attended:**

1. IDCON 2023, AIIMS Jodhpur, 6<sup>th</sup> May 2023
2. ASPICON 2023, AIIMS Jodhpur, 29<sup>th</sup> Sep-1<sup>st</sup> Oct 2023
3. TROPACON 2023, AIIMS, Jodhpur, 26<sup>th</sup> -29<sup>th</sup> October 2023
4. 6th Haematology Update, AIIMS Jodhpur, 16<sup>th</sup> Jan 2024

#### **Examinership:**

1. External Examiner for Medicine Final MBBS examination at SPMC, Bikaner, Feb 2023.

**Name of Faculty: - Dr. Durga Shankar Meena**

**Designation: Assistant Professor**

**Symposium Speaker:**

1. "Top Ten Papers in Infectious Diseases (2022-2023)", ASPICON 2023
2. "Navigating the Challenges in Infective Endocarditis Management", IDCON 2023, AIIMS Jodhpur
3. "Newer Antiparasitic Drugs", TROPACON 2023, AIIMS Jodhpur
4. "Invasive Candidiasis", ASPICON 2023

**Papers Presented**

1. A Changing Landscape: Trends in Infective Endocarditis in Western India - A Single Centre Retrospective Analysis. ID Week, 11<sup>th</sup> - 15<sup>th</sup> October 2023, Boston, USA
2. Utility of Urinary Lipoarabinomannan (LAM) for Diagnosis of Tuberculosis in HIV-infected Hospitalized Patients – A Prospective Observational Study. ID Week, 11<sup>th</sup> - 15<sup>th</sup> October 2023, Boston USA
3. Cutaneous Candidiasis as an initial manifestation of disseminated disease, 6<sup>th</sup> Haematology Update, 11<sup>th</sup> February 2023.
4. Dealing with an old foe –Assessment of Knowledge, Attitude, and Practices: A survey on management of Staphylococcus aureus bacteraemia among Indian Physicians, ID Week, , 11<sup>th</sup> - 15<sup>th</sup> October 2023, Boston, USA

**Research Project:**

**Ongoing:**

**Principle Investigator**

1. The clinical utility of serum procalcitonin in prediction of multidrug resistance blood stream infections
2. Prevalence of Staphylococcus aureus Blood Stream Infection in India – A Observational study from a Tertiary Care Centre in Western India
3. A Comparison of the Performance of different Sepsis Scores in Bacteremia and Non-Bacterial Sepsis: A Prospective Observational Study

**As Co-Investigator**

1. An International Multicenter, Randomized, Double-Blind, Placebo-Controlled Trial of the Safety and Efficacy of Anti-Coronavirus Hyperimmune Intravenous Immunoglobulin for the Treatment of Adult Outpatients in Early Stages of COVID-19. Extra Mural
2. Clinico-microbiological profile of pneumonia and role of urinary streptococcal antigen in diagnosis of pneumococcal pneumonia.
3. Clinico-microbiological profile of Urinary Tract Infection and detection of beta-lactamases by multiplex PCR
4. Evaluation of risk factors, diagnostic role of galactomannan and outcomes of invasive aspergillosis in non-neutropenic patients– a prospective study.
5. Implementation of AMSP in various tertiary care center in India. Extra Mural
6. Variation in innate immune activation and cardiovascular disease risk as drivers of COVID-19 outcome in South Asians in UK and India drivers of COVID-19 outcome in South Asians in UK and India. Extra Mural

7. A study of clinico-epidemiological profile and factors affecting the return of spontaneous circulation and outcome in patient presenting to emergency room with non-traumatic cardiac arrest
8. A comparison of the performance of different sepsis scores in Bacteremic and non-bacteremic sepsis: A prospective observational study
9. The clinical utility of rapid identification of carbapenem resistant Enterobacteriaceae bloodstream infections by lateral flow assay in critically ill patients
10. Utility of Xpert mtb/rif ultra in rapid diagnosis of extra-pulmonary tuberculosis and rifampin resistance – a diagnostic study.

#### **Membership/Post in Journal or Society or Association**

1. Foundation Member; Society of Antimicrobial Stewardship Practices in India (SASPI)
2. Member; The American Society of Tropical Medicine and Hygiene.
3. Assistant Director; Investment Committee, Society of Antimicrobial Stewardship Practices in India (SASPI)
4. Editorial Board Member; BMC Infectious Diseases

#### **National/ International Conferences attended:**

1. ECCMID 2023, Copenhagen, Denmark, April 2023
2. IDCON 2023, AIIMS JODHPUR
3. 6th Hematology Update, 2024 AIIMS Jodhpur
4. ASPICON 2023, AIIMS Jodhpur, 29<sup>th</sup> September - 1<sup>st</sup> October 2023
5. TROPACON 2023, AIIMS Jodhpur, 26<sup>th</sup> - 29<sup>th</sup> October 2023
6. ISHR 2024, AIIMS Jodhpur, 16<sup>th</sup> - 18<sup>th</sup> February 2024
7. ID WEEK, Boston, USA, 11<sup>th</sup> - 15<sup>th</sup> October 2023 (Virtual)

## Department of General Surgery

S.No.	Name	Designation
1	Dr. Naveen Sharma	Professor & Head
2	Dr. Ramkaran Chaudhary	Professor
3	Dr. Mahaveer Singh Rodha	Professor (HoD Trauma & Emergency)
4	Dr. Mahendra Lodha	Additional Professor
5	Dr. Satya Prakash Meena	Associate Professor
6	Dr. Mayank Badkur	Associate Professor
7	Dr. Niladri Banerjee	Assistant Professor
8	Dr. Indra Singh Choudhary	Assistant Professor

### About the Department

The Department of General Surgery is running to its fullest capacity with 98% bed occupancy. The clinical workload has also observed an increase of 25%. We are witnessing an upsurge and influx of large number of patient attendance in our elective and emergency admissions. Faculty members of the Department have expertise in robotics, advanced laparoscopy and trauma care. Elective operation theatres are operational to their full capacity. The emergency operation theatre has witnessed large number of life and limb saving surgeries and is usually running busy. The institute has formulated a very student centric teaching method. The departmental faculty has tried to provide more interactive and practical knowledge along with lectures for Undergraduate surgery teaching, one of our core focus areas. Daily clinical teaching in OPD and in wards (Bed side clinical teaching) is being conducted regularly with covid appropriate behavior. Students and interns are also being exposed to many basic surgical skills. The department presently has a post graduation course running with a total of 24 students enrolled at present. Along with this the department also cater to the training of two Thoracic Surgery fellows and two MCh Trauma Surgery candidates. This year, the Department also conducted post graduate and post doctoral teaching sessions like Seminars, symposium, Journal club and case presentations regularly and these sessions also involved senior residents working in our department. Post graduate examinations were also conducted and two batches of postgraduate students passed the examination with flying colors. Intradepartmental Quality Improvement Meetings and surgical audit were held to critically analyze the patient management to bring out strategies and quality care. This year, our department started number of research projects covering great spectrum of patients and disease elements. The department is a board-certified exam center for DNB General Surgery examination and an approved site for ATLS/ATCN courses. This year, the department also conducted four ATLS Provider Courses and two ATCN Provider Course. Along with this the department also conducted a CME on Vascular Surgery this year with a hands on workshop.

### Compiled list of Publications of the department:

#### PubMed Indexed:

1. Pathak AA, Agrawal V, Sharma N, Kumar K, Bagla C, Fouzdar A. Prediction of mortality in secondary peritonitis: a prospective study comparing p-POSSUM, Mannheim Peritonitis Index, and Jabalpur Peritonitis Index. *Perioper Med (Lond)*. 2023 Dec 8;12(1):65. doi: 10.1186/s13741-023-00355-7. PMID: 38066635; PMCID: PMC10709930.
2. Anthony AA, Dutta R, Sarang B, David S, O'Reilly G, Raykar NP, Khajanchi M, Attergrim J, Soni KD, Sharma N, Mohan M, Gadgil A, Roy N, Gerdin Wärnberg M. Profile and triage validity of trauma patients triaged green: a prospective cohort study from a secondary care hospital in India. *BMJ Open*. 2023 May 8;13(5):e065036.
3. Chaudhary R, Tak V, Dutt A, Rodha MS, Meena SP, Badkur M, Kobade SP, Lodha M, Sharma N, Nag VL, Puranik A. Current Trends in the Management of Port-Site Infections: A Case Series and a Review of Published Work. *Cureus*. 2023 Jun 25;15(6).
4. Roy D, Purohit P, Khokhar M, Modi A, Shukla RKG, Chaudhary R, Sankanagoudar S, Sharma P. Analyzing the Association of Visceral Adipose Tissue Growth Differentiation Factor-15 and MicroRNA in Type 2 Diabetes Mellitus. *J Obes Metab Syndr*. 2023 Mar 30;32(1):64-76. doi: 10.7570/jomes22010. Epub 2023 Mar 15.
5. Rao M, Khade S, Chaudhary R, Singh P, Yadav G, Elhence P, Nalwa A, Sharma R, Goel AD. Comparison of GATA-3, Mammaglobin and GCDFP-15 Expression in Primary, Metastatic and Triple Negative Breast Carcinomas: An Indian Scenario. *Asian Pac J Cancer Prev*. 2023 Feb 1;24(2):509-515.
6. Banerjee N, Lodha M, Kompally P, Chawla S. Post-COVID-19 Intestinal and Mesenteric Mucormycosis. *Am Surg*. 2023;89(6):2770-2773.
7. Lodha M, Meena SP, Parihar YK, Badkur M, Puranik AK, Kompally PV. A newer method of seroma reduction by fenestration of pseudo-sac during laparoscopic repair of direct inguinal hernia: A randomised, controlled pilot study. *Journal of Minimal Access Surgery* 19(1):p 69-73, Jan–Mar 2023.
8. Baskaran S, Lodha M K, Ravi R, Elhence P. Spontaneous rupture of solid pseudopapillary epithelial neoplasm of pancreas with intraperitoneal haemorrhage. *BMJ Case Reports*; London Vol. 16, Iss. 12, (Dec 2023)
9. Jha S, Sureka B, Khatri J, Lodha M. Intriguing case of fistula-in-ano presenting as corpora spongiosum abscess. *Case Rep Clin Radiol* 2023;1:25-7.
10. Rodrigues M, Varthya S, Sunderasan V, et al. Efficacy, Safety, and Cost-Effectiveness of Healthium Theruptor Versus 3M Tegaderm Versus Plain Gauze Dressing for Wound Dressings Used in Abdominal and Joint Surgeries: A Prospective, Multicentric, Randomized Study. *Cureus* 16(2): e53947.
11. Garg R, Walecha A, Goyal V, et al. (January 29, 2024) A 12-Month Randomized Controlled Trial to Assess the Impact of Telemedicine on Patient Experience and Care Continuity. *Cureus* 16(1): e53201.
12. Sharma R, Khera S, Yadav T, Badkur M. Pleomorphic adenoma: Indeed, a versatile tumor. *Journal of Cancer Research and Therapeutics* (.), May 03, 2023.
13. Rani S, Banerjee N, Aggarwal D, Elhence PA. Epithelial myoepithelial carcinoma of the parotid gland with high-grade transformation. *BMJ Case Rep*. 2024;17(1):e259364. Published 2024 Jan 23. doi:10.1136/bcr-2023-259364
14. Dukkupati S, Puranik A K, Meena S, et al. (May 06, 2024) An Analysis of the Impact of Intra-abdominal Pressure on Surgical Outcomes in Cases of Intestinal Obstruction: A Prospective Observational Study. *Cureus* 16(5): e59736.

#### Non-Pubmed Indexed:



1. Bharti, J.N., Sharma, N., Meena, S.P. et al. Nodular Hidradenoma Breast—a Rare Case Report with Review of Literature. SN Compr. Clin. Med. 2023; 5: 131.

**Others:**

1. Workshops/ Conferences Organized

- a. ATLS Provider course, ATLS India, AIIMS Jodhpur, February 2024 , November 2023, May 2023, August 2023
- b. ATCN Provider Course, ATCN India, AIIMS Jodhpur, August 2023, November 2023
- c. CME & Vascular Surgery Workshop, AIIMS Jodhpur, September 2023

2. Fellowship program started on Thoracic and Thoracoscopic Surgery fellowship

**Name of Faculty: Dr. Naveen Sharma**

**Designation: Professor & Head**

**Papers Presented:**

1. The 6<sup>th</sup> World Trauma Congress-2023. 9<sup>th</sup>- 12<sup>th</sup> August 2023, Keio Plaza Hotel, Tokyo, Japan

**Invited Lectures**

1. Endocrine Surgery, Annual Day & CME in The Department of Surgical Disciplines at AIIMS, New Delhi, 2<sup>nd</sup> - 5<sup>th</sup> September 2023, New Delhi

**Symposium Speaker**

ENDOLAP MAMC, Maulana Azad Medical College, 16<sup>th</sup>-18<sup>th</sup> February 2024, New Delhi  
5<sup>th</sup> Edition, LHMC Surgery PG Clinical update, Lady Hardinge Medical College, 1<sup>st</sup> - 4<sup>th</sup> February 2024, New Delhi

**Resource Faculty:**

1. Surgeon Led Refinement Training on 15<sup>th</sup> - 16<sup>th</sup> March 2024
2. "Operative Care Course on General Surgery Procedures", JPN Apex Trauma Centre, AIIMS, New Delhi, 28<sup>th</sup> September - 1<sup>st</sup> October 2023, New Delhi  
SCDH operative procedure for "Surgical Care District Hospitals", AIIMS, New Delhi from 28<sup>th</sup> September - 1<sup>st</sup> October 2023, New Delhi  
19<sup>th</sup> Healthcare Executive Management Development Program (HxMDP), AIIMS, Jammu and IIM Jammu in association with RFHHA, 18<sup>th</sup> -23<sup>rd</sup> September 2023, Jammu.

**Research Project:**

**Ongoing:**

**As Principal Investigator:**

1. Mapping Global Surgery in a prospective study

**As Co-Investigator**

1. An Experience of Hybrid veress Needle Technique to Create Pneumoperitoneum, AIIMS, Jodhpur

2. Effectiveness of multimodal analgesic regime vs standard care during laparoscopic cholecystectomy: a randomized controlled trial, AIIMS, Jodhpur
3. Changes in dehydroepiandrosterone and cortisol levels after major trauma: A Prospective observational study, AIIMS, Jodhpur
4. The AMBROSE Study : 30 Day Morbidity and Mortality of Cholecystectomy for Benign Gallbladder Disease: A TUGS Multinational Audit, AIIMS, Jodhpur
5. Feasibility of same day discharge in laparoscopic cholecystectomy and inguinal hernioplasty A prospective observation study
6. Primary closure with negative suction drain versus delayed primary closure techniques in emergency laparotomy: A randomized controlled trial.
7. Randomized Multi-centric, comparative, blinded , parallel group, prospective study to determine clinical efficacy and safety of thuruptor sterile barrier dressing of care now in comparison with bactigras of smith and Nephew and Allevyn of Smith Nephew on wound healing in patients with chronic infected wounds.
8. Feasibility of telemedicine follow up in general surgery patients at a tertiary care centre in India : A randomized control trial.

### **Examinership**

1. External examiner, M.B.B.S Professional Examination, AIIMS, Mangalagiri, Andhra Pradesh Onsite visit National Board of Examination at Delhi
2. External Expert Member, Selection Committee for appointment to the post of Assistant Professor in Department of General Surgery, UCMS, 27<sup>th</sup> February 2024
3. LHMC Surgery PG Clinical update, Lady Hardinge Medical College, Delhi, 1<sup>st</sup> to 4<sup>th</sup> February 2024.
4. Subject expert, OSCE related item writing workshop, National Board of Examination at Delhi.

### **Others:**

1. Course Director, ATLS India (total 4 courses taught at AIIMS Jodhpur), Jodhpur
2. Member: Competence based curriculum committee, AIIMS Jodhpur
3. Member: "Competent Authority" for Transplantation of Human Organs and Tissues at AIIMS Jodhpur
4. "Adjunct Faculty" in school of Public Health for contributing towards teaching, training and mentoring of post-graduate students in SPH, AIIMS, Jodhpur
5. Co-Convener, Quality Assurance Cell, AIIMS Jodhpur
6. Coordinator, Department of Medical Education Technology, AIIMS Jodhpur

**Name of Faculty: Dr. Ramkaran Chaudhary**

**Designation: Professor**

### **Papers Presented:**

1. "Robotic Thymectomy", "INDO UK SURGICON 2023", 09<sup>th</sup> -10<sup>th</sup> October 2023, Scotland, UK.

### **Symposium Speaker:**

1. "Energy sources in surgery", AMASI Skill course and FMAS Examination, 28<sup>th</sup> -30<sup>th</sup> July 2023, AIIMS, Bhubaneswar.

**Resource Faculty:**

1. Participated as Faculty in International Video-Assisted Thoracoscopic Surgery (VATS) conference and Meeting, 15<sup>th</sup> May – 26<sup>th</sup> May, 2023, Shanghai Pulmonary Hospital, Shanghai.
2. Participated as Faculty and speaker on “Thymic tumours”, 3<sup>rd</sup> Indian Cancer Congress, 2<sup>nd</sup> - 5<sup>th</sup> November 2023, Jio World Convention centre, Mumbai
3. Participated in National Level Training for management of Extrapulmonary TB, 26<sup>th</sup> – 08<sup>th</sup> November 2023, AIIMS, New Delhi
4. Participated as National Faculty at 5<sup>th</sup> Annual Conference of India Society of Thoracic Surgeons and Trust (ISTSCON 2023), 17<sup>th</sup> - 19<sup>th</sup> November 2023, Bangalore

**Research Project:****Ongoing:****As Principal Investigator**

1. Robotic Thymectomy for myasthenia gravis: A Prospective observational study.
2. Lung Hydatid disease : A Surgeons perspective and Experience.

**As Co-Investigator**

1. Role of newer ischemic biomarker in suspected intestinal ischemia.
2. Feasibility of telemedicine follow up in general surgery patients at a tertiary care center in India: A randomized control trial.
3. Changes in dehydroepiandrosterone and cortisol levels after major trauma: A Prospective observational study, AIIMS, Jodhpur
4. An Experience of Hybrid veress Needle Technique to Create Pneumoperitoneum, AIIMS, Jodhpur

**Examinership**

1. External Examiner, Fellowship in Minimal Access Surgery Exit Examination at AIIMS, Bhubaneswar, 06<sup>th</sup> -07<sup>th</sup> December 2023.
2. External Examiner, M.Ch in Minimal Access Surgery Examination at AIIMS, Delhi on 11<sup>th</sup> December 2023.
3. External Examiner, MBBS final Examination at AIIMS, Delhi.

**Others:**

1. Started “Thoracic Surgery Clinic” in Department of General Surgery at AIIMS, Jodhpur.
2. Contributed as Faculty during ATLS provider course organized in the institute.
3. Provost Boys Hostel

**Name of Faculty: Dr. Mahendra Lodha****Designation: Additional Professor****Papers presented:**

1. “AI will replace clinical examination skill”, ASICON-2023, 13<sup>th</sup> – 16<sup>th</sup> Dec, 2023, Vishakapatnam.
2. “e-TEP complications”, ASICON-2023, 13<sup>th</sup> – 16<sup>th</sup> Dec, 2023, Vishakapatnam.

3. "Awareness of the patient about obesity and its correlate in tertiary care center at AIIMS Jodhpur" BOMSS conference.

**Resource Faculty:**

1. Invited for a guest lecture on Trauma care, Karwad Ayurveda university hospital, Jodhpur
2. "Cadaveric workshop on Bariatric surgery", OSSICON-2024, Kochi

**Research Project:**

**Ongoing**

**As Principal Investigator**

1. Study of newer ischemia marker in patient of intestinal obstruction and mesenteric ischemia. Intramural project

**As Co-Investigator**

1. A comparison of the P-POSSUM and NELA mortality risk score for patients undergoing emergency laprotomy-a prospective observational study
2. Comparison of the peptic ulcer perforation(PULP),BOEY,ASA,POMPP and Jabalpur scores in predicting thirty day morbidity in patient with perforated peptic ulcer.

**Examinership**

1. External examiner for the BPT exam at SN Medical College, Jodhpur, SLNB college of Physiotherapy, Jodhpur
2. External Examiner for MBBS exam at AIIMS Bhatinda

**Others:**

1. Lead faculty for celebration of World Obesity Day, 04<sup>th</sup> March 2024, AIIMS Jodhpur. (various activities like public awareness talk, poster and slogan competition were organized)

**Name of Faculty: Dr. Satya Prakash Meena**

**Designation: Associate Professor**

**Papers Presented:**

1. E-poster: Quilting Sutures versus Conventional Closure Technique to Prevent Seroma Formation after Modified Radical Mastectomy: , 3<sup>rd</sup> Indian Cancer Congress 2023 (ICC), 2<sup>nd</sup> -5<sup>th</sup> Nov 2023, Jio World Convention Centre, Mumbai.
2. Oral paper presentation: Incisional negative pressure wound therapy v/s standard dressing in lower limb amputations: A randomized controlled trial, ASICON 2023, 13<sup>th</sup> -16<sup>th</sup> Dec 2023, Visakhapatnam.

**Sessions Chaired:**

1. " Laparoscopic eTEP"- WORLDICON 2024, 9th World congress on coloproctology, 7<sup>th</sup> -10<sup>th</sup> March 2024, The Leela hotel, Delhi
2. "Hernia surgery in the future" NZHSICON, 6<sup>th</sup> -7<sup>th</sup> Nov 2023, AIIMS Delhi, New Delhi

**Research Project: Ongoing****As Principal Investigator**

1. Fibrin glue application in pilonidal sinus: A prospective. Intra mural funded project
2. Effectiveness of Bupivacaine Infiltration in Extra-Peritoneal Space in Patients Undergoing TAPP for Inguinal Hernia: A Randomized Controlled Trial. Intra mural funded project
3. Primary closure with negative suction drain versus delayed primary closure techniques in emergency laparotomy: A randomized controlled trial
4. Postoperative Outcome of Patients after Scrotal Support Application Following Minimal Access Surgery for Inguinal Hernia: A Randomized Controlled Trial
5. An Experience of Hybrid Veress Needle Technique to Create Pneumoperitoneum during Laparoscopic Surgeries: A Retrospective Study.
6. To Analyze Single Stage Laparoscopic Cholecystectomy with Common Bile Duct Exploration in India in Terms of Stone Clearance And 30-Day Morbidity and Mortality.

**As Co-Investigator**

1. Feasibility of telemedicine follow-up in general surgery patients at a tertiary care center in India: A randomized controlled trial
2. Global cohort study: Hernias, pathways and planetary outcomes for inguinal hernia surgery(HIPPO)
3. Role of newer ischemic markers in suspected intestinal ischemia
4. Effectiveness of multimodal analgesic regime vs standard care during laparoscopic cholecystectomy: a randomized controlled trial
5. Global Evaluation of cholecystectomy Knowledge and outcome: An international prospective cohort study on cholecystectomy

**Examinership**

1. MBBS exam. S.N Medical College. Jodhpur. 5<sup>th</sup> -8<sup>th</sup> Feb 2024
2. MBBS exam. AIIMS Jodhpur. 15<sup>th</sup> Jan 2024
3. MBBS exam. AIIMS Jodhpur. 14<sup>th</sup> – 16<sup>th</sup> Dec 2023

**Membership/Post in Journal or Society or Association**

1. Member; Indian Hernia Society

**Name of Faculty: Dr. Mayank Badkur****Designation: Assistant Professor****Resource Faculty:**

1. Speaker on anal canal anatomy, CME & WORKSHOP on Lasers in Proctology, April 2023, Department of General Surgery, AIIMS Bhopal.
2. Speaker on creation of pneumoperitoneum, 13th National Conclave - Lap Unlimited 2023, 2<sup>nd</sup> -3<sup>rd</sup> September 2023
3. Chairperson for Open Mesh Repair, IHSCON 2023, 25<sup>th</sup> – 26<sup>th</sup> August 2023, Banaras Hindu University (BHU) , Varanasi

4. Chairperson during operative session in TEP, TAPP, e TEP, SELSI Zonal Conference in Minimally Invasive & Endoscopic Surgeries Conference, EZ SELSICON 2023, 14<sup>th</sup>-16<sup>th</sup> Sept, 2023, AIIMS Bhubaneswar, Odisha.

## Research Project

### Ongoing

#### As Principal Investigator:

1. Randomized, Multi-Centric, Comparative, Blinded, Parallel Group, Prospective Study, to Determine Clinical Efficacy and Safety of Theruptor Sterile Barrier Wound Dressing of CareNow in Comparison with Bactigras of Smith & Nephew and Allevyn of Smith & Nephew on Wound Healing in Patients with Chronic Infected Wounds. Extra mural Sponsored
2. Outcomes after Inguinal hernia surgery in India- a prospective multicenter IAGES collaborative study.

#### As Co-Investigator:

1. Feasibility of telemedicine follow up in general surgery patients at a tertiary care center in India: A randomized control trial.
2. Postoperative outcome of patients after Scrotal support application following minimal access surgery for inguinal hernia: A randomized controlled trial.
3. Role of newer ischemic biomarker in suspected intestinal ischemia.

#### Others:

1. Judge, Poster presentation, "IAGES Mid Term conference 2023", 25<sup>th</sup>-30<sup>th</sup> October, 2023, Bhopal. , Madhya Pradesh.
2. Chairperson, Session on Haemorrhoidal Disease in 2024 Current status of Haemorrhoidal Treatment, 8<sup>th</sup> March 2023, WORLDCON 2024 Delhi.
3. Attended workshop on Anal sphincter repair, WORLDCON 2024 Delhi.
4. Member of Suraksha Chakra Team.
5. Member of Anti Ragging Squad: AIIMS Jodhpur.
6. Member of Condemn committee for AIIMS Jodhpur.
7. Working as Assistant Dean Examination AIIMS Jodhpur.

## Name of Faculty: Niladri Banerjee

### Designation: Assistant Professor

#### Invited Lectures:

1. Faculty and speaker on the topic "Clamshell to keyhole- Surgical approaches and techniques in chest trauma" at the "ACTram 2023", CME organized by the Department of Trauma Surgery, October 2023, CMC Vellore, Tamil Nadu.
2. National faculty and speaker on the topic "Essential imaging in Trauma" at the "1<sup>st</sup> Annual Workshop on Basic Surgical Skills (WOBBS 2023), December 2023, Dr B R Ambedkar State Institute of Medical Sciences, Mohali, Punjab

#### Resource Faculty:

1. Faculty for the cadaveric training course on “Traumatic Rib Fixation”, October 2023, CMC Vellore, Tamil Nadu.
2. Resource person and Faculty in the Demo pilot of the “Operative care Course on General Surgery Procedures”, WHO Collaborating Centre for Emergency and Trauma Care- South East Asia Region, September 2023, JPN Apex Trauma Centre, AIIMS New Delhi
3. Conducted a CME for surgical residents on “Tips and techniques in vascular surgery”, September 2023, Skill Lab and Simulation Centre, AIIMS Jodhpur, Jodhpur

**Research Project:****Ongoing:****As Principal Investigator:**

1. Feasibility of telemedicine follow up in general surgery patients at a tertiary care center in India: A randomized control trial'
2. 'The influence of prehospital care parameters on the outcome of trauma patients admitted to a tertiary care hospital in north western India' (SIRI Project)

**As Co-Investigator:**

1. Burden of minor injuries needing intervention in the Emergency Department of a tertiary care hospital in western India' (SIRI Project)
2. 'Postoperative outcome of patients after scrotal support application following minimal access surgery for inguinal hernia: A randomized controlled trial'
3. 'Changes in Dehydroepiandrosterone and Cortisol Levels after Major Trauma : A Prospective Observational Study'

**Examinership**

1. External Examiner, Theory paper for the M.Ch. Trauma Surgery and Critical Care exit examination, AIIMS, Rishikesh, Uttarakhand, November-December 2023

**Name of Faculty: Indra Singh Choudhary****Designation: Assistant Professor****Resource faculty:**

1. Faculty and speaker “Male Breast Cancer” in 3<sup>rd</sup> Indian Cancer Congress, 2<sup>nd</sup> - 5<sup>th</sup> November 2023, Jio world convection centre, Mumbai
2. Screening of NCD, 5<sup>th</sup> January 2024, Khuri, Jaisalmer
3. Appointed as adjunct faculty in Department of Medical Education Technology, Jan-2024, AIIMS, Jodhpur.
4. 2<sup>nd</sup> Primer Workshop on Teaching Learning Methods for Senior residents, 19<sup>th</sup> March 2024, AIIMS, Jodhpur.

**Research Project:****Ongoing:****As Principal Investigator:**

1. "Granulomatous mastitis : A prospective observational study"

**As Co-Investigator**

1. Feasibility and Outcomes of Uniportal VATS in stage II Empyema Thoracis.
2. Robotic Thymectomy for myasthenia gravis: A Prospective observational study.
3. Lung Hydatid disease : A Surgeons perspective and Experience.
4. Injuries to the Thorax caused by Bull Gore: A Case Series".



## Department of Gastroenterology

S.No.	Name	Designation
1	Dr. Ashish Agarwal	Assistant Professor
2	Dr. Chhagan Lal Birda	Assistant Professor

### About the Department (Write up of maximum of 500 words)

#### About the Department

The Department of Gastroenterology was started in February 2021 to manage the complex gastrointestinal disorders in this part of India. We aim to make the department a major referral centre for gastrointestinal and hepato-pancreato-biliary disorders patients not only from proximate cities but also from nearby states. We are offering up-to-date facility for the comprehensive management of both benign and malignant Gastrointestinal & Hepato-pancreato-biliary disorders and providing comprehensive medical education and research. Quality and safety of high order is maintained in patient care. Our center is the only center providing facility of advanced endoscopy procedures in the region.

#### Out Patient Department

Our OPD is presently functional 3 days a week, in the A block, 1<sup>st</sup> floor of OPD Block (Room No.- 114-116) with an attendance of 450-500 patients per week. Our department policy is to admit and evaluate patients visiting OPD who may need evaluation and treatment for GI and HPB disorders. Patients are given a choice of either general or special ward. The comprehensive follow-up records are maintained for regular follow-up. Further, we are attending to all the patients referred to the Department of Gastroenterology from other departments and other government and private hospitals and PHCs and CHCs.

#### In Patient Department

Department of Gastroenterology currently has 11 beds on the 5<sup>th</sup> floor (6 male beds in 5A ward and 5 female beds in 5C ward) along with the provision of semiprivate and private ward beds, and sicker patients are admitted in AICU. The patient is thoroughly evaluated, and history & examination is prepared by the medicine resident as soon as the patient arrives. A printed discharge summary is handed over to all the patients. We are maintaining soft copies of all the data, including the discharge summary.

#### Endoscopic interventions

Department of Gastroenterology currently has a fully functional endoscopy unit providing diagnostic and therapeutic upper GI and colonoscopy. The Department also regularly performs therapeutic ERCP, EUS, EUS-guided FNAC, EUS-guided CPN, and other advanced therapeutic procedures. The Department is the first government institute in Rajasthan to perform POEM procedures for patients with achalasia cardia, and we have performed 90 cases of POEM till now. Further, our department is the only regional center providing advanced therapeutic endoscopic procedures. The Department also has a motility lab with provision of high-resolution esophageal and anorectal manometry, biofeedback therapy for pelvic floor dyssynergia, 24-hour impedance, and pH manometry.

### Research and academics

The gastroenterology department has also started DM in gastroenterology with the joining of the four residents. Further, the department also had two non-academic post DM/DNB residents who were trained in various endoscopic procedures over one year period and currently we have one non acad post DM resident working in the department. The department is actively involved in multiple basic and clinical research projects.

### Compiled list of Publications of the department (Please ensure articles are not repeated):

#### Papers

#### Pubmed Indexed:

**Agarwal A**, Mahapatra SJ, Sethia R, Agarwal S, Elhence A, Mohta S, Gunjan D, Garg PK. Universal prophylactic rectal nonsteroidal anti-inflammatory drugs with a policy of selective pancreatic duct stenting significantly reduce post-endoscopic retrograde cholangiopancreatography pancreatitis. *Indian J Gastroenterol*. 2023 Jun;42(3):370-378.

Mohta S, **Agarwal A**, Banyal V, Singh A, Bagchi S, Das P, Ahuja V, Makharia G. Falsely elevated anti-tissue transglutaminase antibodies in patients with immunoproliferative small intestinal diseases: A case series. *Indian J Gastroenterol*. 2023 May 11. doi: 10.1007/s12664-023-01365-5. Epub ahead of print. PMID: 37166700.

Ahmed A, Dixit K, Singh A, **Agarwal A**, Mehtab W, Prasad S, Rajput MS, Chauhan A, Agarwal A, Mehta S, Ahuja V, Shouche Y, Dhotre D, Makharia GK. Sieving out non-celiac gluten sensitivity amongst patients with irritable bowel syndrome. *Dig Liver Dis*. 2023 Nov 18:S1590-8658(23)01003-4. doi: 10.1016/j.dld.2023.10.014. Epub ahead of print. PMID: 37985252.

Mehtab W, **Agarwal A**, Chauhan A, Agarwal S, Singh A, Ahmad A, Bhola A, Singh N, Ahuja V, Malhotra A, Makharia G. Barriers at various levels of human ecosystem for maintaining adherence to gluten free diet in adult patients with celiac disease. *Eur J Clin Nutr*. 2024 Jan 12. doi: 10.1038/s41430-024-01399-8. Epub ahead of print. PMID: 38216646

Aggarwal N, **Agarwal A**, Alarouri H, Dwarakanathan V, Dang S, Ahuja V, Makharia GK. Patients with Celiac Disease Have High Prevalence of Fatty Liver and Metabolic Syndrome. *Dig Dis Sci*. 2024 Apr 25. doi: 10.1007/s10620-024-08426-5. Epub ahead of print. PMID: 38662156

Samanta J, Nabi Z, Facciorusso A, et al. EUS-guided coil and glue injection versus endoscopic glue injection for gastric varices: International multicentre propensity-matched analysis. *Liver Int*. 2023;43(8):1783-1792. doi:10.1111/liv.15630.

Jena A, **Birda CL**, Choudhury A, Sharma V. Safety and efficacy of personalized versus standard initial dosing of thiopurines: Systematic review and meta-analysis of randomized trials. *Expert Opin Drug Saf*. 2023;22(12):1253-1263. doi:10.1080/14740338.2023.2236554.

Manrai M, Singh AK, **Birda CL**, et al. Diabetes mellitus as a consequence of acute severe pancreatitis: Unraveling the mystery. *World J Diabetes*. 2023;14(8):1212-1225. doi:10.4239/wjd.v14.i8.1212

Rathore KS, Varshney P, Soni SC, et al. Open injury, robotic repair-moving ahead! Total robotic Roux-en-Y hepaticojejunostomy for post-open cholecystectomy Bismuth type 2 biliary stricture using indocyanine green dye. *J Minim Invasive Surg*. 2023;26(3):151-154. doi:10.7602/jmis.2023.26.3.151.

Kumar PS, **Birda CL**, Chand YS, Yadav T, Agarwal A. Melioidosis presenting as splenic abscess: A case report. *J Gastrointest Infect* 2023;00:1-4.

### Non-Pubmed Indexed

Goyal H, Sureka B, Mangaraj N, et al. Comparison between abdominal CT findings in intensive care unit (ICU) and non-ICU patients with Covid-19: experience from a tertiary care hospital. *African Health Sciences* 2023; 23: 64–74.

### Workshops/ Conferences Organized:

#### Workshop on third space endoscopy including hands on using animal models

on 22/09/2023-23/09/2023; The workshop comprised of live cases of POEM performed by our department faculty in the endoscopy suite along with hands on experience of the procedure on pig model. It was attended by at least 10 delegates from different centres across Rajasthan



**Workshop on Cholangioscopy and Electrohydraulic Lithotripsy on 21/03/24:** The workshop was attended by department faculty, residents and faculty from MDM Hospital. Live endoscopic cases were performed by guest faculty from New Delhi



**Eminent Visitors:** Dr. Rajesh Puri, Professor in the Department of Gastroenterology at Medanta multispeciality hospital, Gurugram, Haryana.

**Any other information:**

(Please provide a separate write-up of any conferences organized by the department along with 4 photographs)

**Name of Faculty:** Ashish Agarwal

**Designation:** Assistant Professor

**Papers Presented:**

Mayur Dholavan, Bharat Kumar, Mahendra Garg, Chhagan Lal Birda, Ashish Agarwal. Prevalence of celiac disease in patients with irritable bowel syndrome in western India. Indian J Gastroenterol. 2023 Dec;42(Suppl 2):125-263. doi: 10.1007/s12664-023-01471-4 (Presented at ISGCON 2023, 21-24 Dec 2023, University of Agricultural Sciences, GKV Campus, Benagluru)

Prasenjit Das, Sudha Battu, Alka Singh, Lalita Mehra, Muzaffar Ahmad, Ashish Agarwal, Ashish Chauhan, Anam Ahmad, Sreenivas Vishnubhatla, Siddhartha Datta Gupta, Vineet Ahuja, Govind K Makharia. Intestinal stem cell niche physiological changes in patients with treatment naïve celiac disease: A new insight . Indian J Gastroenterol. 2023 Dec;42(Suppl 2):125-263. doi:

10.1007/s12664-023-01471-4 (**Presented at ISGCON 2023, 21-24 Dec 2023, University of Agricultural Sciences, GKV Campus, Bengaluru**)

Shikhir Malhotra, Ashish Agarwal, Chhagan Lal Birda, Vibhor Tak, Ravisekhar Gadepalli, Sarika Kombade, Kumar S Abhishek. Helicobacter pylori infection: A comparative analysis of various diagnostic modalities in functional dyspepsia and peptic ulcer disease. Indian J Gastroenterol. 2023 Dec;42(Suppl 2):125-263. doi: 10.1007/s12664-023-01471-4 (**Presented at ISGCON 2023, 21-24 Dec 2023, University of Agricultural Sciences, GKV Campus, Bengaluru**)

Wajiha Mehtab<sup>1</sup>, Alka Singh<sup>2</sup>, Ashish Upadhyay<sup>3</sup>, Anam Ahmed<sup>2</sup>, Ashish Chauhan<sup>4</sup>, Ashish Agarwal<sup>2</sup>, Namrata Singh<sup>2</sup>, Anupa Siddhu<sup>1</sup>, V Sreenivas<sup>3</sup>, Vineet Ahuja<sup>2</sup>, Govind K Makharia<sup>2</sup>, Anita Malhotra. Development and validation of a tool for assessing adherence to gluten-free diet in patients with celiac disease (Celiac disease: Compliance Assessment Tool; CD-CAT). Indian J Gastroenterol. 2023 Dec;42(Suppl 2):125-263. doi: 10.1007/s12664-023-01471-4 (**Presented at ISGCON 2023, 21-24 Dec 2023, University of Agricultural Sciences, GKV Campus, Bengaluru**)

Kartikeya Mathur, Ashish Agarwal, Chhagan Lal Birda, Vikrant Verma, Rengarajan Rajagopal, Satyam Kumar Singh, Samarth Bhat, Naman Lodha. Systemic amyloidosis presenting as Budd-Chiari syndrome. Indian J Gastroenterol. 2023 Dec;42(Suppl 2):125-263. doi: 10.1007/s12664-023-01471-4 (**Presented at ISGCON 2023, 21-24 Dec 2023, University of Agricultural Sciences, GKV Campus, Bengaluru**)

Sanjay Ganti, Mithu Banerjee, Ashish Agarwal, Chhagan Lal Birda, Mahendra Kumar Garg, Satyendra Khichar. Serum prolactin level as a biomarker of severity in chronic liver disease. Indian J Gastroenterol. 2023 Dec;42(Suppl 2):125-263. doi: 10.1007/s12664-023-01471-4 (**Presented at ISGCON 2023, 21-24 Dec 2023, University of Agricultural Sciences, GKV Campus, Bengaluru**)

Wajiha Mehtab<sup>1</sup>, Alka Singh<sup>2</sup>, Anam Ahmed<sup>2</sup>, Ashish Chauhan<sup>2</sup>, Ashish Agarwal<sup>2</sup>, Namrata Singh<sup>2</sup>, Anupa Siddhu<sup>1</sup>, V Sreenivas<sup>3</sup>, Vineet Ahuja<sup>2</sup>, Govind K Makharia<sup>2</sup>, Anita Malhotra. Nutritional intake of Indian adult patients with celiac disease is inadequate. Indian J Gastroenterol. 2023 Dec;42(Suppl 2):125-263. doi: 10.1007/s12664-023-01471-4 (**Presented at ISGCON 2023, 21-24 Dec 2023, University of Agricultural Sciences, GKV Campus, Bengaluru**)

#### Sessions Chaired:

ERCP- biliary interventions, Endocon 2024, 19-21 April 2024, Hotel Pullman, New Delhi

Breakfast session- ERCP, A Joint meeting of the International Association of Pancreatology and Indian Pancreas Club and the - Pancreas 2023, 15th - 17th September 2023, JW Marriott, Aerocity, New Delhi

Live transmission with working tea, The Interventional Pancreato-Biliary Congress (IPBC - 2023), 27 – 28 May'2023 at The Leela, Ambience Island, Gurugram, Delhi NCR, India  
cardiopulmonary and metabolic complications, Current Perspectives in Liver disease-CPLD 2023, 21st and 22nd of October, 2023 at AIIMS, New Delhi.

### Invited Lectures

Intestinal failure, ISGCON 2023, 21-24 Dec 2023, University of Agricultural Sciences, GKVK

Campus, Bengaluru

Metabolic and nutritional consequences of gluten free diet, 1st Asian Pacific Celiac Disease

Symposium, 8-10 March 2024, Le Meridien Hotel, New Delhi

Management of refractory giardiasis, 17th National conference of Indian Academy of Tropical

Gastroenterology, 26-29 October 2023, at AIIMS Jodhpur

### Symposium Speaker

“Bowel woes in Pregnancy” at symposium “Clinical Pearls - Update on Clinical Challenges and

Recent Advances in Ob/Gyn”, on 18th May 2024, at Hotel Park Plaza, Jodhpur, Rajasthan\

### Resource Faculty:

Panel discussion, End of Life Care: Bridging Health Care Professionals and Society Perspective,

Date: 24 February 2024, Venue: E-Classroom, AIIMS, Jodhpur

### Research Project:

#### Ongoing:

##### As Principal Investigator

Clinical, radiological, endoscopic and histological profile in patients with opioid induced gastroenteropathy: A prospective observational study

##### As Co-Investigator

1. Epidemiology of Pancreatitis and major Gastrointestinal Diseases: A Multi Centre Study Across India- An ICMR Task Force Project (Funded by ICMR)
2. Neo adjuvant chemotherapy followed by surgery versus surgery followed by adjuvant chemotherapy for resectable gastric adenocarcinoma-phase-3 multicentric randomized control trial (NAGA study) funded by Department of Health Research (DHR)
3. Caregiver burden in inflammatory bowel disease: A cross-sectional multicenter study (Collaborating Institutes - PGIMER, Chandigarh; SMS, Jaipur; Sum hospital & MC, Bhubaneswar)
4. Development of CT-based deep learning model for classification of fluid collection in acute pancreatitis based on the degree of solid component: A retrospective study
5. Cochlear affection associated with inflammatory bowel disease - A cross-sectional study (Intramural funded by AIIMS Jodhpur)
6. Endoscopic cardial constriction with band-ligation for the treatment of gastroesophageal reflux disease – a prospective observational study
7. Clinical, endoscopic, radiological and histological profile of patients with opioid gastroenteropathy – a prospective observational study

8. Twenty-four-hour pH monitoring of gastric conduit in post-esophagectomy patients and correlation with clinico-endoscopic parameters – a prospective observational study
10. Clinical and radiological profile of patients with opioid enteropathy – a prospective observational study
11. Role of Pre-operative Peritumoral Tattooing on Lymph node yield following Neo-adjuvant therapy in rectal cancer patients (PeTOLAR study): A Randomized controlled trial
12. Clinical profile and outcomes of AKI in patients with CLD – A prospective observational study
13. Assessment of bone mineral profile and bone mineral density in CLD
14. Near-Infra-Red Fluorescence Guided Lymphadenectomy During Esophagectomy for Esophageal Cancer
15. Clinical profile, Risk factors, Biomarkers, and outcomes of ATT induced hepatitis
16. Clinical profile and outcomes of acute pancreatitis: an observational study
17. Assessment of cutaneous manifestations in celiac disease patients – A cross-sectional study
18. Endoscopic cardiac constriction with band-ligation for the treatment of gastroesophageal reflux disease after per-oral endoscopic myotomy for Achalasia cardia– a prospective observational study
19. 19 G EUS FNA versus 19 G EUS FNB needles for adequacy of liver biopsy: A non-inferiority randomized-controlled trial

#### **National/ International Conferences attended:**

ISGCON 2023, 21-24 Dec 2023, University of Agricultural Sciences, GKVK Campus, Benagluru

Endocon 2024, 19-21 April 2024, Hotel Pullman, New Delhi

A Joint meeting of the International Association of Pancreatology and Indian Pancreas Club and the -

Pancreas 2023, 15th - 17th September 2023, JW Marriott, Aerocity, New Delhi

The Interventional Pancreato-Biliary Congress (IPBC - 2023), 27 – 28 May'2023 at The Leela, Ambience Island, Gurugram, Delhi NCR, India

Current Perspectives in Liver disease-CPLD 2023, 21st and 22nd of October, 2023 at AIIMS, New Delhi.

1st Asian Pacific Celiac Disease Symposium, 8-10 March 2024, Le Meridien Hotel, New Delhi

**Name of Faculty: Dr. Chhagan Lal Birda**

**Designation:** Assistant Professor

#### **Papers Presented:**

- (i) Opioid pancreatobiliopathy: A mimicker of periampullary malignancy in opioid Addicts – presented in *Pancreas 2023* conference of International Pancreatology Association held at New Delhi between 15<sup>th</sup>-17<sup>th</sup> September 2023.

- (ii) Opioid gastroenteropathy: A new mimicker of ulcerconstrictive disease of bowel – presented in *Asia-Pacific Digestive Week 2023* conference held at Bangkok, Thailand between 6<sup>th</sup> -9<sup>th</sup> December 2023

### **Symposium Speaker**

Panelist for panel discussion on “Acute Liver Failure.” 7th PGI GI emergency Postgraduate Program; 30th September to 2nd October 2023, PGIMER Chandigarh.

Panelist for panel discussion on “Parasites with oncogenic potentials and their management.” 17th National Conference of Indian Academy of Tropical Parasitology; 27th-29th October 2023, AIIMS, Jodhpur

### **Research Project:**

#### **Ongoing:**

#### **As Principal Investigator**

Caregiver burden in inflammatory bowel disease: A cross-sectional multicenter study  
(Collaborating Institutes - PGIMER, Chandigarh; SMS, Jaipur; Sum hospital & MC, Bhubaneswar)

#### **As Co-Investigator**

Clinical, radiological, endoscopic and histological profile in patients with opioid induced gastroenteropathy: A prospective observational study

- (ii) Development of CT-based deep learning model for classification of fluid collection in acute pancreatitis based on the degree of solid component: A retrospective study
- (iii) Cochlear affection associated with inflammatory bowel disease - A cross-sectional study
- (iv) Endoscopic cardiac constriction with band-ligation for the treatment of gastroesophageal reflux disease – a prospective observational study.
- (v) Role of Preoperative Peritumoral Tattooing on Lymph node yield following Neoadjuvant therapy in rectal cancer patients (PeTOLAR study): A Randomized controlled trial
- (vi) Assessment of cutaneous manifestations in celiac disease patients – A cross-sectional study
- (vii) Clinical profile, Risk factors, Biomarkers, and outcomes of ATT induced hepatitis
- (viii) Endoscopic cardiac constriction with band-ligation for the treatment of gastroesophageal reflux disease after per-oral endoscopic myotomy for Achalasia cardia– a prospective observational study

#### **Completed:**

#### **2. As Co-Investigator**



- a. Clinical profile and outcomes of AKI in patients with CLD – A prospective observational study
- b. Assessment of bone mineral profile and bone mineral density in CLD

**Membership/Post in Journal or Society or Association (List those obtained in the specified time period)**

Lifetime member of Indian Pancreatology Association

**National/ International Conferences attended:**

**International conferences:**

Asia-Pacific Digestive Week (APDW 2023); 6th-9th December, 2023 at Bangkok, Thailand  
Pancreas 2023; conference of International Pancreatology Association; 15<sup>th</sup>-17<sup>th</sup> September  
2023, New Delhi

**National conferences:**

7th PGI GI Emergency Postgraduate program; 30th September-2nd October 2023, Chandigarh  
64th ISGCON; Annual conference of Indian Society of Gastroenterology; 21st-24th December  
2023, Bangalore.

## Department of Medical oncology/ Hematology

S.No.	Name	Designation
1	Dr Akanksha Garg	Associate Professor (Till 30 <sup>th</sup> September 2023)
2	Dr. Parmod Kumar	Assistant Professor

### About the Department

The Department of Medical Oncology/Haematology was started in February 2021 to manage the malignant disorders in this western part of India. The department aimed to make itself a major referral center for solid and hematological malignant disorders patients not only from proximate cities but also from nearby states. We are offering up-to-date facility for comprehensive management of both solid and hematological malignancies and providing comprehensive medical education and research. The planned expansion in terms of new services and infrastructure development are ongoing. Quality and safety of high order is maintained in patient care. The comprehensive follow up records are maintained for regular follow up. The patients are evaluated in OPD unit and then work up is done. Needy patients are then admitted in indoor ward. Patients are admitted from the OPD and emergency under the Department of Medical Oncology/Haematology. Patient is thoroughly evaluated and history & examination is prepared by the integrated oncology resident as soon as the patient arrives. Printed discharge summary is handed over to all the patients. The department is maintaining soft copies of all the data including discharge summary. Patients diagnosed with solid and hematological malignancies receive curative/palliative chemotherapy in daycare and indoor ward. Intensive chemotherapies are given in indoor wards only. Chemotoxicities are managed on indoor basis. DM Medical Oncology course was started with 1<sup>st</sup> candidate enrolled in January 2023 session. Regular academic activities are being held in the department.

### Compiled list of Publications of the department

#### Papers

#### Pubmed Indexed:

1. Kumar M. K. P, Kapoor M, Sehrawat A, Sundriyal D. 112P Real-world data of OGS-12 protocol on non-metastatic extremity osteosarcoma: A multicentric study. ESMO Open.2024;9(suppl2):102501.

#### Any other Information:

1. Guest lecture on 'Role and Responsibilities of Genetic cancer clinic in current Era'. Invited Guest: Dr. Raja Pramanik, Additional professor, Department of Medical Oncology at IRCH , AIIMS Delhi.

**Name of Faculty: Dr. Akanksha Garg**

**Designation: Associate Professor**

#### Invited Lectures

1. 'Approach to bleeding disorders'. Midterm CME PHO 2023, 21<sup>st</sup> July 2023, AIIMS Jodhpur
2. 'Hematologic manifestations of Dengue- HLH'. Hematology Masterclass, 13<sup>th</sup> August 2023, Zydus Hospitals, Ahmedabad

3. 'When all is dark, asciminib is a saviour!'. Midterm MHG conference, 29<sup>th</sup> September- 1<sup>st</sup> October 2023, Mumbai
4. 'A curious case of AITL'. Midterm MHG conference, 29<sup>th</sup> September- 1<sup>st</sup> October 2023, Mumbai

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. Quality of life assessment in adult patients with hematological malignancy. Non funded project.

**As Co-Investigator**

1. Evaluation of expression of CD25 by flow cytometry in cases of B cell ALL and its correlation with BCR:ABL fusion transcript.
2. A Prospective, Randomized, Multicenter, Comparative, Double-blind, Parallel Study to Evaluate the Efficacy, Safety, Pharmacokinetics, and Immunogenicity of Test Pertuzumab (ZRC-3277, Cadila Healthcare Ltd.,) with Reference Pertuzumab (Perjeta®, Genentech Inc.,) in Previously Untreated Patients with HER2 Positive Metastatic Breast Cancer. Funded by Zydus life sciences.

**Membership/Post in Journal or Society or Association:**

1. Member; European Hematology Association
2. Member; Indian Society of Hematology and Blood Transfusion
3. Member; Indian Society of Blood and Marrow Transplantation

**National Conference attended**

1. Midterm CME PHO 2023, AIIMS Jodhpur, 21<sup>st</sup> -23<sup>rd</sup> July 2023
- Midterm MHG Conference, Mumbai, 29<sup>th</sup> September- 1<sup>st</sup> October 2023

**Name of Faculty: Dr. Parmod Kumar**

**Designation: Assistant Professor**

**Papers Presented:**

1. MK Kumar P, Kapoor M, Sehrawat A, Sundriyal D. 12P Real-world data of OGS-12 protocol on non-metastatic extremity osteosarcoma: A multicentric study. ESMO Open. 2024; 9: 102501.

**Invited Speaker/ national faculty at National Conference**

1. 10<sup>th</sup> Young Radiation Oncology Conference, AIIMS Jodhpur, 20<sup>th</sup> -21<sup>st</sup> January 2024, Jodhpur
2. AIIMS Oncology Conclave, NCI AIIMS Delhi, 12<sup>th</sup> Feb 2024, New Delhi.

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. Management of locally advanced breast cancer in tertiary health care center in India: Multicentric real world Data

2. Quality of life in adults with advanced and metastatic head and neck cancer on multi agent chemotherapy: A prospective observational study.
3. Immunohistochemistry based prognostic classification for Gall bladder cancer. Intramural
4. Paired targeted genomic profiling of triple negative breast cancer to understand the mechanisms of chemoresistance and develop novel treatment targets

#### **As Co-Investigator**

1. Neoadjuvant chemotherapy followed by Surgery versus Surgery followed by Adjuvant chemotherapy for resectable Gastric Adenocarcinoma (NAGA study) - Phase 3 – Multi-centric Randomized Controlled trial.
2. Upfront Surgery Vs Induction Chemotherapy Followed By Surgery In Oral Cavity Squamous Cell Cancers With Advanced Nodal Disease (SurVIC Trial). Funded by ICMR
3. NHRP project on Breast Cancer Survival: Designing and implementation of health care model in patients with stage 2 Breast Cancer. Funded by ICMR

#### **Completed:**

##### **As Principal Investigator:**

1. A Prospective, Randomized, Multicenter, Comparative, Double-blind, Parallel Study to Evaluate the Efficacy, Safety, Pharmacokinetics, and Immunogenicity of Test Pertuzumab (ZRC-3277, Cadila Healthcare Ltd.,) with Reference Pertuzumab (Perjeta®, Genentech Inc.,) in Previously Untreated Patients with HER2 Positive Metastatic Breast Cancer.

#### **Examinership:**

1. M.Tech (Bioscience and Bioengineering), IIT Jodhpur, 15<sup>th</sup> June 2024. (Online)

#### **National Conference attended**

1. Seventh Annual International Breast Cancer Conference & Precision Oncology 2023, Dr. Sandeep Jasuja, Ialiti Hotel at Jaipur, 28<sup>th</sup> - 29<sup>th</sup> October 2023.
2. Third Indian Cancer Congress (ICC) 2023, Joint conference of ISPMO, IASO, ISO, ARIO in Jio world convention center Mumbai, 2<sup>nd</sup> -5<sup>th</sup> November 2023.
3. Annual year end review in lung cancer 2023, Cancer Research and statistics foundation. Hotel Westin, Mumbai, 15<sup>th</sup> - 17<sup>th</sup> December 2023.

## Department of Microbiology

S.No.	Name	Designation
1	Dr. Vijaya Lakshmi Nag	Professor (On deputation to NMC)
2	Dr. Ravisekhar Gadepalli	Additional Professor
3	Dr. Vibhor Tak	Additional Professor & In-charge HOD
4	Dr. Sarika P. Kombade	Associate Professor
5	Dr. Vidhi Jain	Associate Professor
6	Dr. Kumar S Abhishek	Assistant Professor
7	Dr. Kuntal Kumar Sinha	Assistant Professor

### About the Department

The department of Microbiology, AIIMS Jodhpur, right from its inception in 2013, has pursued a path of excellence in diagnostics and training. Situated in Western Rajasthan, a region with a scarcity of even basic microbiology services, the department has strived to set up high quality infrastructure and state-of-the-art diagnostics in this region. The department currently has seven faculty members, with expertise in diverse fields of diagnostics. We have a total strength of ten senior and thirteen junior residents. Our technical staff strength is eighteen and we have nineteen attendants. We also have five dedicated infection control nurses under the HIC section. Based on dynamic teamwork and leadership, the department provides seamless diagnostic services 24X7 to ably support our 960-bedded institute.

The diagnostic services provided are follows: Routine microscopy and culture/ sensitivity of body fluids like pus, blood, CSF, urine and respiratory secretions, including anaerobic cultures; clinical parasitology services like wet mount examination, special staining and ELISA; clinical mycology services like KOH-calcofluor white fluorescent microscopy, fungal culture, diagnostic mounts and antifungal susceptibility testing; clinical mycobacteriology services like AFB smears, geneXpert, line probe assay and liquid culture for mycobacteria, with services offered free of cost to patients under NTEP; STI services like VDRL, RPR, syphilis total antibody ELISA and treponemal test like TPHA, Chlamydial rapid antigen detection etc.; clinical immunology with a wide variety of rapid card tests, ELISA, spot assays etc for sero-diagnosis of bacteria, fungi and viruses; ELISA and PCR-based screening services for diphtheria and pertussis, rickettsial diagnostics like ELISA and immunofluorescence ; and finally, surveillance and diagnostics for healthcare-associated infections. The department is home to some state-of-the-art equipments like fluorescent microscopes, real time PCRs, automated DNA extractors, anoxomat, Matrix associated laser desorption ionization time of flight mass spectrometer (MALDI-TOF-MS) and Illumina next generation sequencer.

The department also serves as a regional reference center for viral diagnostics and research laboratories (R'-VRDL) and is associated with a robust virology lab and BSL-3. The R'—VRDL became functional during the COVID pandemic and continues to provide providing high quality viral diagnostics for patient care, as well as illumina-based next generation sequencing services to the Gol INSACOG initiative.

The faculty and residents are engaged in various teaching activities, including MBBS teaching, MD teaching, DM-infectious disease training, Bsc Nursing, MMT students training and Bsc MLT training in the institute. The department is engaged in various extramural and intramural research activities as well, with projects funded by the ICMR, WHO, Department of Biotechnology Gol, BMGF etc. The department

is well-known in the country for hosting a number of national conferences, CMEs and hands-on training workshops, which witness enthusiastic participation from microbiologists and infectious diseases specialists from all parts of the country. In the past year, our department has organized numerous national level conferences, workshops and CMEs like TROPACON-2023, ISHWMCON-2023, CME on Tuberculosis etc.

### Compiled list of Publications of the department:

#### Pubmed Indexed:

1. Wadhwa, Komal<sup>1</sup>; Malik, Shilpa<sup>1</sup>; Balaji, Srinigila<sup>1</sup>; Thiruvengadam, Ramachandran<sup>2</sup>; Bashyam, Murali Dharan<sup>7</sup>; Bhattacharya, Prasanta Kumar<sup>10</sup>; Behera, Bijayini<sup>11</sup>; Bhardwaj, Pankaj<sup>14</sup>; Biswas, Nidhan K.<sup>16</sup>; Das, Asim<sup>†</sup>; Dey, Anindya<sup>18</sup>; Dhotre, Dhiraj<sup>20</sup>; Dias, Mary<sup>20</sup>; Dubey, Pankaj<sup>23</sup>; Dutta, Shreelekha<sup>16</sup>; **Gadepalli, Ravisekhar**<sup>15</sup>; Gosain, Mudita<sup>2</sup>; Wadhwa, Nitya<sup>2</sup>; Das, Bhabatosh<sup>3</sup>; Garg, Pramod Kumar#Correlation of severity & clinical outcomes of COVID-19 with virus variants: A prospective, multicentre hospital network study. Indian Journal of Medical Research 159(1):p 91-101, January 2024.
2. Haripriya S, Malhotra S, **Gadepalli R, Tak V**, Kumar B. Unveiling Neurobrucellosis: A Case Report Emphasizing Early Diagnosis for Better Outcomes. Access Microbiology. 2024 Feb 1;6(2):000705-v3.
3. Sadhukhan S, Patra S, **Gadepalli R**, Kaur M. An unusual co-reactivation of herpes genitalis and shingles in a young male with primary genital herpes in partner. International Journal of STD & AIDS. 2024 Jan 23;9564624241229463.
4. Mohammad N, Tak V, Bohra GK, **Gadepalli R**, Sharma A, Singh K, Nag VL. Molecular appraisal of Giardia intestinalis from Western India: A prospective observational study. Tropical Parasitology. 2024 Jan 1;14(1):36-44
5. Bhardwaj P, Ganapathy K, Pathania M, Naveen KH, Charan J, Dutta S, **Gadepalli R**, Srinivasan S, Gupta MK, Goel AD, Midha N. Effectiveness of ayurvedic formulation, NAOQ19 along with standard care in the treatment of mild-moderate COVID-19 patients: A double blind, randomized, placebo-controlled, multicentric trial. Journal of Ayurveda and Integrative Medicine. 2023 Nov 14;14(6):100778.
6. Rajvanshi, Nikhil, Veena Laxmi, Taruna Yadav, Lokesh Saini, Jagdish Prasad Goyal, Vikarn Vishwajeet, **Gadepalli R**, and Prawin Kumar. "Kikuchi-Fujimoto Disease Secondary to Disseminated Brucellosis in an Adolescent Boy." *The Pediatric infectious disease journal* 42, no. 2 (2023): e55-e56.
7. Sharma K, Srivastava S, **Tak V**. Cryptosporidiosis in India and the World: A Review. Infect Disord Drug Targets. 2023;23(5):e030423215404. doi: 10.2174/1871526523666230403103344. PMID: 37016532.
8. Mohapatra S, Ghosh D, Vivekanandan P, Chunchanur S, Venugopal S, **Tak V**, Panigrahy R, Chaudhuri S, Pundir S, Sharma T, Kocher D, Singh H, Gautam H, Sood S, Das BK, Kapil A, Kumar A, Kumari R, Kalaivani M, Rangaiah A, Salve HR, Malhotra S, Kant S, Hari P; Investigators of CAUTION-ED STUDY (Community-acquired UTI & Emerging Drug Resistance). Genome profiling of uropathogenic E. coli from strictly defined community-acquired UTI in paediatric patients: a multicentric study. Antimicrob Resist Infect Control. 2023 Apr 18;12(1):36. doi: 10.1186/s13756-023-01233-z. PMID: 37072773; PMCID: PMC10114455.
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### Workshops/ Conferences Organized

1. CME on Tuberculosis, AIIMS Jodhpur, 3<sup>rd</sup> May 2023.
2. TROPACON-2023. 17<sup>th</sup> National Conference of Indian Academy of Tropical Parasitology. AIIMS Jodhpur 26<sup>th</sup> – 29<sup>th</sup> October 2023.
3. International conference ISHWMCON 2023- Biomedical Waste, Related Hospital Associated Infections and Immunization Waste Management International conference, AIIMS Jodhpur, 03 & 04 November 2023.
4. ASPICON 2023 a conference on antimicrobial stewardship practices in India –AIIMS Jodhpur on 30-9-23- To 1-10-23.
5. IAMM PG Assembly, AIIMS, Jodhpur in collaboration with IAMM society, 12/09/23.

### Eminent Visitors:

1. Ms. Vandana Jain, Joint Secretary, MoHFW, Government of India



2. Dr. Chiranjay Mukopadhyay, Director and Professor, Institute of Virology, KMC Manipal
3. Dr. Raja Pramani, Additional Professor, Medical Oncology, AIIMS, New Delhi
4. Dr. Bharti Malhotra, Professor and Head Dep. of Microbiology, SMS, Jaipur
5. Dr. Bashir Fomda, Professor and Head Dep. of Microbiology, SKIMS, Srinagar

**Any other information:**

**ISHWMCOM 2023**

An International Conference on-`Biomedical Waste, Related Hospital Associated Infections and Immunization Waste Management` was held at Auditorium, AIIMS, Jodhpur on 3<sup>rd</sup> and 4<sup>th</sup> November 2023 by collaboration of Indian society of hospital waste management and Dept of Hospital Administration and Department of Microbiology AIIMS Jodhpur & Preconference workshop was also organized on 2<sup>nd</sup> Nov 2023 for budding students and faculties.

The main agenda of conference was to discuss various types of Biomedical Waste & their management, associated biohazard control and Immunization Waste Management and Promoting Environmentally Sustainable Practices in Healthcare Waste Management".

A half day pre-conference workshop was conducted on 2<sup>nd</sup> Nov 23 on BMW, Infection Prevention Control practices, Cleaning & sterilization of an endoscope, CSSD practices. It was attended by 35 participants and they learned various hands-on methods on sterilizations and IPC practices.

The event was inaugurated by honourable Director AIIMS Jodhpur, Prof. Madhabananda Kar (online), Academic Dean Prof. Kuldeep Singh, Chairman Prof. M. K. Garg (online), Co-Chairman Dr Vibhor Tak, Organizing secretary Dr Ruchi Garg were inaugurated the conference event.

More than 200 delegates were attended this event of ISHWMCOM-2023 Conference. They came from various part of the countries like UP, Karnataka, Hyderabad, Rajasthan, Delhi and abroad of India like Nepal. State chapter ISHWM team from states of UP, Karnataka and Hyderabad also attended the conference and actively participated in scientific programme. International keynote speakers Alexander Von Hildebrand Former Regional Advisor WHO SEARO, truly set the tone for the conference and aware audience regarding BMW management.

**CME On Tuberculosis**

As Tuberculosis (TB) is one of the most ancient diseases of mankind and still the main cause of death due to infectious disease in 21<sup>st</sup> century worldwide and India, to combat this problem a one-day CME on Tuberculosis was organized by Department of Microbiology at E class, AIIMS Jodhpur on 3<sup>rd</sup> May 2023 with the Theme: "Transform to fight against TB -Yes, we can end TB! ". Dr. Sarika P Kombade, Associate Professor, Microbiology Dept. was the Organizing Secretary of that event. About 85 participants joined offline and online mode. The main objective of this CME was to spread awareness on NTEP programme, challenges of drug resistant Tuberculosis, NTM, Latent TB, Infection Prevention in TB, advances in diagnosis and management of Tuberculosis to healthcare professionals. Eminent speakers in the NTEP programme and National medical institution enlighten the audiences on above topics. WHO consultant NTEP, Dr. Khushboo given broad overview on epidemiology and programmatic management of TB, Dr. Dr. Shampa Anupurba, Professor and Head, BHU, Varanasi had enlighten the audience about Challenges in Diagnosis of Extrapulmonary TB & Discordant results in CBNAAT. Dr Mamatha HG, Consultant Microbiologist, National TB Institute, Bangalore spoke on biosafety in TB lab, Dr. Bharati Malhotra given talk on NTM infections, Dr. R. Lakshmi from CTD told about airborne infection in Hospital. Dr. Naveen Dutt, Nodal officer NTEP, DR. Hariharan Iyer, Dr. Gopal, faculty from pulmonary department, AIIMS Jodhpur also given an important update in TB management and MDR TB management.

### **“Converting Antibiotic Susceptibility Report to Effective Prescriptions: An AIIMS Jodhpur-ICMR Hands-on Workshop” held on 23<sup>rd</sup> August 2023**

The one-day workshop “Converting Antibiotic Susceptibility Report to Effective Prescriptions: An AIIMS Jodhpur-ICMR Hands-on Workshop” was held on 12<sup>th</sup> August, organized by Department of Microbiology in association with Department of General Medicine, AIIMS Jodhpur. A total of 21 participants from government & private hospitals attended the workshop. Most of them were consultant or resident doctors providing OPD and IPD services in secondary care hospitals of Jodhpur and adjoining areas. The rest were microbiologists involved in antibiotic stewardship from adjoining areas. Enrolment was free of cost.

The session started with introduction about the workshop & faculty of department of microbiology & general medicine, AIIMS Jodhpur. The participants were divided into four groups. The Senior Residents Microbiology & ID Residents started the session of AMSP with a few case presentations. The participant groups were asked to suggest antibiotic prescriptions for these cases. All groups were provided a standard prescription format and they had to discuss and present their final prescriptions. Clinical & microbiology experts from AIIMS Jodhpur gave their mentorship for improvement of the final prescriptions. The combined suggestions improved interpretation of culture reports and helped convert them into effective prescriptions. A prescription manual was given to all participants.

For the best reporting done for all 4 clinical syndromes discussed, a trophy was given to the best team. The workshop was widely appreciated by resident doctors, peripheral prescribers and microbiologists.



Faculty & participants during the “Converting Antibiotic Susceptibility Report to Effective Prescriptions: An AIIMS Jodhpur-ICMR Hands-on Workshop” held on 23<sup>rd</sup> August 2023

### **ASPICON 2023 Pre-conference workshop – “DIAGNOSTIC STEWARDSHIP IN FUNGAL INFECTIONS”**

The Department of Microbiology, in collaboration with the Department of General Medicine at AIIMS Jodhpur, organized a half-day (2pm – 6pm) hands-on workshop focused on identifying diagnostic challenges and opportunities for stewardship in fungal infections, in Smart E-classroom, AIIMS Jodhpur,

on 29<sup>th</sup> September 2023. The workshop began with a 30-minute theory session, followed by a 90-minute OSPE group activity, and concluded by a 1-hour post-workshop discussion.

The workshop was attended by more than 90 participants from diverse fields, including infectious diseases, pharmacology, microbiology, and general medicine, from different parts of the country. The Organizing Secretary, Dr Vidhi Jain, extended a warm welcome to all participants and provided a brief introduction to set the tone for the event. The workshop commenced with concise 5-minute lectures delivered by all faculty members from the Department of Microbiology at AIIMS Jodhpur on point-of-care diagnostic assays: 1-3  $\beta$ -d glucan, Cryptococcal lateral flow assay & latex agglutination test, galactomannan test, histoplasma urine antigen test, and the role of automation in fungal sepsis.

Following this, an innovative hands-on session ensued, where microbiologists, general medicine/ID specialists and pharmacologists teamed up to attempt clinically challenging scenarios on fungal stewardship. These groups engaged in a rotation through 20 OSCE/OSPE stations, each lasting 5 minutes. The stations were meticulously designed to encompass various aspects of fungal diagnostic stewardship, featuring clinical case scenarios with macroscopic/microscopic identification of fungal isolates, coupled with supporting rapid tests.

Particularly noteworthy were the stations involving counselling patients regarding sputum specimen and urine specimen collection, hands-on simulation of paired blood sampling from central lines, and specimen collection from urinary catheters. Hands-on interpretation of antifungal MIC values and rational prescription of antifungals based on susceptibility reports created many engaging scenarios that encouraged teamwork.

To encourage academic junior residents, four stations hosted a competition, challenging them to identify and draw labelled diagrams of the provided rare fungal isolate LPCBs.

Subsequently, participants were provided with answer keys for all OSCE/OSPE stations, leading to a comprehensive and interactive discussion facilitated through a PowerPoint presentation. The winners of the 'Junior Resident Fungal Challenge' were awarded trophies.

This hands-on experience, characterized by its unique format, allowed participants from diverse fields to actively engage, encouraging brainstorming and fostering communication. The concept was widely appreciated and applauded by the attendees for its inclusive and interactive approach, making it a truly distinctive event. The workshop concluded with high tea.



Faculty & participants during the workshop

### TROPACON – 2023

The **17<sup>th</sup> National Conference of the Indian Academy of Tropical Parasitology- TROPACON 2023** was organized by the Department of Microbiology, **AIIMS Jodhpur** from **26<sup>th</sup> to 29<sup>th</sup> October 2023**. The **organizing chairperson** was **Dr. Vijaya Lakshmi Nag** and the **organizing secretary** was **Dr. Vibhor Tak**.

The conference began with **3 pre-conference workshops** which were held on **26<sup>th</sup> October**, covering three different topics.

1. Medical Entomology: Approach to Identification and Control
2. Laboratory Diagnosis of Coccidian Parasites and Soil Transmitted Helminths
3. Clinical Management of Parasitic Diseases

A total of 138 delegates registered for the conference from various parts of the country. The three days conference began on 27<sup>th</sup> October 2023 with two parallel symposia in Hall A & Hall B. Various talks by various speakers from all over the country highlighted challenges in management of numerous parasitic diseases along with parasites associated with malignancies. Apart from that anti-parasitic drugs in pipeline and their emerging resistance were also discussed.

An all India UG and Resident Parasitology Quiz was also conducted and had an enthusiastic participation were observed from all over the country. The final stage round of the Resident's Quiz was conducted during the conference and attractive prizes were distributed amongst the winners. Seeing the overwhelming response from the Quiz, it was then decided by the IATP President that the UG & Resident's Parasitology Quiz would be conducted every year and AIIMS Jodhpur will be organizing institution.





### **IAMM PG-ASSEMBLY 2023**

The IAMM PG Assembly for the West Zone was conducted by the Department of Microbiology at AIIMS Jodhpur from 12/09/23 to 14/09/23. There were 21 registrations for the program however 20 students came for the program. There were numerous lectures and hands on sessions organized over a period of three days. The program received 6 credit hours from Rajasthan Medical Council vide their letter number RMC/2023/3366.

Day 1 (12/09/23): It began with Dr. Vibhor Tak (Additional Professor & Officiating Head) giving an overview of the course to the participants. A Pre-Test was also taken for assessing the baseline knowledge of the participants before starting the lectures. It was followed by a session on “Applications of Real Time PCR for Infectious Diseases” which was taken by Dr. Kuntal Kumar Sinha (Assistant Professor). This session was then succeeded by Dr. Kumar S Abhishek (Assistant Professor) who delivered his talk on “Automated Serological Testing.” It was followed by the Inauguration of the Program in the presence of Professor Madhabananda Kar (Executive Director, AIIMS Jodhpur) and Professor Kuldeep Singh (Dean Academics, AIIMS Jodhpur) and after the inaugural address a group photograph was taken. This was followed by tea break. Post tea break Dr. Sarika Kombade (Associate Professor) took a lecture on “Newer methods of Diagnosis of Tuberculosis.” Her session was followed by a talk on “Emerging NTM’s: An approach towards diagnosis and management of NTM’s” which was delivered by Dr. Kuntal Kumar Sinha (Assistant Professor). This was followed by lunch break. Post lunch break the participants were divided into 2 groups for demonstration cum hands on sessions. The following 2 demonstrations cum hands on sessions which were conducted over: -

1. Demonstration of Real Time PCR, Sequencing, Automated ELISA where the participants also had a chance to externally observe the layout of our BSL-3 VRDL laboratory.

2. Demonstration of CBNAAT, LPA, MGIT and use of MALDITOF for detection of Mycobacteria including NTM's. The day concluded with further discussions over tea.

Day2 (13/09/23): The next day was "World Sepsis Day" and it began with a very apt session on "Role of automated blood culture systems and direct susceptibility testing for reducing turnaround times in sepsis" by Dr. Vibhor Tak. This was succeeded by a talk by Dr. Vidhi Jain (Associate Professor) regarding IDSA guidelines on Candidemia management." It was then followed by Dr. Kumar S Abhishek delivering a talk on "Role of biomarkers in sepsis." It was followed by a tea break. Post tea break Dr. Vidhi Jain took a session on "Basics of Mycology including Classification of Fungi". The session was followed by lunch. Post lunch break the participants were divided into 2 groups for demonstration cum hands on sessions. The following 2 demonstrations cum hands on sessions which were conducted: -

1. Demonstration of Automated blood culture systems (Bact Alert), MALDI TOF, Vitek Carbapenemase gene detection using Rapid cards, MBL testing by double disk diffusion method, modified Hodge method and Colistin susceptibility by Disk Elution Method.
2. Demonstration of a wide variety of Macroscopic and Microscopic features of Moulds and also antifungal susceptibility of yeasts by Broth Microdilution method and also Vitek 2.

The day concluded with further discussions over tea.

Day3 (14/09/23): The last day began with a session on "OSPES/OSCES as a competency assessment tool in medical Education" by Dr. Vidhi Jain. The session was followed by tea break. Post tea break participants were asked to move over 12 stations and to undertake 11 OSPES with 1 rest station in between. The exercise was appreciated well by all participants. The OSPES session was followed by discussion of each and every OSPES with the participants. This was followed by a Post Test evaluation and a Participant feedback session where feedback was sought from each and every participant. This was succeeded by Valedictory Session and then lunch was served. The discussions continued over lunch. The three-day program came to a successful end.



Participants during the IAMM PG-ASSEMBLY 2023



**Name of Faculty: Dr. Ravisekhar Gadepalli**

**Designation: Additional Professor**

**Invited Lectures:**

1. Invited Chairperson and Resource Faculty on topic "Future Perspective in Parasitology" in TROPACON 2023 held on 26th -29th October 2023 at AIIMS Jodhpur. Rajasthan Medical Council has granted 02 Credit hours/day to Chairperson
2. Invited and delivered a talk as a Speaker during IAMM PG Assembly 2023 held at AIIMS, Jodhpur from 12-14 September 2023

**Resource Faculty:**

1. Resource faculty for orientation sessions of Interns and PGs, AIIMS Jodhpur-2023-24
2. Coordination committee faculty Member for preparedness COVID-19 of Hospital at AIIMS Jodhpur.(2023-24)
3. Institute Core-committee faculty Member for Expansion of COVID-19 testing facility in India (as per ICMR directive) for Gujrat and Rajasthan State. (2023-24)
4. Resource Faculty and Speaker in the workshop "National Conference on Innovations in Microbial Biotechnology: Pioneering the Future" at Nizam College, Osmania University Abids, Hyderabad, from 06 to 09 March 2024.
5. Resource Faculty and Chairperson for North Zone ACBI Conference 2024 from 1st to 2nd Feb. 2024. Theme- Biochemistry: Basics to Translational Organized by Department of Biochemistry, AIIMS Jodhpur.
6. Resource Faculty in the workshop on Bio Risk Management Workshop for Research Institutions with BSL-3 Laboratories Organized by Health Security Partners and the Foundation of Asian Biotech Associations from 7-9 December 2023, Hyderabad, India.
7. Resource Faculty for the project "A Prospective Cohort Study to Evaluate the Severity Risk Factors and Outcomes of SARS-CoV-2 Infection and Correlation of Clinical Outcomes with Virus Variants"- Hospital Network Study-Phase II. Held on 21 Dec. 2023".
8. Resource Faculty in ISHWMCON 2023 held on 3rd & 4th November 2023 at AIIMS Jodhpur.
9. Resource Faculty for Panel Discussion on topic "Parasites with oncogenic potential and their Management" in TROPACON 2023 held on 26th -29th October 2023 at AIIMS Jodhpur. Rajasthan Medical Council has granted 02 Credit hours/day to Chairperson.
10. Organising Committee Member and Resource Faculty in the 5th National Conference Antimicrobial Stewardship Practices in India ASPICON 2023 held from 30 September to 1st October 2023 organised by AIIMS Jodhpur and SASPI India and has been awarded 06 hours to his credit by Rajasthan Medical Council
11. Resource Faculty in the workshop on 'Whole Genome Sequencing: Strengthening Capacity for Genomic Sequencing of Outbreak Prone Respiratory Pathogens like Influenza and Other Respiratory Viruses' held from 07th to 12th August, 2023 organized by Virology laboratory, Department of Microbiology, AIIMS, New Delhi, In Collaboration with CDC (Centre for Disease Control and Prevention) and APHL (Association of Public Health Laboratories).



12. Resource Faculty in the “Converting Antibiotic Susceptibility Reports to Effective Prescriptions: An AIIMS Jodhpur- ICMR Hands –on Workshop “organized by Department of Microbiology, in association with Department of General Medicine, AIIMS Jodhpur held on 12th August 2023 at AIIMS Jodhpur
13. Resource faculty for the Scientific Poster Presentation at ASM Microbe on June 15-19,2023 In Houston, TX, USA
14. Resource faculty and participating centre for A Prospective Cohort Study to Evaluate the Severity Risk Factors and Outcomes of SARS-CoV-2 Infection and Correlation of Clinical Outcomes with Virus Variants"-sanctioned by DBT held on 08.05.2023.
15. Resource faculty for protocol discussion meeting (08-09<sup>th</sup> February 2023) at Delhi to conduct a pan India Study on Influenza, SARS Cov2 .and other respiratory virus associated SARI.
16. Resource faculty for Engagement of AIIMS Jodhpur as Regional Institute for HIV Surveillance and Epidemiology activities under NACP-V-reg. held on 15.04.2023
17. Resource faculty in the meeting on Centres for Disease Control and Prevention(CDC) Atlanta, USA, listing a number of state and central government medical institutions developed a research protocol titled” Burden and Sequelae of Influenza and SARS-CoV2 associated SARI among adult Indian population (18-60 yrs.) held on April 2023
18. Director nominee to attend online training course on Diagnostic network optimization held in collaboration with the Foundation of New and Innovative Diagnostic arranged by WHO- SEAR. The starting date of the course is 17 April 2023
19. Director nominee external member for meeting of Board of Study on to start new course or postgraduate programme in the Department of Biochemistry, AIIMS Jodhpur held on 01.05.2023.
20. Director Nominee as Nodal Officer from AIIMS Jodhpur to participate in BSL-3 Network Laboratory for National Outbreak Response Network.as proposed by ICMR, New Delhi held on May 2023
21. Online Participated in “07th Annual Short Course in Basic and Translational Virology of the GVN” to be held on 17.07.2023 to 21.07.2023 at Baltimore, Maryland.
22. Successfully completed “Laboratory Management Systems and Internal Audit as per IS/ISO 15189:2022” held at All India Institute of Medical Sciences, Jodhpur from 26th July to 27th July 2023.
23. Attended and Presented Oral Presentation in” 5th International Conference on Biotechnology in Health and Agriculture (ICBHA) 2023” to be held from 01/09/2023 to 03/09/2023 at Dhaka, Bangladesh.
24. Director Nominee to attend Project Collaboration meeting on study,” Burden and Sequelae of Influenza and SARS-CoV2 associated SARI among adult Indian population (18-60 yrs.) held on 12th and the 13th sept. 2023 at Park Hotel, New Delhi.
25. Joint Organizing Secretary and Resource Faculty to TROPACON 2023 held on 26th -29th October 2023 at AIIMS Jodhpur. Rajasthan Medical Council has granted 02 Credit hours/day to Chairperson.
26. Invited to Prepare Multiple- Choice Questions for the Question Bank of INI-CET Entrance Examinations (MD/ MS/ MDS Courses) for the subject of Microbiology, Exam Section AIIMS Delhi held on 20.10.2023
27. Director nominee to attend the joint meeting of the expert committee on BSL-3 Network and the In-charges of the BSL-3 facilities, nominee for national network under the National One Health Mission is scheduled on 10th November, 2023.

28. Ministry of Health & Family Welfare nominee to Workshop on Trauma & Burn care/ MLT/ Biochemistry/ Microbiology held on 22.11.2023 to 24.11.2023. at JPN Trauma and Burn Centre in AIIMS, New Delhi
29. Director Nominee for Technical Expert at Microbiology AIIMS, Jodhpur by Ministry of Health & family welfare, Govt. of India for procurement of medical equipments held on 15th Dec. 2023.
30. Director Nominee for attending a virtual meeting on 19.02.2024 under the chairpersonship of Joint Secretary, DHR to discuss the best possible ways to utilize the funds available Funding opportunities for public health research under " Development of new tool' scheme of DHR
31. ICMR and DHR nominee as the Technical Expert to guide the PIs of the following sites on technical matters related to the BSL-3 facility, including design, diagram development, specifications, planning and construction. AIIMS Raipur, AIIMS Rishikesh and GMC Kota on 19 Jan 2024.
32. Director Nominee for attending National BSL-3 Laboratory network under the Network one health Mission. Meeting was organized by Indian Council of Medical Research on National One Health Mission (NOHM) National BSL-3 Network held on 19.02.2024.
33. Director nominee as a Technical Expert for pre-bid meeting to procure equipment for Various AIIMS held on 26th March 2024.
34. Attended meeting between the visiting experts and the institute's Director, Dean, VRDL PI, and orient them about the IDRDL establishment. Expanding the Scope of ICMR/DHR VRDLs to infectious Disease Research & Diagnostic Laboratories (IRDLs) for Syndromic Diagnosis of Viral, Bacterial, Fungal & Parasitic Infections as on 20.02.2024.
35. ICMR has selected R'VRDL AIIMS Jodhpur for the Medical device testing laboratories. (MDTLs) for Typhoid and Dengue for validation of In-vitro diagnostics (IVDs) for CDSCO on 04 March 2024
36. Director nominee for attending Hospital Event-based Surveillance Site Investigators Meeting attended on 15th March 2024 at National Institute of Epidemiology, Chennai.
37. ICMR-NARI (National AIDS Research Institute) Nominee as Lab Nodal Contact Person for Dengue Vaccine Trial from 25 March 2024.

### Research Projects:

#### Ongoing:

#### As Principal Investigator:

1. Creation of a national network of existing and upcoming high risk pathogens laboratories (BSL-3/4) labs across departments and keeping their interlinkages functional for use during outbreak response across sectors under NOHM components of PM-ABHIM.
2. Pan India Surveillance for respiratory viruses through DHR-ICMR VRDL Network
3. 2021-Coronavirus (COVID-19/ SARS-CoV-2) Detection Through Automated Sampling and Wastewater-Based Epidemiology (WBE) (Financial support of INR 40 lacks by Fluid Robotics co., India)
4. Sustainable laboratory network for monitoring of Hemorrhagic fever viruses in India and Enhancing bio-risk mitigation for high risk group pathogens. (Funded by DHR-ICMR -50 lacks)
5. Intramural project granted on "***Clinical and cytological profile of HPV genotypes distributed in patients with or without cervical lesions in a tertiary care centre***" Funded by AIIMS Jodhpur.(ongoing)

#### As Co-Investigator: 04

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1. Hospital Event based surveillance for emerging infectious diseases in medical hospitals in India.
2. Strengthening genomic surveillance for vector borne disease endemic in India
3. HIV Surveillance and Epidemiology Activities under National AIDS Control programme IBBS-CFSW Pilot study Project.
4. Burden and sequelae of Influenza, SARS CoV-2 and other respiratory viruses associated severe acute respiratory infections among adult Indian population aged 18-60 years.

**Completed:**

**As Guide:** Seven (07) MD Thesis and 01 MD-Ph.D. thesis

**As Co-Guide:** 02(MD/MS) and 01 DM

**Scientific Awards/Patents: 02**

**Examinerships:**

1. *Internal Examiner for MD Examination in the subject of Microbiology at AIIMS Jodhpur held on June 2023.*
2. *Appointed as an external examiner by Rajasthan University of Health Sciences. Jaipur to conduct SECOND M.B.B.S (New Scheme) Main Exam Feb. 2024 from 11th March 2024 to 14th March 2024 in the subject Microbiology at Dr. S.N. Medical College & Hospital, Jodhpur*
3. Reviewer for Indian Journal of Medical Microbiology
4. Reviewer for Journal of Clinical and Diagnostic Research
5. Reviewer for Journal of Research in Medical and Dental Science
6. Reviewer for Journal of Medical Virology (Wiley Journal IF-9.5)
7. Reviewer for Peptides (Elsevier Journal IF-2.68)
8. Reviewer for Biochimie (Elsevier Journal IF-4.0)
9. Reviewer for Journal of Infectious Disease in Developing Countries
10. Reviewer for Clinical Infectious Diseases (Oxford Journal IF-9.5)
11. Reviewer for Journal of Medical Microbiology (Oxford IF-3.5)
12. Reviewer of Open Forum for Infectious Diseases (OFID)
13. Reviewer of Platelets
14. Editorial Member for Journal of Mycology and Virology.
15. Reviewer for the 8th International Conference of Medical and Health Science 2024; Scope of articles: Big data for public health policy, Bioinformatics, Biomedical sciences and engineering, Bimolecular and biotechnology, applied pharmacology going to be organized by Department of Research and Innovation, Universitas Muhamaddiyah Yogyakarta, Indonesia on 7-8 August 2024.

**Awards:**

1. Awarded for standing 1st among Faculty AIIMS Jodhpur for Publication in high impact journal (Original Article Category) on First Research Day at AIIMS Jodhpur held on 13th January 2024.

2. Awarded for outstanding research contribution in the form of the successful grant of Patent/s. by AIIMS Jodhpur, extends this recognition on the occasion of the First Research Day held on January 13, 2024

### **Membership/ Post in Journal or Society or Association**

1. Member and Biosafety officer for Institutional Biosafety Committee, AIIMS, Jodhpur)- 2023-24.
2. Member for Institutional Biosafety Committee IIT, Jodhpur- 2023-24.
3. American Society For Microbiology (ASM)- 56091614
4. American Heart Association (AHA)-181687726
5. Indian Association of Medical Microbiologists (IAMM)-LM 2492
6. Indian Association of Tropical Parasitology (Rajasthan Chapter)
7. Invited Committee Member of Local Research Advisory Committee (LRAC) of The Model Rural Health Research Units, (MRHRU), Bhanpur Kalan, Jaipur. From 30th November 2023

### **National/ International Conferences attended:2**

### **Workshops/ Conferences Organized:**

1. Resource faculty for the presentation “Ventilator associated pneumonia and its clinical outcomes: Results from a teaching hospital in western India 6th Forum on Respiratory Tract Infections” held at Glasgow from 5-7 Feb 2024
2. Training on Biosafety and Biosecurity for handling high risk pathogens in bsl-3 laboratory held at ICMR- National Institute of Virology, Pune during 15-19<sup>th</sup> April, 2024
3. Resource faculty for the Scientific Poster Presentation at ASM Microbe on June 15-19,2023 In Houston, TX, USA
4. Attended and Presented Oral Presentation in” 5th International Conference on Biotechnology in Health and Agriculture (ICBHA) 2023” to be held from 01/09/2023 to 03/09/2023 at Dhaka, Bangladesh

**Name of Faculty: Dr. Vibhor Tak**

**Designation: Additional professor & In-charge HOD**

### **Papers Presented:**

1. Hydatidosis Incidence Unleashed: A Silent Zoonotic Menace (Co-author). Poster presented at TROPACON 2023, AIIMS Jodhpur 26<sup>th</sup> -29<sup>th</sup> October 2023
2. Intestinal Protozoan Infections: A Retrospective Analysis from a Tertiary Care Centre (Co-author). Poster presented at TROPACON 2023, AIIMS Jodhpur 26<sup>th</sup> -29<sup>th</sup> October 2023
3. Cutaneous Larva Migrans- An uncommon case in Western Rajasthan(Co-author). Poster presented at TROPACON 2023, AIIMS Jodhpur 26<sup>th</sup> -29<sup>th</sup> October 2023
4. Epidemiology of coccidian parasites found in stool of symptomatic patients presenting to a tertiary care centre in Western Rajasthan (Co-author). Poster presented at TROPACON 2023, AIIMS Jodhpur 26<sup>th</sup> -29<sup>th</sup> October 2023
5. *Enterobius vermicularis* in the Geriatric Population: A Rare Case with *Helicobacter pylori* Coinfection (Co-author). Oral Paper presented at TROPACON 2023, AIIMS Jodhpur 26<sup>th</sup> -29<sup>th</sup> October 2023

6. Seroprevalence of Toxoplasmosis in Western Rajasthan (Co-author). Oral Paper presented at TROPACON 2023, AIIMS Jodhpur 26<sup>th</sup> -29<sup>th</sup> October 2023
7. Clinical Conundrum: Plasmodium vivax's Camouflage. Oral Paper presented at TROPACON 2023, AIIMS Jodhpur 26<sup>th</sup> -29<sup>th</sup> October 2023
8. Culprit or colonizer? to treat or ignore? clinical relevance of non-tuberculous mycobacteria (NTM) isolated in a tertiary care hospital in western Rajasthan: time to go from bench side to bed side. (Co-author). Poster presented at MICROCON 2023, KGMU Lucknow 24<sup>th</sup> -26<sup>th</sup> November 2023
9. Comparison of different diagnostic modalities for Helicobacter pylori infection in patients with functional dyspepsia and peptic ulcer disease (Co-author). Poster presented at MICROCON 2023, KGMU Lucknow 24<sup>th</sup> -26<sup>th</sup> November 2023

#### **Sessions Chaired:**

1. Symposium-3, CME – Transform to fight against TB – Yes, We can end TB! 3<sup>rd</sup> May 2023, AIIMS, Jodhpur.
2. “Salmonella and NTS: A primer for Clinicians” in IDCON 2023, AIIMS Jodhpur 6<sup>th</sup> May 2023
3. “Role of combination antimicrobial therapy - When, Where & How?” in ASPICON 2023 AIIMS Jodhpur 29<sup>th</sup> September-1<sup>st</sup> October 2023
4. Moderator- Diagnostic stewardship – an important pillar in ASPICON 2023 AIIMS Jodhpur 29<sup>th</sup> September-1<sup>st</sup> October 2023
5. Moderator– Panel discussion: “Parasites with oncogenic potential and their management” 26<sup>th</sup> – 29<sup>th</sup> October 2023, AIIMS, Jodhpur

#### **Invited Lectures:**

1. “Automation in fungal sepsis” during workshop on Diagnostic Stewardship in ASPICON 2023, AIIMS Jodhpur, 29<sup>th</sup> September 2023
2. “Describe how to complete a Process flow map” in workshop on “Health Care Associated Infections: Using Surveillance, Data Analysis and Quality Improvement Methods to Improve Outcomes.” in MICROCON 2023, KGMU Lucknow, 23<sup>rd</sup> November 2023
3. “Cutaneous Leishmaniasis: Recent Indian Scenario” in MICROCON 2023, KGMU Lucknow, 26<sup>th</sup> November 2023

#### **Symposium speaker:**

1. Laboratory Diagnosis of Melioidosis, AIIMS Jodhpur, 5<sup>th</sup> August 2023
2. Benefits of Participation in IATP EQAS in the symposium of IATP EQAS during the TROPACON 2023, AIIMS Jodhpur 29<sup>th</sup> October 2023

#### **Resource Faculty:**

1. IAMM PG Assembly West Zone, AIIMS Jodhpur, 12<sup>th</sup>-14<sup>th</sup> September 2023
2. ASPICON 2023 AIIMS Jodhpur 29<sup>th</sup> September-1<sup>st</sup> October 2023
3. TROPACON-2023, Department of Microbiology, 26<sup>th</sup> – 29<sup>th</sup> October 2023, AIIMS, Jodhpur.
4. ISHWMCON-2023, Department of Hospital administration & Microbiology, 3<sup>rd</sup> – 4<sup>th</sup> November 2023, AIIMS, Jodhpur.
5. MICROCON 2023 KGMU Lucknow 23<sup>rd</sup> November 2023 workshop on “Health Care Associated Infections: Using Surveillance, Data Analysis and Quality Improvement Methods to Improve Outcomes.”

6. Health Care Associated Infections: Using Surveillance, Data Analysis and Quality
7. Improvement Methods to Improve OutcomCME- International Lab Professionals Week, 24<sup>th</sup> – 29<sup>th</sup> April 2023, AIIMS Jodhpur.

### Research Project:

#### Ongoing:

##### As Principal Investigator

1. MISSION: A Multicentric Capacity Building Initiative to Strengthen the Clinical and Laboratory Detection of Melioidosis in India with special focus on the North Eastern States- **Extramural** (Funding: ICMR)
2. Molecular detection of rheumatogenic clusters of Streptococcus dysgalactiae subspecies Equisimilis (Group C,G) in India: Early prediction of Rheumatic heart disease - **Extramural** (Funding: ICMR)

##### As Co-Investigator

1. Implementation of AMSP in various tertiary care centers across India –**Extramural** (Funding: ICMR)
2. Phenotypic and genotypic detection of extended-spectrum beta-lactamases (ESBL) producing multidrug resistant (MDR) and extensively drug resistant (XDR) typhoidal Salmonella isolated from blood culture among patients presenting to AIIMS, Jodhpur. (Funding: AIIMS Jodhpur)

#### Completed:

##### As Principal Investigator

1. Emerging drug resistance in community-acquired urinary tract infection and molecular insights into dynamics of resistance traits in Indian isolates: A multi-centric cross sectional study- **Extramural** (Funding: ICMR)
2. Infection Prevention and Control (IPC)- Capacity building - Orientation Training for COVID-19 Preparedness and IPC for Healthcare Facilities – **Extramural** (Funding: BMGF)

##### As Co-Investigator

1. Capacity building and strengthening of hospital infection control to detect and prevent antimicrobial resistance in India- **Extramural** (Funding: CDC)
2. Expansion of antimicrobial stewardship (AMSP) and infection prevention & control program (ICP) of ICMR in secondary care Hospitals- **Extramural** (Funding: ICMR)

### Scientific Awards/Patents

1. Dr. S.S. Kelkar Memorial Award for Best Poster entitled “Comparison of different diagnostic modalities for Helicobacter pylori infection in patients with functional dyspepsia and peptic ulcer disease” (Co-author). Poster presented at MICROCON 2023, KGMU Lucknow 24-26 November 2023
2. Mumbai-Belgaum Best Poster in Mycobacteriology entitled “Culprit or colonizer? to treat or ignore? clinical relevance of non-tuberculous mycobacteria (NTM) isolated in a tertiary care hospital in western Rajasthan: time to go from bench side to bed side” (Co-author). Poster presented at MICROCON 2023, KGMU Lucknow 24-26 November 2023
3. Appreciation Certificate for writing 2 book chapters at First Institutional Annual Research Day, AIIMS Jodhpur, 13 January 2024

**Examinership**

1. II<sup>nd</sup> Professional MBBS Examination, GMC Pali, 20 June 2023.
2. MD Microbiology Examination, AIIMS Bhopal 29-31 May 2023.
3. MD Microbiology Examination, AIIMS Jodhpur 16-17 December 2023.

**Membership/Post in Journal or Society or Association**

1. Associate Editor of TROPICAL PARASITOLOGY
2. Founder Membership of Society of Antimicrobial Stewardship Practices in India (SASPI)
3. Membership of American Society of Microbiology (ASM) under the Global Outreach Program

**National/ International Conferences attended:**

1. International Lab Professionals week - Lab professionals- The Heroes in the background: 24<sup>th</sup> - 29<sup>th</sup> April 2023
2. CME on Hospital Infection Control under BMGF Project, AIIMS, Jodhpur 29<sup>th</sup> April 2023
3. IDCON 2023, the 2<sup>nd</sup> Annual Infectious Diseases Conference: 6<sup>th</sup> May 2023
4. IA & QMS Training 18<sup>th</sup> July - 21<sup>st</sup> July. AIIMS, Jodhpur
5. CME on Melioidosis: "Mission: A multi- centric capacity building initiative to strength the clinical and laboratory detection of melioidosis in India with special focus on the north eastern states" 5<sup>th</sup> August 2023
6. Converting Antibiotic susceptibility reports to effective prescriptions: an AIIMS JODHPUR-ICMR hands on workshop: 12<sup>th</sup> August 2023
7. "Authorship: Ethical Considerations": AIIMS-Jodhpur, 26<sup>th</sup> August.
8. IAMM-PG assembly 2023: West zone ; 12<sup>th</sup> -14<sup>th</sup> September.
9. ASPICON 2023, 5<sup>th</sup> National Conference & Workshop on Antimicrobial Stewardship in India: 29<sup>th</sup> September to 1<sup>st</sup> October
10. TROPACON 2023, 17<sup>th</sup> National Conference of Indian Academy of Tropical Parasitology: 26<sup>th</sup> – 29<sup>th</sup> October 2023
11. ISHWMCON 2023: 3<sup>rd</sup> – 4<sup>th</sup> November 2023.
12. MICROCON 2023: 24<sup>th</sup>-26<sup>th</sup> November 2023

**Any other information:**

1. Organizing Secretary CME on HIC under BMGF project 29<sup>th</sup> April 2023
2. Joint Organizing Secretary IDCON 2023 AIIMS Jodhpur 6<sup>th</sup> May 2023
3. Organizing Secretary CME on Melioidosis AIIMS Jodhpur 5 August 2023
4. Organizing Secretary IAMM PG Assembly West Zone 12<sup>th</sup>-14<sup>th</sup> September 2023
5. Co-organizing secretary ASPICON 2023 AIIMS Jodhpur 29<sup>th</sup> September – 1<sup>st</sup> October 2023
6. Organizing Secretary TROPACON 2023 AIIMS Jodhpur 26<sup>th</sup> -29<sup>th</sup> October 2023
7. Co-organizing chairperson ISHWMCON 2023 AIIMS Jodhpur 2<sup>nd</sup> -3<sup>rd</sup> November 2023
8. Reviewer of Abstracts MICROCON 2023
9. Judge for poster presentation at MICROCON 2023

**Name of Faculty: Dr Sarika P. Kombade**

**Designation: Associate Professor**

**Papers Presented: Poster**

1. Dr. Sarika Kombade, Dr. Srishti Hota, Title- STUDY OF EXTRAPULMONARY TUBERCULOSIS IN TERTIARY CARE CENTRE AT WESTERN RAJASTHAN, 23<sup>th</sup> -26<sup>th</sup> November 2023 , 46<sup>th</sup> Microcon 2023 - Indian Association of Medical Microbiologist, National Conference , KGMC Lucknow.
2. Bhavesh S , Kombade S P , Alisha A , Srishty S H. Trends and awareness of Biomedical Waste management among healthcare workers in respect to AIIMS Jodhpur. ISHWMCON 2023 organized by AIIMS Jodhpur.

**Sessions Chaired:**

1. 1.`Shorter is better` ASPICON 2023 a conference on antimicrobial stewardship practices in India ,1-10-23 at AIIMS Jodhpur , Jodhpur.
2. 2.Central nervous system infection, 17<sup>th</sup> National conference on Indian Association of Tropical parasitology held in 26-29<sup>th</sup> Nov 2023 at AIIMS Jodhpur. Jodhpur.
3. Judge for Paper presentation in Conference ISHWMCON 2023- Biomedical Waste, Related Hospital Associated Infections and Immunization Waste Management International conference on 03 & 04 November 2023 at AIIMS Jodhpur. Jodhpur.

**Invited Lectures**

1. Biomedical waste management, preconference workshop, ISHWMCON 2023- Biomedical Waste, Related Hospital Associated Infections and Immunization Waste Management International conference on 03 & 04 November 2023 at AIIMS Jodhpur.
2. Newer methods of Diagnosis of Tuberculosis” and demonstration of CBNAAT and LPA , “IAMM PG Assembly, AIIMS, Jodhpur”, 12/09/23, organized by Department of Microbiology, AIIMS Jodhpur in collaboration with IAMM .
3. Advancement in diagnosis of tuberculosis, CME on Tuberculosis, 3-5-23, AIIMS Jodhpur, Jodhpur.
4. Rapid diagnostic POCT for Invasive fungal Infection, Preconference workshop -antifungal diagnostic stewardship programme, ASPICON 2023 - conference on antimicrobial stewardship practices in India at AIIMS Jodhpur on 30-9-23-1-10-23
5. Diagnosis of tuberculosis, TB Mukh Panchayat, 30-3-2024., Udaipur village, Udaipur, conducted by dept. of pharmacology AIIMS Jodhpur.
6. Biomedical Waste Management and Infection Control in Hospital. Swachhata Pahkwada Week, AIIMS Jodhpur.

**Symposium Speaker**

1. Panel Discussion on tuberculosis, CME on Tuberculosis, 3-5-23, AIIMS Jodhpur, Jodhpur.
2. Shorter is better` ASPICON 2023 a conference on antimicrobial stewardship practices in India at AIIMS Jodhpur on 30-9-23-1-10-23.
3. Parasitic infection and growth retardation. 17<sup>th</sup> National conference on Indian Association of Tropical parasitology held in 26-29<sup>th</sup> Nov 2023 at AIIMS Jodhpur.

**Resource Faculty:**



1. Rapid diagnostic POCT for Invasive fungal Infection, Precision antifungal diagnostic stewardship programme. Preconference Workshop ASPICON 2023 a conference on antimicrobial stewardship practices in India on 30-9-23-1-10-23, AIIMS Jodhpur, Jodhpur.
2. `Newer methods of Diagnosis of Tuberculosis" and demonstration of CBNAAT and LPA in "IAMM PG Assembly, 12/09/23, AIIMS, Jodhpur" organized by Department of Microbiology, AIIMS Jodhpur in collaboration with IAMM, Jodhpur.
3. Biomedical waste management, preconference workshop, ISHWMCON 2023- Biomedical Waste, Related Hospital Associated Infections and Immunization Waste Management International conference on 03 & 04 November 2023 at AIIMS Jodhpur

### **Research Project:**

#### **Ongoing:**

##### **As Co-Investigator**

1. `Comparison of cervico-vaginal microflora in infertile vs asymptomatic healthy parous women.`', [Intramural project-AIIMS Jodhpur].
2. Phenotypic and genotypic detection of extended spectrum beta-lactamase's producing multidrug and extensively drug resistance typhoidal salmonella isolated from the blood culture among patients presenting to AIIMS Jodhpur. .`'[Intramural project-AIIMS Jodhpur].
3. Regional level Viral Research and Diagnostic Laboratory].[DHR-ICMR].
4. Strengthening of laboratory capabilities of AIIMS Jodhpur for diagnosis & control of Rabies in Rajasthan, India.[Acting Incharge of Project- Funding Agency if applicable- NCDC].
5. Seroepidemiology, Maternal immune status and missed diagnosis of pertussis among young infants in India a multicentric study-(Acting Incharge-DBT-ICMR –NIV funded).
6. Pharmacogenomic, Biochemical, epigenetic and population pharmacokinetic study in TB patients-multicentric study; conducted at AIIMS Jodhpur and Manipal College of Pharmacy, Manipal Academy of Higher Education, Manipal- DBT, ICMR

#### **Completed:**

##### **As Principal Investigator**

1. Estimation of Risk Associated with Zoonotic Tuberculosis (ERAZTB) in India. (Extramural Project by CMC Vellore, Nonfunded project)
2. `` A study to assess `Knowledge, attitude and practices of healthcare workers on use of personal protective equipment's in regards to COVID-19` (Nonfunded, AIIMS Jodhpur)
3. Study of bacterial and fungal infections in patients with chronic suppurative otitis media in tertiary care hospital, Western Rajasthan
4. Impact of conducting hand hygiene audit in COVID-19 care locations of India—A large scale national multicentric study'; conducted by AIIMS Jodhpur and JIPMER-6 month study from June -Dec 2021 (Multicentric Extramural Project-Completed)

##### **As Co-Investigator**

1. PI- Study of Clostridium difficile infection in hospitalized patients at tertiary care center at AIIMS Jodhpur``
2. Co-PI- ``Profile and treatment outcome of patients presenting with urethritis at AIIMS, Jodhpur: A Prospective Study

3. Effectiveness of Covaxin and Covishield vaccines against severe COVID-19 in India, 2021: Multicentric hospital based case control study.-NIV ICMR (Nonfunded, Completed)
4. Hospital based surveillance of Streptococcus pneumoniae and other invasive bacterial diseases- ICMR, New Delhi.(ICMR, Funded -Completed)
5. Whole genome sequencing of mycobacterium tuberculosis, a multicentric project by Arogya AI, (Funding agency ICMR, Completed)

### Examinership

1. Second MBBS Professionals practical MBBS examination, AIIMS Jodhpur on May 2023.
2. Second MBBS Professionals practical MBBS examination exam, at AIIMS Gorakhpur in 19-22<sup>nd</sup> May 2023
3. Second MBBS Professionals practical MBBS examination, at AIIMS Bhopal as external examiner for 2<sup>nd</sup> Prof MBBS examination on 14<sup>th</sup> April 2023
4. Second MBBS Professionals practical MBBS examination, Government Medical college Pali on 12-14<sup>th</sup> March 2023.
5. External examiner for MD professional practical examination by RUHS university at SNMC, Jodhpur on 5-6<sup>th</sup> Jan 2023.
6. Internal examiner for BSC Nursing Hon. 2<sup>nd</sup> year Exam at AIIMS Jodhpur held in Jan 2023. I was a chief moderator and internal examiner for this exam.

### Membership/Post in Journal or Society or Association

1. Life Member of the Society for Indian Human and Animal Mycologists
2. Life Member of the Indian Association of Medical Microbiology Society, -2702/15
3. Founder Member, SASPI, Membership ID: **SASPI/LM/56**
4. Annual ESCMID Member, membership ID- 470752
5. Annual Member, ASM - 200212659I

### National/ International Conferences attended:

1. Attended 46<sup>th</sup> Microcon 2023 - Indian Association of Medical Microbiologist, National Conference at KGMC Lucknow, 23<sup>th</sup> -26<sup>th</sup> November 2023
2. Attended International conference ISHWMCON 2023- Biomedical Waste, Related Hospital Associated Infections and Immunization Waste Management International conference on 03 & 04 November 2023 at AIIMS Jodhpur.
3. 17<sup>th</sup> National conference on Indian Association of Tropical parasitology held in 26-29<sup>th</sup> Nov 2023 at AIIMS Jodhpur.
4. ASPICON 2023 a conference on antimicrobial stewardship practices in India at AIIMS Jodhpur on 30-9-23-1-10-23.
5. 2<sup>nd</sup> National Workshop on Antimicrobial Stewardship at AIIMS Mangalagiri w.e.f. 27<sup>th</sup> Feb 2024 to 2<sup>nd</sup> March 2024.
6. National Training of Master Trainers on Management of Extrapulmonary TB Organized by Department of Medicine, AIIMS Delhi & Central TB Division, MoHFW, GoI on 1-2 November 2023.
7. IA & QMS Training Programme as per ISO 15189:2022 at All India Institute of Medical Sciences, Jodhpur from 18-21 July, 2023.
8. IDCON 23 on 6<sup>th</sup> May 23 organized by Dept of Medicine, AIIMS Jodhpur.
9. CME on Tuberculosis, 3-5-23, AIIMS Jodhpur, Jodhpur.

**Name of Faculty: Dr Vidhi Jain**

**Designation: Associate Professor**

**Papers Presented (as co-author):**

1. Haripriya .S, Jain V, Gadepalli RS, Bohra GK, Gopalakrishnan, Singh K, Bhardwaj P, Bajpayee A “Standardization of Serological Assays, Microbiological Diagnosis and Clinical Detection of Scrub Typhus in Jodhpur, Rajasthan”, Presented as a poster during the Asia Paific Rickettsial Conference, Mahabalipuram, Tamil Nadu, January 2024.
2. Doddamni S, Jain V. “CLSI vs EUCAST: What to choose for Candida albicans AFST?”, presented as a poster during ASPICON 2023, September 2023, AIIMS Jodhpur.
3. Nag VG , Kapoor S , Roy NS , Kundu A, Jain V , Kala PC, Nalwa A. “Cutaneous Basidiobolomycosis”. Presented as a poster in Lab Professionals Week 2023, AIIMS Jodhpur.

**Sessions Chaired:**

1. “ICU Stewardship – Candidemia bundle”, on 1<sup>st</sup> October 2023, as part of the 5<sup>th</sup> National Conference and workshop on antimicrobial stewardship in India ASPICON 2023, held at AIIMS Jodhpur from 29<sup>th</sup> September – 1<sup>st</sup> October 2023.
2. “Prevention and control of parasitic infections”, on 28<sup>th</sup> October 2023, from 2-4pm, during the 17<sup>th</sup> National Conference of Indian Academy of Tropical Parasitology TROPACON 2023, held at AIIMS Jodhpur from 26<sup>th</sup> -29<sup>th</sup> Oct 2023, at AIIMS Jodhpur

**Invited Lectures**

1. Online lecture on “Diagnostic challenges in fungal diseases” from 4:30pm -6:00pm, during the 2<sup>nd</sup> online webinar of SASPI on 19<sup>th</sup> January 2024.
2. Speaker on “Experience on diagnosing rare fungal infections at AIIMS Jodhpur” on 23<sup>rd</sup> November 2023, during the mini-symposium on “Diagnosing rare fungal infections” held during the 46<sup>th</sup> Annual conference of the Indian Association of Medical Microbiologists (MICROCON 2023), at KGMU Lucknow, from 23<sup>rd</sup> – 26<sup>th</sup> November 2023.
3. Lectures titled “Approach to OSPE’s” and “Answers of OSPEs”, held on 14<sup>th</sup> September, during the IAMM PG Assembly 2023, held on 12<sup>th</sup> -14<sup>th</sup> September 2023, at E-classroom and Microbiology lab, organized by the Department of Microbiology, AIIMS Jodhpur.
4. Lecture titled “Medical Mycology for Postgraduates”, held on 13<sup>th</sup> September, during the IAMM PG Assembly 2023, held on 12<sup>th</sup> -14<sup>th</sup> September 2023, at E-classroom and Microbiology lab, organized by the Department of Microbiology, AIIMS Jodhpur.
5. Lecture titled “Approach towards interpretation of AST reports & prescription writing”, presented during “Converting Antibiotic Susceptibility Reports to Effective Prescriptions: An AIIMS Jodhpur-ICMR Hands-on Workshop”, held on 12<sup>th</sup> August 2023, organized by the Department of Microbiology, AIIMS Jodhpur.

**Resource Faculty:**

1. 1<sup>st</sup> SR Primer Workshop on teaching-Learning methods for Senior Residents, conducted on 16<sup>th</sup> March 2024, at Skills lab, by the Department of Medical Education technologies, AIIMS Jodhpur. (Organizing faculty)
2. National Conference of the Indian Society of Hospital Waste Management, ISHWAMCON 2023, organized by the Department of Hospital Administration & Department of Microbiology, AIIMS Jodhpur, held from 2<sup>nd</sup> -4<sup>th</sup> November 2023, at AIIMS Jodhpur. (Organizing faculty)
3. 17<sup>th</sup> National Conference of Indian Academy of Tropical Parasitology TROPACON 2023, held on 26<sup>th</sup> -29<sup>th</sup> October 2023, at AIIMS Jodhpur. (Organizing faculty)
4. Pre-conference workshop "Medical Entomology: Approach to Identification & Control", held during the 17<sup>th</sup> National Conference of Indian Academy of Tropical Parasitology TROPACON 2023, held on 26<sup>th</sup> October 2023, at AIIMS Jodhpur. (Resource person)
5. 5<sup>th</sup> National Conference of Antimicrobial Stewardship practices in India, ASPICON 2023, organized by the Department of General Medicine and department of Microbiology, AIIMS Jodhpur, held from 30<sup>th</sup> September – 1<sup>st</sup> October 2023, at AIIMS Jodhpur. (Co-Organizing Secretary)
6. Pre-conference workshop "Diagnostic Stewardship in Fungal Infections", held on 29<sup>th</sup> September 2023, during the 5<sup>th</sup> National Conference of Antimicrobial Stewardship practices in India, ASPICON 2023, organized by the Department of General Medicine and department of Microbiology, AIIMS Jodhpur, held from 30<sup>th</sup> September – 1<sup>st</sup> October 2023, at AIIMS Jodhpur. (Co-Organizing Secretary)
7. IAMM PG Assembly 2023, held on 12<sup>th</sup> -14<sup>th</sup> September 2023, at E-classroom and Microbiology lab, organized by the Department of Microbiology, AIIMS Jodhpur. (Organizing faculty)
8. Medical Photography workshop, held on 19<sup>th</sup> August 2023, at Skill lab, organized by the Department of Medical Education Technology, AIIMS Jodhpur (Resource person).
9. Hands-on Workshop "Converting Antibiotic Susceptibility Reports to Effective Prescriptions: An AIIMS Jodhpur- ICMR Hands-on Workshop", held on 12<sup>th</sup> August 2023, organized by the Department of Microbiology, AIIMS Jodhpur (Organizing Secretary).

### **Research Project:**

#### **Ongoing:**

##### **As Principal Investigator**

1. Isolate profiling, antifungal susceptibility testing and clinical management of patients with candidemia at AIIMS Jodhpur. (Non-funded)

##### **As co-investigator**

1. Establishment of Consortium for One Health to address zoonotic and transboundary diseases in India, including the Northeast region. [Department of Biotechnology, GoI]
2. Treatment of eumycotic mycetoma using a combination of antifungal therapy (itraconazole with or without Amphotericin B) and surgery with clinical, radiological and mycological assessment: a comparative study. (Funding IADVL Research Grant, Dermatology)
3. COVID 19 vaccination in pregnancy: The COVIP study. [Funding:ICMR]
4. Phenotypic and genotypic detection of extended-spectrum beta-lactamases (ESBL) producing multidrug resistant (MDR) and extensively drug resistant (XDR) typhoidal Salmonella isolated from blood culture among patients presenting to AIIMS, Jodhpur. (Funding: AIIMS Jodhpur)
5. Tug of war: Vulvovaginal candidiasis versus colonization among patients attending Dermatology OPD of a tertiary care hospital of Western Rajasthan.(AIIMS Jodhpur, Non-funded)

**Completed****As Principal Investigator**

1. Surveillance of Scrub typhus infection by serological and molecular testing by DHR- virus diagnostic laboratories across the country- [DHR-ICMR]
2. Status of Sero-positivity among Asymptomatic Frontline Workers during the Lockdown Period due to COVID-19 Pandemic in Jodhpur. (Funded)
3. Isolate profiling and geographical distribution of cases of COVID-19 associated mucormycosis presenting to AIIMS Jodhpur (Non-funded)
4. Predictive value of various clinical specimens for the microbiological diagnosis of COVID-19 associated mucormycosis at AIIMS, Jodhpur (Non-funded)

**As Co-Investigator**

1. Expansion of antimicrobial stewardship (AMSP) and infection prevention and control program (ICP) of ICMR in secondary care hospitals. [Funding: ICMR-Pfizer]
2. Emerging drug resistance in community-acquired urinary tract infection and molecular insights into dynamics of resistance traits in Indian isolates: A multi-centric cross-sectional study. [Funding:ICMR]
3. Clinical study for detection and characterization of superficial fungal infections using a multi-spectral fluorescence imaging device. [Funding: Indo-Swedish research grant]
4. Environmental determinants of SARS-CoV-2 transmission and spread of mucormycosis:an exploratory research. [Funding: ICMR/NIECD]
5. WHO Unity study: Assessment of risk factors for Coronavirus disease 2019 (COVID-19) in healthcare workers: protocol for a case-control study. [Funding:WHO]
6. Evaluation of risk factors, management and outcomes of orbital involvement in COVID-19 associated sinonasal mucormycosis with orbital involvement (Non-funded)
7. Renal mucormycosis presenting during COVID-19 pandemic: Analysis of clinical features, natural history and prognostic markers.(Non funded)
8. Evaluation of risk factors of invasive mucormycosis in COVID-19. (Non-funded)
9. A study to assess 'Knowledge, attitude and practices of healthcare workers on use of personal protective equipment's in regards to COVID-19'. (Non-funded).
10. Renal mucormycosis presenting during COVID-19 pandemic: Analysis of clinical features, natural history and prognostic markers.(Non funded)
11. Assessment of Quality Improvement Initiatives for Infection Control in AIIMS Jodhpur. (Non-funded)

**Scientific Awards:**

1. Completed the Executive Program in healthcare Management, School of Public Health, AIIMS Jodhpur (Jan – July 2023 session)

**Examinership**

1. External examiner for for MBBS 2<sup>nd</sup> Prof practical examination in the Department of Microbiology, Govt. medical College, Pali, Rajasthan, from 12<sup>th</sup> -14<sup>th</sup> March 2024.
2. External examiner for MBBS 2<sup>nd</sup> Prof practical examination (Supplementary) at AIIMS Rajkot, Gujarat, on 13<sup>th</sup> April 2023

**Membership/Post in Journal or Society or Association**

1. International Society for Human and Animal Mycology (ISHAM), Young scientist membership no. MM4505

**National/ International Conferences attended:**

1. Nominated by the Director for the 90<sup>th</sup> National Course on Educational science for Teachers of Health Professionals, held from 26<sup>th</sup> February – 2<sup>nd</sup> March 2024, at JIPMER Puducherry.
2. “Laboratory Management System & Internal Audit as per ISO 15189:2022”, conducted by MELAP, held from 18<sup>th</sup> – 21<sup>st</sup> July 2023, at e-classroom, AIIMS Jodhpur.
3. Nominated by MoHFW for the “Hands-on Training on Diphtheria- Pertussis Laboratory techniques workshop”, held at CMC Vellore, under the aegis of the WHO VPD Surveillance Network, from 24<sup>th</sup> – 29<sup>th</sup> April 2023.

**Any other information:**

1. Quizmaster for the “ISHWMCON 2023 Quiz” on 4<sup>th</sup> November, during the National Conference of the Indian Society of Hospital Waste Management, ISHWAMCON 2023, organized by the Department of Hospital Administration & Department of Microbiology, AIIMS Jodhpur, held from 2<sup>nd</sup> -4<sup>th</sup> November 2023, at AIIMS Jodhpur
2. Judge for Oral Presentations on held on 1<sup>st</sup> October, during the 5<sup>th</sup> National Conference of Antimicrobial Stewardship practices in India, ASPICON 2023, organized by the Department of General Medicine and Department of Microbiology, AIIMS Jodhpur, held from 30<sup>th</sup> September – 1<sup>st</sup> October 2023, at AIIMS Jodhpur.

**Name of Faculty: Dr. Kumar S Abhishek**

**Designation: Assistant Professor**

**Sessions Chaired:**

1. Symposium-1, CME – Transform to fight against TB – Yes, We can end TB!, 3<sup>rd</sup> May 2023, AIIMS, Jodhpur.
2. Symposium on Anti-parasitic agents: Challenges & new drug in pipeline. 26<sup>th</sup> – 29<sup>th</sup> October 2023, AIIMS, Jodhpur
3. Moderator - Panel discussion on Parasitic infections and growth retardation. 26<sup>th</sup> – 29<sup>th</sup> October 2023, AIIMS, Jodhpur
4. Panelist – Panel discussion: Parasites with oncogenic potential and their management. 26<sup>th</sup> – 29<sup>th</sup> October 2023, AIIMS, Jodhpur
5. Oral presentation for faculty and students, ISHMCON-2023, 11<sup>th</sup> November 2023, AIIMS, Jodhpur.

**Invited Lectures:**

1. “Prevention of VAP”, CME- BMGF, 29<sup>th</sup> April 2023, AIIMS Jodhpur.
2. “Laboratory Procedure in blood specimen collection”. Integrated Bio-Behavioural Surveillance among PLHIV (IBBS-PLHIV) Sentinel Surveillance among HRG and Bridge population (HSS-Plus)” as Resource Person, 22<sup>nd</sup> – 24<sup>th</sup> November 2023, AIIMS Jodhpur.

**Symposium Speaker**

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1. "Role of Laboratory in Pandemic"- CME- International Lab Professionals Week, 24<sup>th</sup> – 29<sup>th</sup> April 2023, AIIMS Jodhpur.

#### **Resource Faculty:**

1. TROPACON-2023, Department of Microbiology, 26<sup>th</sup> – 29<sup>th</sup> October 2023, AIIMS, Jodhpur.
2. ISHWMCON-2023, Department of Hospital administration & Microbiology, 3<sup>rd</sup> – 4<sup>th</sup> November 2023, AIIMS, Jodhpur.
3. Integrated Bio-Behavioural Surveillance among PLHIV (IBBS-PLHIV) Sentinel Surveillance among HRG and Bridge population (HSS-Plus)" as Resource Person, 22<sup>nd</sup> – 24<sup>th</sup> November, AIIMS Jodhpur.
4. CME- International Lab Professionals Week, 24<sup>th</sup> – 29<sup>th</sup> April 2023, AIIMS Jodhpur.

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

1. Phenotypic and genotypic detection of extended-spectrum beta-lactamases (ESBL) producing multidrug resistant (MDR) and extensively drug resistant (XDR) typhoidal Salmonella isolated from blood culture among patients presenting to AIIMS, Jodhpur. (Funding: AIIMS Jodhpur)

##### **As Co-Investigator**

1. MISSION: A Multicentric Capacity Building Initiative to Strengthen the Clinical and Laboratory Detection of Melioidosis in India with special focus on the North Eastern States. (Funding: ICMR)
2. Molecular detection of rheumatogenic clusters of Streptococcus dysgalactiae subspecies Equisimilis (Group C,G) in India: Early prediction of Rheumatic heart disease - (Funding: ICMR)

##### **Completed:**

##### **As Principal Investigator**

1. Tug of war: Vulvovaginal candidiasis versus colonization among patients attending Dermatology OPD of a tertiary care hospital of Western Rajasthan.(Non-funded)

##### **As Co-Investigator**

1. Clinical profile of urethritis and cervicitis and molecular characterization of the causative organisms. (Funding: AIIMS, Jodhpur)

#### **Membership/Post in Journal or Society or Association**

1. *European Society of Clinical Microbiology and Infectious Diseases (ESCMID)* Life Membership

#### **National/ International Conferences attended:**

1. International Lab Professionals week - Lab professionals- The Heroes in the background: 24<sup>th</sup> - 29<sup>th</sup> April 2023
2. IDCON 2023, the 2<sup>nd</sup> Annual Infectious Diseases Conference: 6th May 2023
3. CME on Melioidosis: "Mission: A multi- centric capacity building initiative to strength the clinical and laboratory detection of melioidosis in India with special focus on the north eastern states" 5<sup>th</sup> August 2023

4. Converting Antibiotic susceptibility reports to effective prescriptions: an AIIMS JODHPUR-ICMR hands on workshop: 12<sup>th</sup> August 2023
5. "Authorship: Ethical Considerations": AIIMS-Jodhpur, 26th August.
6. IAMM-PG assembly 2023: West zone ; 12<sup>th</sup> -14<sup>th</sup> September.
7. ASPICON 2023, 5th National Conference & Workshop on Antimicrobial Stewardship in India: 29<sup>th</sup> September to 1<sup>st</sup> October
8. TROPACON 2023, 17th National Conference of Indian Academy of Tropical Parasitology: 26<sup>th</sup> – 29<sup>th</sup> October 2023
9. ISHWMCON 2023: 3<sup>rd</sup> – 4<sup>th</sup> November 2023.
10. Integrated Bio-Behavioural Surveillance among PLHIV (IBBS-PLHIV) Sentinel Surveillance among HRG and Bridge population (HSS-Plus)" as Resource Person, AIIMS Jodhpur. 22<sup>nd</sup> – 24<sup>th</sup> November 2023.
11. Training Session on "Mortality Surveillance Among People Living with HIV/AIDS". 14<sup>th</sup> – 18<sup>th</sup> August 2023, AIIMS, Jodhpur
12. CME- Viral Hepatitis, AIIMS, Rajkot, 28<sup>th</sup> July 2023
13. CME- BMGFF, AIIMS, Jodhpur 29<sup>th</sup> April 2023
14. IA & QMS Training 18<sup>th</sup> July - 21<sup>st</sup> July. AIIMS, Jodhpur
15. Workshop and Orientation- "Global Pneumococcal Sequencing project - phase 2," CMC, Vellore. 12<sup>th</sup> May 2023

**Name of Faculty: Dr. Kuntal Kumar Sinha**

**Designation: Assistant Professor**

**Paper Presented:**

1. "Laboratory profile and Serological testing in patients with amoebic liver abscess- a study from a tertiary care centre of Western Rajasthan" in MAHATROPACON-2024 [1st Conference of The Indian Academy of Tropical Parasitology (Maharashtra Chapter)] at AIIMS-Nagpur, Maharashtra.

**Sessions Chaired:**

1. Symposium on "Cutaneous Parasitic infections" in TROPACON 2023 in AIIMS-Jodhpur.
2. Judge for the session of oral paper presentation by faculty and students in ISHWMCON 2023 (International Conference on Biomedical Waste, Related Hospital Associated Infections and Immunization Waste Management): 3-4 November; in AIIMS-Jodhpur.

**Resource Faculty:**

1. CME on Tuberculosis: 3<sup>rd</sup> May 2023; AIIMS, Jodhpur.
2. Converting Antibiotic susceptibility reports to effective prescriptions: an AIIMS Jodhpur-ICMR hands on workshop: 12<sup>th</sup> August 2023; AIIMS, Jodhpur.
3. IAMM-PG assembly 2023: West zone; 12-14<sup>th</sup> September; AIIMS, Jodhpur.
4. ASPICON 2023, 5<sup>th</sup> National Conference & Workshop on Antimicrobial Stewardship in India: 29<sup>th</sup> September to 1<sup>st</sup> October 2023; AIIMS, Jodhpur.

**Research Project:**

**Ongoing:**



**As Principal Investigator:**

1. Detection of High Level of gentamicin resistance (HLGR) among urinary isolates of Enterococcus; Funded by: AIIMS-Jodhpur Intramural grant.

**Completed:****As Co-Investigator:**

1. Tug of war: Vulvovaginal candidiasis versus colonization among patients attending Dermatology OPD of a tertiary care hospital of Western Rajasthan. (Non-funded)

**Examinership:**

1. Internal examiner of Microbiology for 1<sup>st</sup> professional examination Bsc. MLT & Bsc. Perfusion technology; **AIIMS, Jodhpur.**
2. Internal examiner of Microbiology for 1<sup>st</sup> Professional Supplementary Examination Bsc. MLT & Bsc. Perfusion technology; **AIIMS, Jodhpur.**

**Membership/Post in Journal or Society or Association**

1. Global Outreach - Contributing Member of the American Society for Microbiology, 2023.
2. Life member of the Epidemiology Foundation of India, 2024.

**National/ International Conferences attended:**

1. IDCON-2023, 1st Annual conference of Infectious Diseases Academic Activities; AIIMS, Jodhpur, 6<sup>th</sup> May 2023; AIIMS, Jodhpur.
2. ASPICON 2023, 5<sup>th</sup> National Conference & Workshop on Antimicrobial Stewardship in India: 29<sup>th</sup> September to 1<sup>st</sup> October 2023; AIIMS, Jodhpur.
3. TROPACON 2023, 17<sup>th</sup> National Conference of Indian Academy of Tropical Parasitology: 26 - 29 October 2023; AIIMS, Jodhpur.
4. ISHWMCN 2023 (International Conference on Biomedical Waste, Related Hospital Associated Infections and Immunization Waste Management): 3-4 November 2023; AIIMS, Jodhpur.
5. MAHATROPACON-2024 [1st Conference of Indian Academy of Tropical Parasitology -Maharashtra Chapter] 13-14 January 2024 at AIIMS-Nagpur, Maharashtra.

## Department of Neonatology

S.No.	Name	Designation
1.	Dr. Arun Kumarendu Singh	Professor & Head
2.	Dr. Neeraj Gupta	Professor
3.	Dr. Sushil Choudhary	Assistant Professor

### About the Department

The Department of Neonatology is continually providing high-quality neonatal services right from its early years of inception, and the department is running the DM (Neonatology) course successfully. Our philosophy now goes from survival to cognitive survival. We have started to keep the mothers and sick newborns together to improve cognition and to provide developmentally supportive care. We have three faculty members in the department. We now have a 30-bed NICU, which includes a mother-newborn ICU & isolation room. The department delivers 24-hour resuscitation, delivery room, and inpatient and outpatient care. The Department of Neonatology has a well-equipped neonatal intensive care unit (NICU), a postnatal ward, and a follow-up clinic for high-risk infants to ensure the post-discharge continuum of care. The department has established a Model Early Intervention Centre (MEIC). Early intervention centers improve the overall quality of life of children by preventing them from having a disability. It helps children achieve their full potential and provides comprehensive care to all the children in the community. This unique center also works as a training center for the rest of the Rajasthan State. This EIC will act as a catalyst in improving the care of children with birth defects, developmental delay, and disability across the nation. The department has started comprehensive newborn screening for all newborns born at our institute. Which include visible birth defects, functional screening (CCHD, eye & hearing), metabolic (thyroid) & neurological screening. We have completed hearing screening for 4700 neonates, vision screening for 4300 neonates, and cardiac ECG screening for 3600 neonates. We have provided pediatric dental services to 1700 children, speech and language therapy to 800 children, and occupation therapy and physiotherapy to 2100 children in the last 1 year.

The department has established a Comprehensive Lactation Management Centre (CLMC). CLMC plays an essential role in neonatal care by improving feeding practices and providing human milk to infants who would otherwise not be able to receive human milk for various reasons. In the last year, 24000 times, mothers were helped with milk expression and lactation support. In the last year, the department delivered services to approximately 3500 neonates. Around 650 neonates were admitted to the NICU. Neonatal mortality is 5.9 % in our admitted patients. Approximately 1200 infants attended the 'high-risk clinic' during the same time period. Most of the time (>90%), our NICU is running with a 100% bed occupancy rate. This is the referral center for western Rajasthan, which receives sicker babies who require advanced neonatal care and complicated babies who require extensive evaluation and sophisticated investigations.

### Compiled list of Publications of the department

#### Pubmed Indexed:

1. Bhardwaj NK, Sasidharan R, Toteja N, et al. Implementing the practice of early skin-to-skin contact among infants  $\geq 35$  weeks gestation born vaginally: a quality improvement study. BMJ Open Qual. 2024 Apr 8;13(Suppl 1):e002408.

2. Raj Kumawat S, Vyas H, Mohan R, Sasidharan R, Yadav B, Gupta N. 90 versus 60 min of early skin-to-skin contact on exclusive breastfeeding rate in healthy infants'  $\geq 35$  weeks: A randomised controlled trial. *Acta Paediatr.* 2024 Feb;113(2):199-205.
3. Mohanasundari SK, Thanigainathan S, Gadapalli R, et al. Exploratory study to assess the functional capacity, safety and ability to isolate novel COVID-19 of a novel self-administrative nasopharyngeal wash specimen collecting device *BMJ Innovations* Published Online First: 10 January, 2024 doi: 10.1136/bmjinnov-2023-001122
4. Lokwani P, Gupta N, Choudhary SK, Singh AK. Noise survey of neonatal intensive care unit at a government tertiary-care centre. *J Neonatal Perinatal Med.* 2023;16(4):619-625. doi: 10.3233/NPM-230031. PMID: 38043020.
5. Kaur R, Choudhary SK, Singh A, Gupta N. Neonatal hypocalcaemic seizures unmasking asymptomatic maternal primary hyperparathyroidism. *BMJ Case Rep.* 2024 Feb 15;17(2):e258134.
6. Shrimali T, Malhotra S, Relhan N, Tak V, Choudhary SK, Gupta N, Singh AK. *Streptococcus parasanguinis* An emerging pathogen causing neonatal endocarditis: A case report. *Access Microbiol.* 2023 Jun 29;5(6).

#### Non-Pubmed Indexed:

1. Choudhary D, Sharma C, Choudhary SK, Bhandari S. The Course, Prognosis, and Hand-Holding of Parents in Nonimmune Hydrops Fetalis—A Case Report with a Brief Review. *Journal of Fetal Medicine.* 2023 May 12.

#### Eminent Visitors:

1. Dr Sushma Goyal, Consultant Paediatric Clinical Neurophysiologist, Evelina London Children's Hospital, London
2. Dr. R Krishna Kumar, Clinical Professor and Head, Paediatric Cardiology, Amrita Hospital Kochi

#### Workshops Organized

1. Neonatal EEG Workshop – (26<sup>th</sup> -29<sup>th</sup> Feb 2024). Resource Faculty were Dr Sushma Goyal, Consultant Paediatric Clinical Neurophysiologist, Evelina London Children's Hospital, London; Emma Dean, Senior Clinical Physiologist NHS UK; Shinthu Thakur, Clinical Physiologist Evelina London Children's Hospital. Sessions in workshop were as Hands-on workshop- measuring on the dummy head; EEGs on term and preterm neonates; How to read a Neonatal EEG?; Practical difficulties and solutions and case-based discussions; Technical challenges and artifacts in neonatal EEG and Case based discussion

The workshop was well-organized and very informative. From the basics of recording a proper neonatal EEG to detailed discussions on neonatal seizures, Dr. Sushma Goyal and the team very lucidly explained their respective topics and patiently cleared our doubts. The hands-on demonstrations on how to properly apply an EEG electrode were very helpful. The workshop has indeed sensitized us to the numerous prospects in this field.



Participants and national and international resource faculty during workshop



Souvenir presentation to resource faculty

**Name of Faculty: Dr. Arun Kumarendu Singh**

**Designation: Professor & HOD**

**Invited Lectures**

1. Invited as a Resource person in the 2<sup>nd</sup> Meeting of the Society of Pediatric Cardiac Critical Care (SPCCC-2023) August 26<sup>th</sup> -27<sup>th</sup> , 2023, APC, PGIMER, Chandigarh
2. Invite for Sensitization program on Child Health and Nutrition on the occasion of celebrating Rashtriya Poshan Maah 2023, 21<sup>st</sup> -22<sup>nd</sup> September 2023, Gairatganj, District Raisen, Madhya Pradesh
3. Invited to Kota Medical College for guest Lecture by Government of Rajasthan Dec 2023

4. Speaker at "Webinar on Global Summit on Neurology and Brain Disorders"

#### **Symposium Speaker:**

1. National Seminar on Early Identification, Intervention Strategies for Arbitration in Special Education at Mahatma Jyoti Rao Phoole University July 2023
2. Speaker at "5th Edition of Euro-Global conference on Pediatrics and Neonatology from August 28th - 30th 2023. The topic for the talk is "Role of Physiological cord clamping and its impact on Newborn."
3. Speaker at a webinar organized by ICMR-NICED on "Exploring the Spectrum: Neonatal Sepsis in Focus" on 29<sup>th</sup> February 2024. Delivered a talk on "Insight into Sepsis in Newborn: Where We Are and Where Are We Going"
4. Speaker at four-day capacity building program: Management Development Programme for Managers of RBSK and RKSK program for National Health Mission, Odisha, 20<sup>th</sup> -23<sup>rd</sup> Feb 2024, ASCI Hyderabad.

#### **Resource Faculty:**

1. Faculty for the National Level Neurodevelopmental Pediatrics Update for Pediatricians, Post-Graduate students and Therapists, 12<sup>th</sup> -14<sup>th</sup> Aug 2023.
2. Lecture on on IMPROVING PERINATAL CARE IN INDIA as an adjunct faculty at DY Patil University Pune.
3. Invitation as Resource Person to Bhubaneswar, Odisha for Functional linkages between SNCU and DEIC and Developmentally Supportive Care at SNCUs & Newborn outcomes in Midwifery practice at the Midwifery sensitization workshop, 22<sup>nd</sup> Feb 2024.
4. Invitation as a resource person for meeting with the concerned Ministries and Ambulance manufacturing companies to discuss neonatal ambulances equipped with advanced life support systems for infants at New Delhi on 26th April 2024.
5. Training at MCC, initiative of IIT Delhi, 10<sup>th</sup> -11<sup>th</sup> Jan 2024, New Delhi
6. State consultation workshop roadmap for combating anemia and malnutrition in Bihar (PATH) Patna.
7. 51st Scientific Advisory Committee (SAC) meeting of ICMR-NICED 19<sup>th</sup> February 2024.

#### **Examinership**

1. External Examiner (DM Neonatology) AIIMS Bhubaneswar, 8<sup>th</sup> and 9<sup>th</sup> November 2023
2. External Examiner (DM Neonatology) Dr. RML, New Delhi, 8<sup>th</sup> and 9<sup>th</sup> December 2023
3. External Examiner (DM Neonatology) AIIMS, New Delhi, 19<sup>th</sup> December 2023
4. Extern subject expert regarding personal Interview of various posts, AIIMS, Kalyani, 25<sup>th</sup> November 2023
5. Nomination of subject expert for selection of Faculties in the Department of Neonatology, AIIMS Bhubaneshwar, 3<sup>rd</sup> December 2023
6. Invitation as subject for Regular Faculty Interview- AIIMS Nagpur, 30<sup>th</sup> September

#### **Research Project:**

##### **Completed:**

##### **As Principal Investigator:**

1. "Mitochondrial dysfunction in children due to heat stress, a potential cause of acute encephalitis syndrome", AIIMS JODHPUR, ICMR.

2. Collaborating Institute: SK Medical College Hospital, Muzaffarpur, Institute of Genomics & Integrated Biology, New Delhi and IIT Delhi.

### **Membership/Post in Journal or Society or Association**

1. Member; Academic Subcommittee of All India Institute of Speech & Hearing, Mysuru for three years.
2. Member; SAC Members for ICMR-NICED, Kolkata.

### **National/ International Conferences attended:**

1. CURE India – 4th National Conference 3rd March 2024, New Delhi

### **Name of Faculty: Dr. Neeraj Gupta**

### **Designation: Professor**

### **Paper Presented**

1. Gupta N, Banerjee M, Singh P, Purohit A, Singh K, Sharma P, Singh Ak. Iron Status in Healthy Term Breastfed Infants in Early Infancy: A Prospective Cohort Study, Nutrition & Growth 2023, 30<sup>th</sup> March-1<sup>st</sup> April, 2023, London, UK (Poster- Accepted )
2. Kaur R, Gupta N, Singh AK, Singh P, Banerjee M. Physiological postnatal weight loss nomograms in exclusively breastfed healthy infants ( $\geq 36$  weeks) during initial birth hospitalization from semi-arid region, 61<sup>st</sup> national Conference of Indian Academy of Pediatrics (PEDICON 2024), 24<sup>th</sup> -28<sup>th</sup> Jan, 2024, Kochi, Kerala.
3. Agarwal RK, Jindal A, Bora R, Gupta N, Chawla D, Plakkal D, Sankar J, Jain K. Burden of multidrug-resistant neonatal sepsis in secondary level health facilities in India: A prospective multi-centric study On behalf of the Investigators of the District Hospital study. Pediatric Academic Society (PAS), May 2<sup>nd</sup> -6<sup>th</sup>, 2024, Toronto, Canada

### **Invited Lectures**

1. Delivered lecture on "Vitamin D supplementation- Routine or Selective" at 42<sup>nd</sup> Annual Convention of National Neonatology Forum -NEOCON 2023, Nov-23<sup>rd</sup> -26<sup>th</sup>, 2023 at Nagpur, India.
2. Delivered lecture on "Postnatal weight loss in healthy breastfed infants- Can we predict the nightmare?" at DESERT PEDICON (IYCNCON, HMBCON and RAJPEDICON 2023), 3<sup>rd</sup> -5<sup>th</sup> Nov, 2023, Jaisalmer, Rajasthan, India.
3. Delivered lecture on "Perinatal asphyxia: What all of us can do?" at 4<sup>th</sup> East Zone NEOCON, 22<sup>nd</sup> -24<sup>th</sup> Sep, 2023 at Dibrugarh, Assam, India.
4. Delivered lecture on "Quality Improvement: Step 2" and took stations in the Quality Improvement Workshop organized at 4<sup>th</sup> East Zone NEOCON, 22<sup>nd</sup> Sep 2023, Dibrugarh, Assam, India.
5. Delivered webinar on "Evidence-based Nutritional Guidelines for Neonatal Nutrition", organized by *National Board of Examinations in Medical Sciences (NBEMS) under "National Live Webinar Series" on 26<sup>th</sup> Oct 2023.*
6. Delivered lecture on "Feeding of preterm and LBW babies" under Comprehensive Nutrition Module (CNM) Workshop held on 22<sup>nd</sup> Oct 2023, Jaipur, Rajasthan, India.
7. Delivered web lecture on "Postnatal weight loss pattern and it's complications in Indian neonates- Evidence from own unit", organized by Department of Neonatology, AIIMS, Bibinagar on 5th Aug, 2023.

8. Delivered talk on “Neonatal Care in Golden Hours of Life”, organized by College of Nursing, AIIMS, Jodhpur on 21<sup>st</sup> Nov, 2023
9. Participated as one of the panelists in the web panel discussion on “Improving Breastmilk Feeding in NICU”, organized under IAP Infant & Young Child Feeding Chapter on 29<sup>th</sup> Nov, 2023.

#### **Resource Faculty:**

1. Chaired session on “Neonatal AKI” in Annual Pediatric Kidney Meet 3<sup>rd</sup> IPNA endorsed at AIIMS, Jodhpur on 21<sup>st</sup> Jan 2024.
2. Member of the ‘Multidisciplinary Research Unit’ (MDRU) of Dr. S N Medical College, Jodhpur.
3. Appointed as one of the committee member by MOHFW, GOI to review the Facility Based Newborn Care (FBNC) module
4. Appointed as one of the committee member by MOHFW, GOI to review and modify the MusQan checklist
5. Invited as an expert to formulate Evidence Based Guidelines on ‘Pain in Newborn’ under NNF Clinical Practice Guidelines (CPG) guidelines.
6. Faculty for ‘ONTOP – Online Training Program in Neonatology’ being run by Department of Pediatrics, AIIMS, New Delhi

#### **Research Project:**

##### **As Principal Investigator**

1. Iron Status in Healthy Term Breastfed Infants in Early Infancy: A Prospective Cohort Study. By ICMR
2. Burden of multidrug-resistant neonatal sepsis in district hospital settings in India (as Site PI). By Bill & Melinda Gates Foundation
3. Emergence of XDR Gram-negative bacterial sepsis among neonates: A retrospective cohort study. Non-funded, intramural
4. Long term outcome of infants born to COVID-19 positive mothers: A Prospective Cohort Study’. iDrishti Hub, IIT Jodhpur

#### **Examinership**

1. Examiner by National Board of Examination for Practical Examination of DNB (Neonatology) Exit Examination held at St. John’s Medical College, Bengaluru, 4<sup>th</sup> -6<sup>th</sup> Sep 2023.
2. Was appointed as an examiner by University of Delhi, Faculty of Medical Sciences, New Delhi, India for taking DM (Neonatology) Exit Examination held from 13<sup>th</sup> -14<sup>th</sup> Dec, 2023 at Lady Harding Medical College, Delhi.
3. Evaluated thesis for MD (Pediatrics) and DM (Neonatology) from AIIMS, Delhi and PGI Chandigarh
4. Evaluated thesis for Fellowship in Neonatology for session 2023 by IAP Neonatology Chapter

#### **National/ International Conferences attended:**

1. Annual Pediatric Kidney Meet 3<sup>rd</sup> IPNA.
2. 42<sup>nd</sup> Annual Convention of National Neonatology Forum -NEOCON 2023
3. 4<sup>th</sup> East Zone NEOCON, Dibrugarh, Assam, 22-24<sup>th</sup> Sep, 2023
4. RAJPEDICON 2023) Jaisalmer, Rajasthan, 3<sup>rd</sup> -5<sup>th</sup> Nov, 2023

#### **Any Other Information:**



1. Award received by my student- Dr S.S Manchanda Neonatology Award – 2<sup>nd</sup> prize for the research work done under my guidance as Chief guide titled “Physiological postnatal weight loss nomograms in exclusively breastfed healthy infants (≥36 weeks) during initial birth hospitalization from semi-arid region” which was presented at 61<sup>st</sup> National Conference of Indian Academy of Pediatrics (PEDICON 2024), 24<sup>th</sup> -28<sup>th</sup> Jan, 2024, Kochi, Kerala.

**Name of Faculty: Dr. Sushil Choudhary**

**Designation: Assistant Professor**

**Papers presented**

1. Vogeti R, Choudhary SK, Singh AK, Gupta N, Tak V. Point of care vs Central lab BACTEC in decreasing antibiotic usage in NICU- A randomised controlled trial, 15th Dr. K.C. Chaudhuri Oration and Annual Day of IJP held in October 2023, AIIMS, Delhi.

**Resource Faculty:**

1. Management of Neonatal sepsis 42nd Annual National Conference of NNF "NEOCON 24<sup>th</sup> -27<sup>th</sup> Nov 2023, Nagpur
2. Fetal Growth Restriction .Society of Fetal Medicine 12<sup>th</sup> May 2023 Pali
3. Retinopathy of prematurity. Marwar Pediatric Society CME Jodhpur
4. Invited to give lecture on total parental nutrition Lecture at Dr SN Medical College Jodhpur

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. Metabolic bone disease and calcium homeostasis in very-low-birth-weight & Preterm (<32 weeks) infants: a prospective observational study
2. Role of serial blood cultures 24 hours apart in evaluating suspected neonatal sepsis.
3. Changes in Electrocardiographic parameters among preterm newborns at different postnatal ages till 40 weeks' postmenstrual age – A prospective observational study.”
4. A longitudinal follow-up of mortality, growth, neurodevelopmental outcome, and systemic morbidities in preterm infants (≤32weeks) or VLBW infants till one year of Corrected age -a prospective cohort study
5. Role of electrophysiological, neuroimaging and Clinical assessment in predicting the Neurodevelopmental outcome at 1 year of age in Very low birth weight neonates: a prospective Cohort study.

**As Co-Investigator**

1. Covid-19 vaccination in pregnancy the COVIP study.

**Scientific Awards/Patents**

1. Selected for IJP best DM thesis award 2023 (Dr. K C Chaudhary Foundation and Indian Journal of Pediatrics).



2. Best paper award at 5<sup>th</sup> national conference ASPICON 2023- Annual Conferences of – Society of Antimicrobial Stewardship Practices in India (Compare the antibiotic usage in neonates warranting antibiotics for suspected sepsis when the point of care BACTEC system has been used as compared to the central lab BACTEC system)

**Examination**

1. Appointed as external examiner to conduct the practical examination in Department of Pediatrics at Govt. Medical College, Pali

**National/ International Conferences attended:**

1. Annual Pediatric Kidney Meet 3<sup>rd</sup> IPNA, All India Institute of Medical Sciences, Jodhpur, Rajasthan, India

## Department of Nephrology

S.No.	Name	Designation
1	Dr. Manish Chaturvedy	Additional Professor & Head
2	Dr. Nitin Kumar Bajpai	Additional Professor
3	Dr. Rajesh Jhorawat	Associate Professor

### About the Department

Department of Nephrology, at AIIMS Jodhpur serves as a tertiary-care center for providing treatment related to Kidney diseases. It provides services covering the gamut of clinical Nephrology including treating OPD patients, Inpatients, critical care nephrology, acute kidney injury and patients of chronic kidney disease. At present department is performing all nephrology procedures such as kidney biopsies, central venous catheterization both temporary and tunneled, hemodialysis, continuous renal replacement therapies, peritoneal dialysis both acute and CAPD as well as AV Fistula surgery. It is a recognized teaching center after the start of DM course since July 2018. Department started live related Renal Transplantation since August, 2019 with 43 successful live renal transplants accomplished and one deceased donor transplantation. AIIMS Jodhpur is the primary center catering to renal transplant facility in Western Rajasthan.

### Compiled list of Publications of the department (Please ensure articles are not repeated):

#### Papers

##### Pubmed Indexed:

1. Chaturvedy M, Maurya SK, Bajpai NK, Jangid MK, Elhence P, Elhence A, Goel AD, Sharma PP, Jhorawat R. Relationship between biochemical parameters of mineral bone disease and static bone histomorphometry in chronic kidney disease patients on hemodialysis: An Indian cross sectional study. *Nephrologia* 2023. doi.org/10.1016/j.nefro.2023.03.007
2. Chhakhuak M, Chaturvedy M, Agarwal J, Tak V, Bajpai NK. Retrospective analysis of spectrum of infections and antibiotic resistance pattern in chronic kidney disease patients on maintenance hemodialysis in a tertiary care hospital in North India. *Indian J Nephrol* 2023;33:177-182.

##### Non Pub Med indexed

1. Chakraborty U, Chaturvedy M, Bajpai N, Jhorawat R, et al. B K Virus infection and it's management in renal transplantation: an update. *OBM Transplantation* 2023;7(3).
2. Soni A, Bajpayee A, Chaturvedy M, Jhorawat R, et al. Pregnancy related acute kidney injury: a narrative review. *Journal of Indira Gandhi Institute of Medical Sciences*;9(2):2023;119-22.

#### Papers Presented

1. Tapabrata Das, Manish Chaturvedy, Nitin Bajpai, Rajesh Jhorawat. Many faces of CNI toxicity got certificate of appreciation at Indian Society of Nephrology National Conference at Kolkata, 14-17 December 2023.

2. Uttayan Chakrabarti, Rajesh Jhorawat, Manish Chaturvedy, Nitin Bajpai. Relationship of crescents with clinico-histological parameters in lupus nephritis: A cross sectional study from western Rajasthan at Indian Society of Nephrology National Conference at Kolkata, 14-17 December 2023.
3. Uttayan Chakrabarti, Manish Chaturvedy, Nitin Bajpai, Rajesh Jhorawat. PGNMID and its varied presentation and clinical course at Indian Society of Nephrology National Conference at Kolkata, 14-17 December 2023.
4. Abhilasha Soni, Nitin Bajpai, Manish Chaturvedy, Rajesh Jhorawat. Post partum renal cortical necrosis: an unsolved conundrum. A case series at Indian Society of Nephrology National Conference at Kolkata, 14-17 December 2023.
5. Abhilasha Soni, Manish Chaturvedy, Nitin Bajpai, Rajesh Jhorawat. Late recurrence of focal segmental glomerulosclerosis after renal transplantation at North Zone Indian Society of Nephrology Conference at Chandigarh, 23-25 February, 2024.

**Name of Faculty: Dr. Manish Chaturvedy**

**Designation: Additional Professor and Head**

#### **Books/Chapters**

1. Chaturvedy M. Acute Interstitial Nephritis. Point of Care Clinical Reviews-Clinical Key Now. Gupta A, Prasad N(Ed.), Elsevier, March 2023. Revised and updated 2024

#### **Papers Presented:**

1. Das T, Chaturvedy M, Bajpai N, Jhorawat R. Many faces of CNL toxicity got certificate of appreciation. Indian Society of Nephrology National Conference, 14<sup>th</sup>-17<sup>th</sup> December 2023, Kolkata.
2. Chakrabarti U, Jhorawat R, Chaturvedy M, Bajpai N. Relationship of crescents with clinico-histological parameters in lupus nephritis: A cross sectional study from western Rajasthan. Indian Society of Nephrology National Conference, 14<sup>th</sup>-17<sup>th</sup> December 2023, Kolkata.
3. Chakrabarti U, Jhorawat R, Chaturvedy M, Bajpai N, Jhorawat R. PGNMID and its varied presentation and clinical course at Indian Society of Nephrology National Conference, 14<sup>th</sup>-17<sup>th</sup> December 2023, Kolkata.
4. Soni A, Bajpai N, Chaturvedy M, Jhorawat R. Post partum renal cortical necrosis: an unsolved conundrum. A case series at Indian Society of Nephrology National Conference, 14<sup>th</sup>-17<sup>th</sup> December 2023, Kolkata.
5. Soni A, Chaturvedy M, Bajpai N, Jhorawat R. Late recurrence of focal segmental glomerulosclerosis after renal transplantation, North Zone Indian Society of Nephrology Conference, 23<sup>rd</sup>-25<sup>th</sup> February 2024, Chandigarh.

#### **Invited Lectures**

1. Palliative care in CKD-5. 53<sup>rd</sup> Annual Conference of Indian Society of Nephrology, 14<sup>th</sup>-17<sup>th</sup> December 2023, Kolkata.
2. Nephrotic Syndrome. ISRTP National Conference, 22<sup>nd</sup> February 2024, AIIMS, Jodhpur.

#### **Symposium**

1. Organ donation awareness programme at IIT, Jodhpur.

**Research Project:**

**Ongoing:**

**As Co-Investigator**

1. Characterization of amyloidosis in diagnostic services using western blot technique and immunogold electron microscopy – Department of Pathology. Funding from Science and Engineering Research Board (SERB)
2. Effect of prefilter fatty acid infusion on clearance of protein bound uremic toxin in Stage 3 AKI patients during Hemodialysis and its impact on renal recovery.

**Examinership**

1. External Examiner for DM Nephrology Exam at AIIMS, Raipur August, 2023.
2. External Member in Nephrology, Board of Studies, AIIMS, Bhatinda.

**Membership/Post in Journal or Society or Association**

1. Member; International Society of Nephrology
2. Member; Indian Society of Nephrology
3. Executive Editor; Journal of The Indian Academy of Geriatrics
4. Member; Indian Association of Geriatrics
5. Member; Association of Physicians of India
6. Member; American Society of Nephrology

**National/ International Conferences attended:**

1. Indian Society of Nephrology Conference (ISNCON 2023) organized by Indian Society of Nephrology, Kolkata, 14<sup>th</sup>-17<sup>th</sup> December 2023.
2. Indian Society of Renal and Transplant Pathology, AIIMS Jodhpur, February 2024
3. Third Annual Pediatric Kidney Meet Workshop cum CME, AIIMS Jodhpur. 20<sup>th</sup>-21<sup>st</sup> January 2024

**Name of Faculty: Dr. Nitin Kumar Bajpai**

**Designation: Additional Professor**

**Papers Presented:**

1. Das T, Chaturvedy M, Bajpai N, Jhorawat R. Many faces of CNI toxicity got certificate of appreciation. Indian Society of Nephrology National Conference, 14<sup>th</sup>-17<sup>th</sup> December 2023, Kolkata.
2. Chakrabarti U, Jhorawat R, Chaturvedy M, Bajpai N. Relationship of crescents with clinico-histological parameters in lupus nephritis: A cross sectional study from western Rajasthan. Indian Society of Nephrology National Conference, 14<sup>th</sup>-17<sup>th</sup> December 2023, Kolkata.
3. Chakrabarti U, Jhorawat R, Chaturvedy M, Bajpai N, Jhorawat R. PGNMID and its varied presentation and clinical course at Indian Society of Nephrology National Conference, 14<sup>th</sup>-17<sup>th</sup> December 2023, Kolkata.
4. Soni A, Bajpai N, Chaturvedy M, Jhorawat R. Post partum renal cortical necrosis: an unsolved conundrum. A case series at Indian Society of Nephrology National Conference, 14<sup>th</sup>-17<sup>th</sup> December 2023, Kolkata.

5. Soni A, Chaturvedy M, Bajpai N, Jhorawat R. Late recurrence of focal segmental glomerulosclerosis after renal transplantation, North Zone Indian Society of Nephrology Conference, 23<sup>rd</sup>-25<sup>th</sup> February 2024, Chandigarh.

### **Examinership**

1. External Examiner for Nephrology Practical Exam at AIIMS, Rishikesh.

### **Membership/Post in Journal or Society or Association**

1. Member; International Society of Nephrology.
2. Member; American Society of Nephrology.
3. Member; European Renal Association.
4. Member; Indian Society of Nephrology.
5. Member; Indian Society of Organ Transplantation.
6. Member; Indian Society of Peritoneal Dialysis.

### **National/ International Conferences attended:**

1. Indian Society of Nephrology Conference (ISNCON 2023) organized by Indian Society of Nephrology, Kolkata, 14<sup>th</sup> -17<sup>th</sup> December 2023.

**Name of Faculty: Dr. Rajesh Jhorawat**

**Designation: Associate Professor**

### **Papers Presented:**

1. Das T, Chaturvedy M, Bajpai N, Jhorawat R. Many faces of CNI toxicity got certificate of appreciation. Indian Society of Nephrology National Conference, 14<sup>th</sup> -17<sup>th</sup> December 2023, Kolkata.
2. Chakrabarti U, Jhorawat R, Chaturvedy M, Bajpai N. Relationship of crescents with clinico-histological parameters in lupus nephritis: A cross sectional study from western Rajasthan. Indian Society of Nephrology National Conference, 14<sup>th</sup> -17<sup>th</sup> December 2023, Kolkata.
3. Chakrabarti U, Jhorawat R, Chaturvedy M, Bajpai N, Jhorawat R. PGNMID and its varied presentation and clinical course at Indian Society of Nephrology National Conference, 14<sup>th</sup> -17<sup>th</sup> December 2023, Kolkata.
4. Soni A, Bajpai N, Chaturvedy M, Jhorawat R. Post partum renal cortical necrosis: an unsolved conundrum. A case series at Indian Society of Nephrology National Conference, 14<sup>th</sup> -17<sup>th</sup> December 2023, Kolkata.
5. Soni A, Chaturvedy M, Bajpai N, Jhorawat R. Late recurrence of focal segmental glomerulosclerosis after renal transplantation, North Zone Indian Society of Nephrology Conference, 23<sup>rd</sup>-25<sup>th</sup> February 2024, Chandigarh.

### **Sessions Chaired:**

1. Optimizing Antibiotic therapy in transplant settings -Impact of AMS. ASPICON 2023, 29<sup>th</sup> Sept- 1<sup>st</sup> Oct 2023, Jodhpur
2. Microvascular inflammation in renal transplant. ISRTPCON 2024, 22<sup>nd</sup> -25<sup>th</sup> Feb 2024, AIIMS Jodhpur

### **Invited Lectures**

1. Future aspects in CKD-MBD treatment. National Level conference RRT update-2023, New Delhi
2. Approach to Glomerulonephritis. Third Annual Pediatric Kidney Meet Workshop cum CME, AIIMS Jodhpur. 20<sup>th</sup>-21<sup>st</sup> January 2024
3. Clinician's perspective of Monoclonal Renal Disorders. ISRTPCON 2024, 22<sup>nd</sup> -25<sup>th</sup> Feb 2024, AIIMS Jodhpur
2. As Panelist in National level Nephrology update, April 2023, Ahmedabad
3. Peritoneal Dialysis In Chronic Liver Disease, International Conference APCM-ISPD 2023, 22<sup>nd</sup> -24<sup>th</sup> Sept 2023, New Delhi

### **Research Project:**

#### **Ongoing:**

#### **As Principal investigator**

1. Effect of prefilter fatty acid infusion on clearance of protein bound uremic toxin in Stage 3 AKI patients during Hemodialysis and its impact on renal recovery. Extra-mural Funded
2. Effect of Dehydration and Malnutrition on Renal Oxidative Stress and Fibrosis in Male Wistar Rat. Intra-Mural Funded
3. Relationship of crescent with clinic-pathological parameters in Lupus Nephritis Non-funded

#### **As Co-PI**

1. Clinical Spectrum and Feto-maternal Outcomes in Pregnancy-Related Acute Kidney Injury: A Nationwide Study. Multicenter-Non-funded

### **Membership/Post in Journal or Society or Association**

1. Member; Indian Society of Nephrology
2. Member; Indian Society of Organ Transplantation
3. Member; European Renal Association
4. Member; American Society of Nephrology
5. Member; Association of Physicians of India

### **National/ International Conferences attended:**

1. National Level conference RRT update-2023, New Delhi
2. International Conference APCM-ISPD 2023, 22<sup>nd</sup> -24<sup>th</sup> Sept 2023, New Delhi
3. National level Nephrology update at Ahmedabad, April 2023

## Department of Neurology

S.No.	Name	Designation
1.	Dr. Samhita Panda	Professor and Head
2.	Dr. Sucharita Anand	Assistant Professor (resigned on 29 <sup>th</sup> May 2024)
3.	Dr. Anka Arora	Assistant Professor (on Contract) (resigned on 17 <sup>th</sup> February 2024)

### About The Department

The year saw further growth of the Department in terms of academics, services and patient outreach. Two more candidates were inducted into DM course in July 2022 and January 2023 each and our third and fourth batch of senior residents (Batch July 2020 and January 2021) completed their DM course successfully. Regular academics including seminars, journal clubs, bedside presentations, practice parameter/approach sessions, neuroradiology sessions, neuropathology, neuropsychiatry and neurology-neurosurgery grand rounds were held regularly.

The outpatient and in-patient services were significantly increased with total 21267 patients seen in OPD (including teleneurology consultations). Around 1046 patients were admitted in wards. Of 330 managed in Neurology ICU, mortality was 18.7%. Total of 645 stroke patients were managed under Neurology alone of which 71 received intravenous thrombolysis, 25 underwent mechanical thrombectomy as adjunct procedure and 32 emergency decompressive craniectomies as lifesaving procedure. The Comprehensive Epilepsy Surgery Program at AIIMS, Jodhpur led by our department has completed 50 surgeries since inception with 26 surgeries in the year 2023-24. While 110 patients were seen in the monthly Movement disorder clinic, 52 received Botulinum toxin injections. The patients were recruited and followed up in monthly Demyelinating disorder clinic as well as in National MS registry as well as difficult to treat patients with epilepsy in the monthly Epilepsy Clinic. Electrophysiology services have further expanded with services to both outpatients and inpatients amounting to 3813 tests. Upto 31st March 2024, 1655 EEGs, 1151 nerve conduction studies, 218 electromyography studies, 548 evoked potential studies and 38 repetitive nerve stimulation including 343 bedside EEGs and 38 bedside nerve conduction studies. Continuous long term EEG monitoring was done for 22 patients for periods varying from 3-10 days. A new test for cognitive function, P300 event related potential was started for patients with suspected cognitive dysfunction and 110 studies were done. Presurgical workup for drug resistant epilepsy included 46 video EEGs. Intraoperative electrocorticography done in 25 patients. The Neurology department continued its multidisciplinary patient evaluations involving other departments for special investigations such as neuroimaging including CT head, CT angiography, CT perfusion, MRI brain and spine, DSM and DSA (department of Diagnostic and Interventional Radiology), biopsies of nerve, muscle, brain tissue, and skin (department of Pathology) and SPECT and PET scans (department of Nuclear Medicine).

Among other new services and facilities made available during 2023, the surgical management for patients with movement disorders such as Parkinson's disease and dystonia was initiated in the department of Neurology with presurgical evaluation and post-surgical care. Repetitive Transcranial magnetic stimulation was initiated for movement disorders amongst other indications. A dedicated Epilepsy Monitoring unit under the department of Neurology at AIIMS Jodhpur was inaugurated by the Executive Director Prof. Dr. Goverdhan Dutt Puri, AIIMS Jodhpur, on 31st March 2024. This unit is now

equipped with a state-of-the-art 256 channel video EEG system which will be used for planning of placement of intracranial and stereo EEG electrodes and subsequent intracranial video EEG monitoring to correctly delineate the site of onset of seizures. This will allow the team to expand its services for the management of “difficult to treat epilepsies” which needs phase 2 assessment using invasive monitoring with intracranial electrodes and stereo EEG and will be useful for patients who do not have a clearly defined focus on non-invasive pre-surgical evaluation such as with discordant data, multiple areas of involvement and lesions close to functionally eloquent brain regions. This new equipment will be a boon to the Comprehensive Epilepsy Care program at AIIMS Jodhpur as it will add a new dimension to the management of difficulties that occur while treating epilepsies. Various outreach activities were also conducted during this period. On 29th October 2023, a Stroke Awareness Program was conducted by the Department of Neurology on the occasion of World Stroke Day. “TOGETHER WE ARE# GREATER THAN STROKE”. It included a nukkad natak, awareness lectures, distribution of stroke awareness pamphlets, showing videos regarding stroke and patient interactions.

On the 9th of November 2023, the department of Neurology participated in an outreach program organized by the department of Community and family medicine. Faculty members Dr Anka Arora and Dr Sucharita Anand along with Senior resident Dr Khetaram visited the Kansariya Group of industries in Basni industrial area to conduct a screening camp for industrial workers. A total of 150 workers including men and women of working-age group were questioned regarding common symptoms of neurological illnesses like headache, neck pain, backache, numbness, weakness, tremors and seizures.

On 17th November 2023, a doctor-patient interaction was held to spread awareness regarding Epilepsy and stigma and free medications and educational materials were distributed on the occasion of National Epilepsy Day.

## **Publications:**

### **Pubmed Indexed:**

1. Panda S, Patel A, Vegda M, Tiwari S. Post COVID vaccination combined central and peripheral demyelination- case series and review. J Clin Images Med Case Rep. 2023; 4(4): 2385. DOI: [www.doi.org/10.52768/2766-7820/2385](http://www.doi.org/10.52768/2766-7820/2385)
2. Saini L, Krishna D, Gunasekaran PK, Tiwari S, Kumar P, Goyal JP, Khera D, Choudhary B, Didel S, Gaur R, Laxmi V, Panda S, Singh K. Clinical Profile, Follow-up and Role of Neuroimaging in Pediatric Guillain-Barré Syndrome in the COVID Era: An Ambispective Study. J Child Neurol. 2023 May;38(6-7):407-413. doi: 10.1177/08830738231184089.
3. Agrawal N, Arora A, Tiwari S, Nalwa A, Bairwa SK, Taywade S, Panda S. Chronic acquired polyneuropathy as presentation of skull based solitary bone plasmacytoma. J Clin Images Med Case Rep. 2023; 4(10): 2654.
4. Jain S, Panda S, Garg M. Sociodemographic Determinants of Epilepsy and Treatment Seeking Behavior Among Patients with Epilepsy in Western India- a hospital-based study from Western India. Epilepsy and Behavior. 2023;145:109345.
5. Kanth RK, Agrawal N, Patel P, Arora A, Chaturvedy M, Tiwari S, Aggarwal D, Panda S. Sensory ataxic polyneuropathy unmasking late-onset urea cycle defect. Clin Neurol Neurosurg. 2024;240:108260. <https://doi.org/10.1016/j.clineuro.2024.108260>
6. Salunkhe M, Halder P, Bhatia R, Prasad D, Gupta S, Srivastava MVP, Bhoi S, Jha M, Samal P, Panda S, Malik R. IMPETUS Stroke: Assessment of hospital infrastructure and workflow for implementation of uniform stroke care pathway in India. International Journal of Stroke. 2023;1-8. DOI: 10.1177/17474930231189395



7. Mahal S, Yadav T, Panda S, Garg PK, Khera PS, Tiwari S. Multimodality imaging in cerebral venous thrombosis: a synopsis for emergency radiologist. Japanese Journal of Radiology. 2024;Jan 12. <https://doi.org/10.1007/s11604-023-01522-y>
8. Patel M, Mittal AK, Joshi V, Agrawal M, Varthya SB, Saini L, Saravanan A, Anil A, Rajial T, Panda S, Bhaskar S, Tiwari S, Singh K. Evaluation of utility of Invasive Electroencephalography for definitive surgery in patients with Drug-Resistant epilepsy: A Systematic Review and Meta-analysis. World Neurosurgery. <https://doi.org/10.1016/j.wneu.2024.04.079>

#### **Non-Pubmed Indexed:**

1. Awasthi A, Bhaskar S, **Panda S**, Roy S. A review of brain injury at multiple time scales and its clinicopathological correlation through in silico modelling. Brain Metaphysics. 2024; Jan 20:100090. <https://doi.org/10.1016/j.brain.2024.100090>.

#### **Workshops/ Conferences Organized**

1. Advisor for Acute Neuro Care 2023 workshop, at AIIMS Jodhpur, 6<sup>th</sup>-7<sup>th</sup> May 2023.
2. President for Mid-term CME 2023 of Indian Society for Stereotactic and Functional Neurosurgery on 11<sup>th</sup>-12<sup>th</sup> August 2023.

**Name of Faculty: Dr. Samhita Panda**

**Designation: Professor and Head**

#### **Sessions Chaired:**

1. Chairperson for session 'Optimizing care for CNS infections: Practical approach and evidence-based strategies'. IDCON 2023, 6<sup>th</sup> May 2023, AIIMS Jodhpur.
2. Resource faculty and chairperson for hands-on session on 'Status Epilepticus'. Acute Neuro Care 2023, 6<sup>th</sup>-7<sup>th</sup> May 2023, AIIMS Jodhpur.

#### **Invited Lectures:**

1. 'Deciphering EEG codes of Brain function'. Workshop on the theme of 'Understanding brain using electrophysiology, imaging and stimulation', Centre for Brain Sciences and Applications, School for AI and Data Science, IIT Jodhpur, 2<sup>nd</sup> -6<sup>th</sup> July 2023, Jodhpur

#### **Symposium Speaker:**

1. 'EEG in generalized epilepsies and epileptic encephalopathies'. ECON 2023 Preconference "Hands-on Interactive EEG Workshop", Mahatma Gandhi Medical College and Hospital, 20<sup>th</sup> July 2023, Jaipur.
2. 'Post Traumatic Headache and Seizures'. IAPMR Mid-term CME 2023, AIIMS Jodhpur, 16<sup>th</sup> September 2023 (14-17<sup>th</sup> September 2023), Jodhpur

#### **Research Projects:**

**Ongoing:**

**As Principal Investigator**

1. HTA of National Stroke Care Registry Programme - Development of Hospital Based Stroke Registries (HBSR) in different regions of India
2. Indian Multiple Sclerosis And Allied Demyelinating Disorders Registry And Research Network
3. IMPETUStroke: IMPlimentation of an Evaluation and Treatment Package for Uniform Stroke Care and outcomes in the Medical Colleges in India. An Implementation Research Study.
4. Impact of COVID 19 on the frequency, spectrum and outcomes of Guillain-Barré Syndrome in India: A Multicenter Ambispective Cohort study

#### **As Co-Investigator:**

1. Clinical, laboratory and radiological characteristics of the spectrum of meningoencephalitis in a tertiary care hospital in western Rajasthan.
2. Clinical assessment of bladder dysfunction in patients with neurological disorders- A prospective observational study.
3. Evaluation of Non contrast Computed Tomography Markers for predicting hematoma expansion in non-traumatic spontaneous intracerebral hemorrhage.
4. A comparative study of functional outcome of acute cerebrovascular disease in relation to hyponatremia.
5. Perioperative course of patients with pre-existing neurological disorder undergoing anaesthesia for non-neurological surgery: A prospective observational study.
6. Predictors of outcome in critically ill patients with stroke: A prospective observational study.
7. Assessment Of Non-Motor Symptoms In Motor Neuron Disease- A questionnaire based, case control study
8. Correlation of multiphase CT angiography with final infarct volume in acute ischemic stroke.
9. Comparison of diagnostic quality of 3D T2-Weighted SPACE Imaging Versus a Standard 2D Protocol for evaluation of degenerative lumbar spine disease at 3.0 Tesla.
10. Effect Of Acute Setting Rehabilitation On Diaphragm & Vocal Cord Dysfunction In Persons With Acute Stroke- 'An Ultrasonographic Single Arm Study.
11. Level of functional independence in post-stroke patients: a cross-sectional study.
12. Therapeutic Plasma Exchange in Neurological Disorders: A Tertiary Care Blood Center Experience from North India.
13. Sentinel Surveillance for Adverse Events of Special Interest (AESI) following COVID-19 vaccination in India.
14. The clinical utility of rapid molecular identification of aetiology in central nervous system infections.
15. Evoked potential changes in patients with parkinsonism and association with postural instability - an observational study.
16. Correlation of cognitive function in post covid-19 patients with electrophysiological test (p300) and magnetic resonance imaging.
17. Migraine specific quality of life and disability among patients with migraine: A Cross-Sectional Study.
18. Assessment of cardiac autonomic functions in patients with epilepsy on anti-seizure medications.
19. Role of Decompressive Hemicraniectomy for Malignant MCA infarct : A Prospective Observational Study.
20. Role of dual energy computed tomography brain in differentiation of cerebral hemorrhage and contrast extravasation post neurointerventions: an observational study.

21. Evaluation of the angioarchitectural features of Brain arteriovenous malformations on Digital Subtraction Angiography: An observational study.

#### **Completed:**

##### **As Co-Investigator**

1. Electroencephalographic Analysis in Migraine clinical phenotypes
2. Surveillance of scrub typhus infection by serological and molecular testing by DHR- virus diagnostic laboratories across the country
3. Telemedicine use to improve access, cost and quality of primary & secondary care of tribal people of AbuRoad tehsil of district Sirohi, Rajasthan: a hybrid type 2 effectiveness- implementation study (TIER study group)
4. Quantitative sensory testing of allodynia in migraine: Its association with endogenous sex hormones & TRPV1 expression
5. Optical coherence tomography profile in patients of central immune mediated demyelinating diseases.
6. Clinical, electro-physiological and serological markers in patients with Guillain-Barré syndrome.
7. Cardiac abnormalities in refractory status epilepticus- A prospective observational study.
8. Correlation of hemodynamic changes by transcranial doppler with functional outcome in acute primary ischemic stroke patients.

#### **Examinership:**

1. External Examiner of D.M. Neurology final examinations for AIIMS Delhi (Practical) May 2023
2. External Examiner of PhD external examiner for IIT Jodhpur, July 2023
3. External Examiner of D.M. Neurology final examinations for SCTIMST Trivandrum ( Q-paper for Part 1 and 2) July 2023
4. External expert for Neurology Department inspection of AIIMS Bibinagar, October 2023
5. External subject expert for faculty interview for Neurology Department at AIIMS Guwahati, December 2023
6. D.M. Neurology final examinations for SCTIMST Trivandrum ( Q-paper setting and assessment for Paper 1 Part 2) December 2023
7. D.M. Neurology final examinations for S.N. Medical College, December 2023
8. PhD External member of Assessment committee for IIT Jodhpur 2023-24
9. Thesis Evaluation for D.M. Neurology for KGMU, Lucknow, July 2023
10. Thesis Evaluation for D.M. Neurology for NIMHANS, Bengaluru, July 2023
11. Thesis Evaluation for D.M. Neurology for PGIMER, Chandigarh, December 2023
12. Thesis Evaluation for D.M. Neurology for AIIMS, Delhi, December 2023
13. Thesis Evaluation for D.M. Neurology for NIMHANS, Bengaluru, Jan 2024

#### **National/ International Conferences attended:**

1. IDCON 2023, Departments of Microbiology and Infectious diseases, AIIMS Jodhpur, 6<sup>th</sup> May 2023.
2. Acute Neuro Care 2023, Department of Anaesthesiology and Critical Care, AIIMS Jodhpur, 6<sup>th</sup>-7<sup>th</sup> May 2023.
3. Mid-term CME 2023 of Indian Society for Stereotactic and Functional Neurosurgery, AIIMS, Jodhpur, 11<sup>th</sup>-12<sup>th</sup> August 2023.

4. ECON 2023 Preconference “Hands-on Interactive EEG Workshop”, Indian Epilepsy Society, Mahatma Gandhi Medical College and Hospital, Jaipur, 20<sup>th</sup> July 2023.
5. IAPMR Mid-term CME 2023, Department of Physical Medicine and Rehabilitation, AIIMS, Jodhpur, 14<sup>th</sup>-17<sup>th</sup> September 2023.

**Any Other Information**

1. BoS member (external expert) for BoS Neurosciences for SCTIMST Trivandrum for 2024
2. Award selection committee member for Institute awards for SCTIMST Trivandrum for 2024

## Department of Neurosurgery

### Faculty members:

S. No.	Name	Designation
1	Dr. Deepak Kumar Jha	Professor
2	Dr. Suryanarayanan Bhaskar	Professor
3	Dr. Mayank Garg	Additional Professor
4	Dr. Jaskaran Singh Gosal	Associate Professor
5	Dr. Mohit Agrawal	Assistant Professor
6	Dr. Vikas Janu	Assistant Professor
7	Dr. Raghavendra Kumar Sharma	Assistant Professor

### About the Department:

The Department of Neurosurgery, AIIMS Jodhpur was established in June 2017, and has been growing by leaps and bounds every year. The department now has 7 faculty members and runs 3-year and 6-year MCh residency programmes with biennial admissions. The department also has a 1-year post-MCh fellowship programme in 'Cranio-vertebral junction and spine surgery'.

At present, the neurosurgery department has 2 well-equipped routine operating rooms and a 24-hour dedicated emergency neurosurgery operating room. These OR's have all necessary modern equipment and is well-equipped to facilitate all simple and complex neurosurgical procedures. In the inpatient department, neurosurgery has 24 beds in the ward and an 8-bed neurosurgical ICU. This year, we acquired Portable CT machine (OmniTom Elite, Schiller Inc.) for use in neurosurgery ICU and OR. This will facilitate prompt CT scan imaging in sick patients at the point of care itself, and avoid unnecessary shifting of patients to the radiology block.

The neurosurgery department now performs the whole gamut of neurosurgical procedures, including:

1. Skullbase surgeries – microscopic and endoscopic, including extended transsphenoidal procedures
2. Cerebrovascular surgeries
3. Peripheral nerve surgeries, including brachial plexus injury
4. Neuro-oncological procedures, cranial and spinal, and stereotactic biopsies
5. Spine surgeries, simple and complex, including endoscope-assisted procedures
6. Epilepsy surgeries
7. Functional neurosurgeries
8. Minimally invasive and endoscopic keyhole procedures

For many of these procedures, including epilepsy and functional surgeries, our department remains the only centre in Rajasthan to offer these services for patients. The Epilepsy Surgery programme which was begun in 2019, is continuing with good results and patient satisfaction. So far, the department has performed epilepsy surgeries for more than 50 patients. This year we have also been able to perform a wider variety of functional surgeries for adult and paediatric patients. This has been possible with active cooperation of the Departments of Neurology, Paediatrics, Anaesthesiology and Radiodiagnosis.

This year, neurosurgery department has served a approximately 13,500 outpatients and performed over 1,245 surgeries. The annual attendance of new patients attending outpatient department was approximately 2,567.

The department also has a cadaver dissection and skills training centre, which is operated with help from Department of Anatomy. This centre provides additional orientation and teaching opportunities for the trainees, with use of handmade and 3D-printed teaching models.

#### **Workshops/ Conferences Organised:**

1. In August 2023, the department hosted the annual mid-term CME of the Indian Society of Stereotactic and Functional Neurosurgery (ISSFN). This was attended by the stalwarts of this niche field from all over India.
2. The department also moderates 3-monthly meetings of the Jodhpur Neuroscience Club, with participation from all practising neurosurgeons and neurologists of the city. With help of other local institutes, this exercise has been restarted after a pandemic-forced hiatus, and will help facilitate exchange of ideas and foster of a spirit of collaboration.

#### **Other information:**

1. One of our faculty members, Dr. Jaskaran Singh Gosal, was awarded an International Research Fellowship in Skullbase Surgery under Dr. Daniel Prevedello at Ohio State University, Columbus, Ohio, USA. All faculty members have attended national and international conferences as invited faculty, speakers, and chairpersons.
2. Faculty and residents from the department have also presented our research work at many national and international conferences. There have been a number of publications in reputed neurosurgical journals, the highlights of which are as mentioned below.

#### **Publications of Department of Neurosurgery**

1. Singh P, Gupta R, Nayyar AK, Ghatak S, Gosal JS, Varghese R. Morphometry of depth of interhemispheric fissure on Indian cadaveric brain specimens. Clin Ter. 2023;174(3):281-286. doi:10.7417/CT.2023.2535
2. Gosal JS, Bhuskute GS, Alsavaf MB, et al. Endoscopic Endonasal Transcavernous Posterior Clinoidectomy with Inferior Hypophyseal Artery Preservation for a Cavernous Sinus Hemangioma: Technical Case Report. Oper Neurosurg (Hagerstown). 2023;25(1):e55-e59. doi:10.1227/ons.0000000000000675
3. Finger G, Kyle CW, Gosal JS, Jawad B, Jeong JV, Carrau R, Prevedello D. Endoscopic ultrasound guided resection of a Cushing's adenoma invading the medial cavernous sinus wall using the "interdural peeling" technique. Neurosurg Focus Video 9(1):V4, 2023 DOI: 10.3171/2023.4.FOCVID22150.
4. Jha DK, Jha A, Bhaskar S, Nayyar AK, Dixit SG, Ghatak S. A simple workstation for micro-suturing and vascular anastomosis for training in neurosurgery. J Cerebrovasc Sci 2023;11:23-6.
5. Jha DK, Janu V, Bhaskar S, Gosal JS, Ghatak S. Skull base dural reflection models: tool for teaching neuroanatomy at resource-scarce centers. *Neurosurg Rev*. 2023;46(1):105. Published 2023 May 5. doi:10.1007/s10143-023-02008-1
6. Letter to the Editor Regarding "Minimally Invasive Drainage of Intracerebral Hemorrhage. A South American Experience with the MISTIE Procedure"

7. Tiwari S, Garg PK, Panda S, Gupta A, Hegde A, Kumar D, Khera D, Bhatia PK, Garg M, Yadav T. Neuroimaging Spectrum in COVID-19 Infection: A Single-Center Experience. Indian J Radiol Imaging. 2023 Apr 28;33(3):351-360. doi: 10.1055/s-0043-1768060. eCollection 2023 Jul.PMID: 37362355
8. Jha DK, Garg M, Janu V, Bhatia PK, Ghatak S, Khera P. Safety around Sylvian fissure: Technical note. J Cerebrovasc Sci 2023;11:8-14.
9. Jain S, Panda S, Garg M Sociodemographic determinants of epilepsy and treatment-seeking behaviour among patients with epilepsy - A hospital-based study from western India. Epilepsy Behav. 2023 Jul 7;145:109340. doi: 10.1016/j.yebeh.2023.109340. Online ahead of print.PMID: 37422936

### Research Project:

#### On-going:

1. "Assessing Phenytoin and Levetiracetam Efficacy, Cost-Effectiveness and CYP2C9/SV2A Polymorphism in Early Post-Traumatic Seizures: A Multicentric Prospective Randomized Trial. (**Gosal JSG**)
2. Projects with IIT Jodhpur on Glioma spheroids and Miniturized camera system for Endoscopes

#### Awards:

1. Dr. Bhalla Simran (Senior Resident) – Best Paper Presentation (NESICON 2024, Mumbai, March 2024)
2. Dr. Soumya Ranjan Rana (Senior Resident) – 1<sup>st</sup> prize in Quiz (NESICON 2024, Mumbai, March, 2024)

#### Scientific Patents:

1. Frugal Malleable Micro-dissectors for Micro-neurosurgery. (Granted. Patent no. 436356, dated 30.06.2023)
2. Single Blade Vertebral Spreader for Anterior Cervical Discectomy. (Granted. Patent No.: 423912, dated 02.03.2023)
3. Universal Working Sheath for Micro Endoscopic Assisted Surgeries of Lumbar and Lumbosacral Spine. (Granted. Patent no. 429422, dated 19.04.2023)
4. Single Blade Retractor for Spinal Surgery. (Granted. Patent no. 427189, dated 28.03.2023)
5. Wooden Spinal Model for Teaching and Training. (Granted. Patent no. 439898, dated 21.07.2023)
6. Tumor Collection Chamber for Space Occupying Lesions in Neurosurgery (Granted. Patent no. 476887, dated 04.12.2023)
7. Methylmethacrylate Inter-Facetal And Inter-Vertebral Body Spacers for Cranio-Vertebral Junction (Cvj) And Various Spine Surgeries Respectively. (Granted. Patent no. 528175, dated 15.03.2024)

#### Examinership

1. ABVIMS, Dr. RML Hospital, Delhi as MCh Examiner (**Jha DK**), External Examiner, MCh (Neurosurgery)
2. External Examiner Neurosurgery (MCh), RML, Delhi (**Jha DK**), External Examiner, MCh (Neurosurgery)
3. Fellowship and neurosurgery (MCh), AIIMS, Delhi (**Jha DK**), External Examiner, Fellowship (Pediatric Neurosurgery)
4. IHBAS Delhi 14.03.2024,
5. Endoscopy Practical Examination 26<sup>th</sup> Dec 2023 KGMU Lucknow, External Examiner, Endoscopy Practical Examination

6. Annual Practical Examination / Viva – Voca CGSIPU, New Delhi 12.12.2023, External Examiner, MCh (Neurosurgery)
7. M Ch Practical Examination Nov/Dec 2023 Chandigarh 4 to 6 Dec 2023, External Examiner, MCh (Neurosurgery)

#### **Guest Faculty from Department in Conferences:**

1. Guest faculty for workstation – AIIMS Annual spine workshop held at AIIMS New Delhi from 7<sup>th</sup> to 10<sup>th</sup> September 2023
2. Guest faculty for cadaveric workshop - ISPNS (Indian Society of Peripheral Nerve Surgery) held at AIIMS New Delhi from 3<sup>rd</sup> to 5<sup>th</sup> February 2023.
3. Course Faculty at the Inaugural Spring 2023 OSU Neurosurgical Summit- Approaches to the D Cavernous Sinus : A 360 degree view, Ohio State University, Columbus, OH, USA D

**Name of Faculty: Dr. Deepak Kumar Jha,**

**Designation: Professor and Head**

#### **Published articles:**

1. Jha DK; Jha A; Bhaskar S; Nayyar AK; Dixit SG; Ghatak S. A Simple Workstation for Micro-suturing and Vascular Anastomosis for Training in Neurosurgery. *Journal of Cerebrovascular Sciences*. 11(1):23-26, Jan-Jun 2023.
2. Jha DK, Janu V, Bhaskar S, Gosal JS, Ghatak S. Skull base dural reflection models: tool for teaching neuroanatomy at resource-scarce centers. *Neurosurg Rev*. 2023;46(1):105. Published 2023 May 5. doi:10.1007/s10143-023-02008-1
3. Jain K, Agrawal M, Garg M, Bhaskar S, Jha DK. Letter to the Editor Regarding "Minimally Invasive Drainage of Intracerebral Hemorrhage. A South American Experience with the MISTIE Procedure". *World Neurosurg*. 2023; 172:108. doi:10.1016/j.wneu.2022.11.112
4. Ruparelia J, Gosal JS, Garg M, Jha DK, Kaur M, Kumari K. Mucous Extractor for Tumor Tissue Sampling in Neurosurgery. *Asian J Neurosurg*. 2023 Mar 27;18(1):88-90. doi: 10.1055/s-0043-1761235. PMID: 37056902; PMCID: PMC10089749.
5. Jha DK, Jha A, Sharma PP, Agrawal M, Janu V. Suction cannula design for safe microneurosurgery. *Clin Neurol Neurosurg*. 2023; 226:107633. doi:10.1016/j.clineuro.2023.107633
6. Jha DK; Agrawal M, Gosal JS, Janu V, Agrawal DK, Sharma RK, Garg M, Ghatak S, Elhence P, Bhatia PK. Manual Instruments as an Alternative to Drilling for Bony Exposure in Skull Base Surgery: Concept and Technique. *J Neurol Surg B Skull Base*. DOI: 10.1055/a-2031-3647
7. Jha DK; Garg M; Janu V; Bhatia PK; Ghatak S; Khera P. Safety around Sylvian Fissure: Technical Note. *Journal of Cerebrovascular Sciences*. 11(1):8-14, Jan-Jun 2023.
8. Chaturvedi M, Jha D, Anthony A, Maheshwari S. Leaking Skull Base -Imaging of Two Cases of Spontaneous Cerebrospinal Fluid (CSF) Rhinorrhea Involving Sphenoid Sinus. *Acta Scientific Neurology* 6.1 (2023): 23-27. DOI: 10.31080/ASNE.2023.06.0572.

#### **National/ International Conferences attended:**

1. WFNS Foundation Education Course, Agra (29<sup>th</sup> & 30<sup>th</sup> April 2023), Chair Person
2. Neurotrauma 2023 Jaipur 4<sup>th</sup> to 6<sup>th</sup> August 2023, Chair Person, Head Injury: Craniometric Localization in Cranial Trauma Surgery



3. Neuroendoscopy Workshop (Cranial – Skull Base & Spine) 23<sup>rd</sup> and 24<sup>th</sup> September 2023, Jaipur, Guest Faculty,
4. 24<sup>th</sup> Annual Conference of Cerebro-Vascular Society, Neuroendoscopy Workshop at New Delhi 21<sup>st</sup> to 23<sup>rd</sup> September 2023 , Chair Person,
5. NESICON 2024 28<sup>th</sup> 30<sup>th</sup> March 2024 Mumbai, Guest Faculty, Simulation in Neuroendoscopy

#### **Research Project:**

##### **Ongoing:**

1. Projects with IIT Jodhpur on Glioma spheroids and Miniturized camera system for Endoscopes

#### **Examinership**

1. ABVIMS, Dr. RML Hospital, Delhi as MCh Examiner, External Examiner , MCh (Neurosurgery)
2. ABVIMS, Dr. RML Hospital, Delhi as MCh Examiner, External Examiner , MCh (Neurosurgery)
3. External Examiner Neurosurgery (MCh), PGI, Chandigarh, External Examiner, MCh (Neurosurgery)
4. External Examiner Neurosciences (PhD), PGI, Chandigarh, External Examiner, PhD (Neurosciences)
5. External Examiner Fellowship (Paediatric Neurosurgery), AIIMS, New Delhi, External Examiner, Fellowship (Pediatric Neurosurgery)

#### **Invited Lectures by Faculty at National Conferences:**

1. Safety around Sylvian fissure. (Annual conference of Cerebrovascular society of india, Raipur, November 2022)
2. Doing more with less in minimal invasive neurosurgery. 6<sup>th</sup> congress of International Society on Minimally Invasive Techniques in Neurosurgery (ISMINS) Congress 2022, Delhi (October 2022)
3. Doing more with less in Neuroendoscopy. International Federation of Neuroendoscopy (IFNE) Interim Meeting 2022, Hyderabad (October 2022)
4. Increasing Proficiency of Learning Curve in Skull base surgery. Annual Conference of Skull base surgery, Bengaluru (November 2022)
5. Scope for Designing Instrument for Neurosurgeon. Foundation day (61 years) of Neurosurgery at KGMU Lucknow (November 2022)
6. Feasibility and ethical issue in Cadaver Dissection in Neurosurgery. 70<sup>th</sup> Annual Conference of Neurological Society of India 2022 at Agra (December 2022)
7. "C2 an enigma for young spine/neurosurgeons: Injury perspectives" and "Prevention of traffic rule violation in society: Role in Children". 7th AIIMS Annual Neurotrauma Conference, New Delhi (March 2023)

#### **Scientific Awards/Patents**

1. Life Membership of Neuroendoscopy Society of India (NESI) (**Jha DK**)
2. **Patent** granted titled, "Single blade vertebral spreader for anterior cervical discectomy" (**Patent No. 423912**). (**Jha DK**)

**Name of Faculty: Dr. S Bhaskar,**  
**Designation: Professor**

**Publications:**

1. Mohit Agrawal, Jogish Ruparelia, Mayank Garg, Jaskaran Gosal, Raghavendra Sharma, Vikas Janu, Suryanarayanan Bhaskar, Sanjeev Misra, Deepak K Jha. Setting Up a Department of Neurosurgery in a Government Hospital in an LMIC: Jodhpur, India. *World Neurosurgery* 2024;183 March 2024;86-92.
2. Deepak K Jha, Vikas Janu, Suryanarayanan Bhaskar, jaskaran Singh, Surajit Ghatak. Skull base dural reflection models: tool for teaching neuroanatomy at resource-scarce centers. *Neurosurgical Review* 2023
3. Bharti Jyotsna N, Elhence Poonam, Suryanarayanan Bhaskar, Pawan Kumar Garg. Chondrosarcome Skull Base: A case report. *Current Medical Imaging*, vol 19(11), 2023;1346-1350 (%).
4. Saroha Deepika, Ruparelia Jigish, Panda Samhita, Suryanarayanan Bhaskar, Sarbesh Tiwari. Post Stroke Stereotypies in Aneurysmal Subarachnoid Hemorrhage with Thalamic Infract- A case report. *Ann of Indian Acad of Neurol* May-Jun 2023, 26(3):305-307.
5. Deepak K Jha, Ashutosh Jha, Suryanarayanan Bhaskar, Ashish Kumar Nayyar, Shilpi Gupta Dixit, Surajit Ghatak. A Simple Workstation for Micro-suturing and Vascular Anastomosis for training in Neurosurgery. *J Cerebrovas Sci* 2023;11:23-6.
6. Kshama Jain, Mohit Agrawal, Mayank Garg, Suryanarayanan Bhaskar, Deepak K Jha. Letter to the editor regrading " Minimally Invasive Drainage of Intracerebral hemorrhage. A South American Experience with the MISTIE Procedure. *World Neurosurg* 2023 Apr;172:108.
7. Rashim Sharma, Poonam Abhay Elhence, Deepak Vedant, Jigish Ruparelia, S Bhaskar, Sarbesh Tiwari. Clear Cell Meningioma with Tyrosine Crystal: a case report with review of Literature. *The Gulf Journal of Oncology* 2024;44:103-106.
8. *Neurosurgical Review: Optochiasmatic Cavernomas: Updated Systematic Review and Proposal of a Novel Classification with Surgical Approaches.* Jigish Ruparelia, Rajnish Patidar, Jaskaran Singh Gosal, Mayank Garg, Deepak Kumar Jha, Vikarn Vishwajeet, Sarbesh Tiwari, Manbir Kaur, Surjit Singh, Suryanarayanan Bhaskar. *Neurosurgical Review*. 2024 Jan 19; 47(1):1-20
9. A Awasthi, S Bhaskar, Samhita Panda, S Roy. A Review of brain injury at multiple time scales and its clinicopathological correlation through in silicon modeling. *Brain Multiphysics*, 6 (2024) 100090.

**List of papers presented**

1. VRT in vascular surgery planning- Neurovascon 2022 Annual Conference of the Neurovascular surgeons society at AIIMS Raipur
2. VRT in Skullbase meningiomas- SBSSI annual conference 2022 at NIMHANS.

**Name of Faculty: Dr. Mayank Garg**

**Designation: Additional Professor**

**List of papers presented by you in Conference**

1. Guest faculty for workstation – ANC (Acute Neuro Care) 2023 organised by Dept. of Anesthesia at AIIMS Jodhpur from May 6<sup>th</sup> – 7<sup>th</sup> 2023.
2. Invited faculty and guest lecture at national conference NTSI (Neurotrauma) held at Jaipur. 4<sup>th</sup> – 6<sup>th</sup> August 2023– CVJ – an enigma for young Neurosurgeons- Trauma Perspective.
3. Invited faculty for chairing session - IMS (International Meningioma Society) 2023 held at Jaipur from 1<sup>st</sup> to 3<sup>rd</sup> September.

**National/ International Conferences attended:**

1. 15<sup>th</sup> Annual National Conference of India Neuro-Oncology (ISNOCON 2024) on 3<sup>rd</sup> to 06<sup>th</sup> April 2024 Chandigarh, Chairperson,
2. 26<sup>th</sup> AIIMS Annual Micro Neurosurgery Workshop at AIIMS Delhi from 8<sup>th</sup> to 10<sup>th</sup> Feb 2024, Resource Faculty,
3. J-MOVA (Japan Micro Vascular Anastomosis training course) on 22<sup>nd</sup> to 31<sup>st</sup> Jan 2024 at Yamanashi, Japan, Resource Faculty
4. ISPNCON Raipur on 11<sup>th</sup> 13<sup>th</sup> Jan 2024, Chairperson, Video Presentation
5. 26<sup>th</sup> Annual Conference of Neuro-spinal surgeons association of India (NSSA Spin – 2023) on 12<sup>th</sup> to 16<sup>th</sup> Sep 2023 at AIIMS New Delhi, Chairperson
6. International Meningioma Society (IMSD 2023) at Jaipur from 01<sup>st</sup> to 02<sup>nd</sup> Sep 2023, Chairperson
7. NSSA Spine 2023 on 13<sup>th</sup> to 17<sup>th</sup> Sep 2023 at New Delhi, Chairperson
8. NEUROTRAUMA 2023 at Jaipur from 04<sup>th</sup> to 05<sup>th</sup> Aug 2023, Speaker, C2- an enigma for young neurosurgeon
9. Annual Cadaveric and live operative workshop at AIIMS New Delhi, 3<sup>rd</sup> to 4<sup>th</sup> March 2023, Chairperson

**Name of Faculty: Dr. Jaskaran Singh Gosal**

**Designation: Associate Professor**

**Publications**

1. Abouammo MD, Narayanan MS, Alsavaf MB, Alwabli M, Gosal JS, Bhuskute GS, et al. Contralateral Nasofrontal Trephination: A Novel Corridor for a “Dual Port” Approach to the Petrous Apex. Oper Neurosurg (Hagerstown). 2024 Mar 20. Doi:10.1227/ons.0000000000001119. Epub ahead of print. PMID: 38506519.
2. JS Gosal, G Bhuskute, MB Alsavaf, S Manjila, R Carrau, DM Prevedello. Comparative Study of Morphometric Analysis Between Endoscopic Endonasal and Midline Suboccipital Subtonsillar Approaches to the Jugular Tubercle. Journal of Neurological Surgery Part B: Skull Base 85 (S 01), S221

3. MD Abouammo, SN Maithrea, MB Alsavaf, M Alwabili, JS Gosal. The Nasopharyngo-Septal Butterfly Flap: A Novel Salvage Option for Reconstruction of Clival and Cranio-cervical Junction Defects. *Journal of Neurological Surgery Part B: Skull Base* 85 (S 01), S348
4. JS Gosal, GS Bhuskute, MB Alsavaf, S Manjila, RL Carrau, DM Prevedello. Endoscopic Sublabial Contralateral Transmaxillary versus Precaruncular Contralateral Medial Transorbital Corridor as a Multiport Endoscopic Endonasal Approach to Petrous Apex. *Journal of Neurological Surgery Part B: Skull Base* 85 (S 01), S091
5. Ruparelia J, Patidar R, Gosal JS, et al. Optochiasmatic Cavernomas: Updated systematic review and proposal of a novel classification with surgical approaches. *Neurosurg Rev.* 2024;47(1):53. Published 2024 Jan 19. Doi:10.1007/s10143-024-02288-1
6. Bhuskute GS, Gosal JS, Alsavaf MB, et al. Morphometric Comparison of Endoscopic Endonasal Transpterygoid and Precaruncular Contralateral Medial Transorbital Approaches to Sphenoid Sinus Lateral Recess. *Oper Neurosurg (Hagerstown)*. Published online January 8, 2024. Doi:10.1227/ons.0000000000001053
7. Agrawal M, Ruparelia J, Garg M, Gosal J, Sharma R, Janu V, Bhaskar S, Misra S, Jha DK. Setting Up a Department of Neurosurgery in a Government Hospital in an LMIC: Jodhpur, India. *World Neurosurg.* 2024 Mar;183:86-92. Doi:10.1016/j.wneu.2023.12.078. Epub 2023 Dec 19. PMID: 38123130.
8. Sharma R, Agrawal M, Janu V, Gosal JS, Jha DK. A Simple and Cost-effective Hand Rest for Microneurosurgery. *J Cerebrovasc Sci.* Dec 2023
9. Alsavaf MB, Wu KC, Gosal JS, et al. Endoscopic endonasal marsupialization of Rathke's cleft cysts: clinical outcomes and risk factors analysis of visual impairment, Pituitary dysfunction and CSF leak. *Pituitary* 2023; 26(6):696-707. Doi: 10.1007/s11102-023-01347-y
10. Finger G, Wu KC, Gosal JS, et al. Endoscopic ultrasound guided resection of a Cushing's adenoma invading the medial cavernous sinus wall using the "interdural peeling" technique. *Neurosurg Focus* Video 2023; 9(1):V4. Published 2023 Jul 1. Doi:10.3171/2023.4.FOCVID22150
11. Singh P, Gupta R, Nayyar AK, Ghatak S, Gosal JS, Varghese R. Morphometry of depth of interhemispheric fissure on Indian cadaveric brain specimens. *Clin Ter.* 2023;174(3):281-286. Doi:10.7417/CT.2023.2535
12. Jha DK, Janu V, Bhaskar S, Gosal JS, Ghatak S. Skull base dural reflection models: tool for teaching neuroanatomy at resource-scarce centers. *Neurosurg Rev.* 2023;46(1):105. Published 2023 May 5. Doi: 10.1007/s10143-023-02008-1
13. Gosal JS, Bhuskute GS, Alsavaf MB, et al. Endoscopic Endonasal Transcavernous Posterior Clinoidectomy with Inferior Hypophyseal Artery Preservation for a Cavernous Sinus Hemangioma: Technical Case Report [published online ahead of print 2023 Apr 11]. *Oper Neurosurg (Hagerstown)* 2023;10.1227/ons.0000000000000675. doi:10.1227/ons.0000000000000675

#### Papers presented at the conferences:

1. "Morphometric Comparison of Endoscopic Endonasal Transpterygoid and Precaruncular Contralateral Medial Transorbital Approaches to Sphenoid Sinus Lateral Recess" Presented as a podium presentation at the 24th Annual Conference of the Skull Base Surgery Society of India (SKULLBASECON) 27th-29th October 2023 in Lucknow
2. "Endoscopic Sublabial Contralateral Transmaxillary versus Precaruncular Contralateral Medial Transorbital Corridor as a Multiport Endoscopic Endonasal Approach to Petrous Apex" presented as a

podium presentation at the 33rd annual North American Skull Base Society meeting 16th-18th February 2024 in Atlanta, GA, USA

**Presented at the conferences as co-authors:**

1. Fully endoscopic transvallecular transforaminal approach to the fourth ventricle- concept, technique & application in fourth ventricle epidermoid tumors, paper presented at NESICON 29-30th March 2024, Mumbai.
2. Pituitary Adenoma in Adolescents and Young Adults- Operative Nuances & Lessons learnt presented as poster at the Indian Society of Neuro-Oncology (ISNOCON) Conference 4th-7th April 2024, Chandigarh
3. Audit of anesthetic management and perioperative complications of patients undergoing awake craniotomies at a tertiary care center in Western Rajasthan, India, at the Annual Meeting of Society for Neuroscience in Anesthesiology & Critical Care in Alexandria, Virginia, on September 8-10, 2023

**Research Project:**

**Ongoing:**

1. Acute Normovolemic Hemodilution in Intracranial Meningiomas, Arteriovenous Malformations & High Grade Vascular Brain Tumor Surgeries - A Prospective Randomized Controlled Study (Near Completion) (Gosal JSG)
2. Morphometry of Interhemispheric fissure & Corpus Callosum and its clinical application. (Completed) (Gosal JSG)

**Scientific Awards/Patents**

1. International Research Fellowship in Skull Base Surgery under Dr. Daniel Prevedello in the Department of Neurological Surgery at the Ohio State University, Columbus, Ohio, USA (01/10/2022 - 30/03/2023) (Gosal JS)

**Guest Faculty from Department in Conferences:**

1. Course Faculty at the Inaugural Spring 2023 OSU Neurosurgical Summit- Approaches to the Cavernous Sinus : A 360 degree view, Ohio State University, Columbus, OH, USA (March 25)

**National/ International Conferences attended:**

1. 33<sup>rd</sup> Annual Meeting of North American Skull Base Society 15<sup>th</sup> to 18<sup>th</sup> Feb 2024, Atlanta, Georgia USA, Speaker, Comparative of Morphometric Analysis between endoscopic endonasal and midline subtonsillar approaches to the jugular tubercle
2. NESICPON 2024 Mumbai, Speaker, Endoscopic Endonasal Transpterygoid transclacrum transcavernous approach to functioning knosp pituitary adenomas-surgical
3. 18<sup>th</sup> World congress of Neurosurgery 2023 at Cape Town South Africa ( 04 to 08 Dec 2023), Speaker, Surgical Video Presentation
4. Skull basecon 2023 Lucknow 27 to 30 Oct 2023 , Speaker, Morphometric comparison of endoscopic endonasal transpterygoid and precaruncular contralateral medial transorbital approaches to sphenoid sinus lateral recess

5. Skull Base Surgery Research Fellowship, 01.10.2022 to 30.03.2023 Research Fellowship, Skull Base Surgery

**Name of Faculty: Dr. Mohit Agrawal**

**Designation: Assistant Professor**

**List of publications:**

1. Bajaj J, Chandra SP, Ramanujam B, Subianto H, Girishan S, Doddamani R, *Agrawal M*, Samala R, Dwivedi R, Chaudhary K, Garg A, Tripathi M, Bal CS, Nehra A, Sharma MC, Tripathi M. *Comparative Analysis of Hemispherotomy in Adults versus Children- A Prospective Observational Series*. Neurol India. 2024 Jan 1;72(1):69-73. doi: 10.4103/neuroindia.NI\_299\_20.
2. *Agrawal M*, Ruparelia J, Garg M, Gosal J, Sharma R, Janu V, et al. *Setting up a Department of Neurosurgery in a Government Hospital in an LMIC: Jodhpur, India*. World Neurosurgery. 2024 Mar;183:86-92. doi: 10.1016/j.wneu.2023.12.078.
3. *Agrawal M*, Mishra S, Garg K, et al. *Trends in Stereotactic Radiosurgery for Intracranial and Spinal Pathologies: Analysis of the Top 100 Most Cited Articles*. Neurol India. 2023;71(Supplement):S39-S48. doi:10.4103/0028-3886.373651
4. Jha DK, Jha A, Garg M, Gosal J, *Agrawal M*, Sharma R, Khera P. *Head Fixation in Head Frame in Surgeries of Unstable Craniovertebral Junction (CVJ) through Midline Posterior Approach*. J Spinal Surgery. 2023 (accepted for publication)
5. Janu V, Sharma R, *Agrawal M*, Jha A, Ruparelia J, Bhaskar S, Jha DK. *Bipolar Cautery in Aneurysms: Effective but Underutilized Technique*. Journal of Cerebrovascular Sciences. 2023 (accepted for publication)
6. Jha K, Harsh M, *Agrawal M*, Saini L, Tiwari S, Jha DK. *Use of Cost-Effective Software for Lesion Localization in Brain Surgery: Technical Note*. Journal of Neurosciences in Rural Practice. 2023 (accepted for publication)
7. Sharma R, *Agrawal M*, Janu V, Gosal J, Jha DK. *A Simple and Cost Effective Hand rest for Microneurosurgery*. Journal of Cerebrovascular Sciences. 2023 (accepted for publication)
8. *Agrawal M*, Chandra PS. *Major Vessel Injury During Surgery - A Neurosurgeon's Nightmare*. Neurology India. 2023, Nov - Dec. 71(6):p 1130-1131. doi: 10.4103/0028-3886.391336

**Papers presented at the conferences as author:**

1. Attended UP/UK Neurocon, Mussorie (29<sup>th</sup> September – 1<sup>st</sup> October, 2023) and presented “Temporal Lobectomy – A Technique in Refractory Epilepsy”
2. Attended 26<sup>th</sup> AIIMS Annual Microneurosurgery Workshop, New Delhi (8<sup>th</sup>-10<sup>th</sup> February, 2024) as invited faculty and presented operative technique of Anterior Temporal Lobectomy with Amygdalohippocampectomy for Drug Refractory Epilepsy

**No. of M.Ch. Students working under you as chief or co-supervisor:**

1. Academic Senior Resident, MCh Neurosurgery (3 year course), A Prospective Randomised Controlled Study Of Fluorescein Guided Resection V/S Non Fluorescein Guided Resection Of High Grade Gliomas, AIIMS Jodhpur, January 2024
2. Academic Senior Resident, MCh Neurosurgery (3 year course), Gabapentin Vs No Gabapentin in Low Back Pain Syndrome: A Randomized controlled Study, AIIMS Jodhpur, July 2024

3. Academic Senior Resident, MCh Neurosurgery (3 year course), A comparative study between the use of VRT and Neuronavigation in tumour localisation in cases of Supra tentorial brain tumours, AIIMS Jodhpur, January 2025
4. Academic Junior Resident, MCh Neurosurgery (6 year course), Role of Decompressive Hemicraniectomy in Malignant MCA Infarct: A Prospective Observational Study, AIIMS Jodhpur, January 2025
5. Academic Junior Resident, MCh Neurosurgery (6 year course), Comparison of bedside ultrasound with non-contrast computed tomography in decompressive craniectomy patients, AIIMS Jodhpur, January 2025
6. Academic Senior Resident, DM Interventional Radiology, Evaluation of the angioarchitectural features of brain arteriovenous malformations using digital subtraction angiography: An observational study, AIIMS Jodhpur, January 2025

**National/ International Conferences attended:**

1. 26<sup>th</sup> AIIMS Annual Micro Neurosurgery Workshop on 7<sup>th</sup> to 10<sup>th</sup> Feb 2024 at AIIMS New Delhi, Resource faculty
2. 1<sup>st</sup> International Epilepsy Surgery Society Congress Dubai 2024 at Dubai, UAE 19 to 21, Jan 2024, Speaker, Understanding lobectomy using cadaveric specimen, volume rendering technique, and its correlation with intraoperative anatomy
3. 29<sup>th</sup> Annual Conference UP/UK Neurosociety of UP/UK Neurocon 2023 on 29<sup>th</sup> Sep to 01<sup>st</sup> Oct 2023 (NEUROCON 23), Speaker, Temporal Lobectomy in Drug Refractory Temporal lobe Epilepsy

**Name of Faculty: Dr. Vikas Janu**

**Designation: Assistant Professor**

**Papers presented**

1. Acute Neuro care May 2023, AIIMS Jodhpur – Faculty Lecture and workshop

**Paper Presented as Co-author:**

1. Pre-operative ETV followed by Tumor surgery versus upfront definitive surgery alone in posterior fossa Brain tumor with Hydrocephalus- A prospective Randomized Controlled Study At NESICON Mumbai March 2024.
2. Endemic Fluorosis and its impact in cases of OPLL :An overview from Western India. NSICON 2023 Bhubaneswar
3. Fully Endoscopic transvallecular transforaminal approach to Fourth Ventricle Epidermoid Concept, Technique and application At NESICON March 2024, Mumbai

**Name of Faculty: Dr. Raghavendra Kumar Sharma**

**Designation: Assistant Professor**

**National/ International Conferences attended:**

1. ANVI 2024 Work Shop 21<sup>st</sup> to 23<sup>rd</sup> Gurugram,

2. ISPNSCON Raipur on 12<sup>th</sup> 13<sup>th</sup> Jan 2024, Chairperson
3. 26<sup>th</sup> AIIMS Annual Micro Neurosurgery Delhi Workshop on 7<sup>th</sup> 10<sup>th</sup> Feb 2024, Resource faculty/Chairperson
4. NSICON 2023 on 13<sup>th</sup> 17<sup>th</sup> Dec 2023 at Bhubaneswar, Presenter, Antiepileptic prophylaxis for post traumatic seizures (PTS)? Natural history and pattern of PTS
5. 6<sup>th</sup> Annual Congress of Society of Neuro Vascular Interventions SNVICON 2023, on 6<sup>th</sup> 8<sup>th</sup> Oct 2023 at Chennai,
6. 26<sup>th</sup> Annual Conference of Neuro-Spinal Surgeons Association of India (NSSA Spine 2023) on 12<sup>th</sup> 18<sup>th</sup> Sep 2023 at AIIMS New Delhi, Chairperson,
7. NEUROTRAUMA 2023 at Jaipur from 3<sup>rd</sup> to 7<sup>th</sup> Aug 2023, Resource faculty,
8. ANTC at Jaipur 4<sup>th</sup> to 6<sup>th</sup> Aug 2023 , Presenter, Neurotrauma & its management related treatment in newer researchers
9. NICE LIVE 2023 on 26<sup>th</sup> 30<sup>th</sup> April 2023 at AIIMS New Delhi, Chairperson,



## Department of Nuclear Medicine

S. No.	Name	Designation
1	Dr Rajesh Kumar	Professor and Head
2	Dr Sameer Taywade	Associate Professor
3	Dr Deepanksha Datta	Assistant Professor

### About the Department

In the year 2023-2024 the department of Nuclear Medicine remained committed to serving the people of Rajasthan with sustainable developments in research & medical education. The key accomplishment for the year includes organizing the 4 days' international conference - 55th Annual Conference of Society of Nuclear Medicine India, at AIIMS Jodhpur from 19-23 November 2023. This was graced by about 500 delegates around the globe including 12 international & 104 national faculties. This year is also noteworthy for the department as we celebrate the academic accomplishments of our first batch of two postgraduate students who successfully cleared their final exams and were awarded MD Nuclear Medicine degree from AIIMS Jodhpur.

**Patient care:** The department of Nuclear Medicine continued with its commitment to patient care and delivered the highest standards in the areas of both diagnostic and therapeutic nuclear medicine. We increased the number of patients undergoing diagnostic nuclear studies by optimizing the use of available radionuclides and thereby reducing the waiting time. We continued with the novel procedure of radiosynovectomy which treats the inflammatory conditions of joints with radionuclides. The introduction of PET-CT based interventions in terms of metabolic biopsy in the previous year has created a strong impact on the patient management. The number of referrals has been gradually increasing. During this period, 588 patients received the OPD consultations and the department performed a total of 3724 diagnostic procedures (including SPECT-CT, PET-CT, Radioiodine uptake & PET-CT guided biopsy). Department performed 64 therapeutic procedures (including Radioiodine therapy for Thyrotoxicosis and Low to intermediate risk Differentiated Thyroid Cancer; Radiosynovectomy and Lu-177 PSMA therapy). Department has initiated the setting up of High Dose Therapy ward for the treatment of differentiated thyroid cancer, prostate cancer, neuroectodermal tumor, etc.

**Academics:** Department of Nuclear Medicine continued with the commitment to excel in the quality of education to Nuclear Medicine postgraduate students, undergraduate students, postgraduate students & Doctorate students of different departments, with regular seminars, Journal clubs, case presentations and regular assessments which helped the students to gain deep insight into the subject. We give equal importance to informal microteaching in order to increase interactions with students. We conducted interdepartmental academic meetings with departments of Neurology, Endocrinology, Cardiology and Surgical Gastroenterology thereby improving the knowledge and further leading to better research and better disease management. Faculty members and the residents actively participated in meetings like Tumor board, Clinical Grand rounds and Clinico-pathology case discussions.

**Research:** Department's sincere efforts in patient care & academics further improved the research collaborations with various departments leading to multiple multidisciplinary research studies conducted as a part of research projects as well as post graduate theses. 19 research projects and 17 theses were conducted in the department which led to 24 research publications in esteemed medical journals. Faculty members & students represented institute at different national and international conferences and

presented 15 research papers and posters One of our postgraduate students won the second prize in a free oral paper presentation at the international conference.

### **Compiled list of Publications of the department:**

#### **Papers:**

#### **PubMed Indexed:**

1. D. Datta, R. Kumar, V. Mobarsa, V. Sharma, A. Goyal, S. Tiwari. Incremental value of SPECT / CT in diagnosis of Skull Base Osteomyelitis.
2. Taywade S, Gupta T, Kumar R, Choudhary R, Kumar D. FDG PET/CT in Dressler Syndrome. Clinical Nuclear Medicine. 2022 May 11:10-97.
3. Pandey RR, Kumar R, Taywade S, Majeed AK. Comparing outcomes with low dose vs. high dose <sup>177</sup>Lu EDTMP in patients with metastatic bone pain: A single-centre blinded RCT. Journal of Nuclear Medicine. 2023 June 1;64(S1): P1133.
4. Sarwal T, Taywade S, Kumar R. Optimization of protocol to enhance image quality for <sup>99m</sup>Tc PSMA scan for patients with prostate cancer based on timing of diuretic prior to acquisition. Journal of Nuclear Medicine. 2023 June 1;64(S1): P1291.
5. Ravichandran T, Kumar R, Taywade S. Performance of F18 FDG PET-CT, Tc<sup>99m</sup> GHA SPECT-CT and MRI in distinguishing high vs. Low grade primary brain tumors: A prospective study. Journal of Nuclear Medicine. 2023 June 1;64(S1): P1569.
6. Datta D, Kumar R, Goel AD. Diagnostic Performance of Metabolic Ratios in diagnosing Tumor Thrombosis on F-18 FDG PET/CT. Journal of Nuclear Medicine. 2023 June 1;64(S1): P1573.
7. Datta D, Kumar R, Chavan N, Vaswani S, Nalwa A. <sup>18</sup>F-FDG PET/CT of alveolar rhabdomyosarcoma of prostate in a 17-year-old boy. Clinical Nuclear Medicine. 2023 Jul 1;48(7): e338-9.
8. Datta D, Pandey RR, Kumar R, Sharma R, Vedant D. F-18 FDG PET/CT in staging and response assessment of primary cutaneous diffuse large B-cell lymphoma (leg type). European Journal of Hybrid Imaging. 2023 Aug 22;7(1):15.
9. Message from Organizing Chairman, 55th Annual Conference of Society of Nuclear Medicine, India. Rajesh Kumar. Indian Journal of Nuclear Medicine. 2023 Nov;38 (Suppl 1): S1.
10. <sup>18</sup>F FDG PETCT as a utility in the assessment of secondary infective/inflammatory changes in suspected infective endocarditis or cardiac device related infection. Althaf K M, Rajesh Kumar, Sameer Taywade, Deepanksha Datta. Indian Journal of Nuclear Medicine. 2023 Nov;38 (Suppl 1): S22-S23.
11. When the source of infection is a puzzler: Consider <sup>18</sup>F FDG PET/CT. Tanvi Sarwal, Deepanksha Datta, Sameer Taywade, Rajesh Kumar. Indian Journal of Nuclear Medicine. 2023 Nov;38 (Suppl 1):S39.
12. Intercorrelated regional cerebral metabolism and the differential effect of electroconvulsive therapy P. Santhosh Kumar, Rajesh Kumar, Sameer K. Taywade. Indian Journal of Nuclear Medicine. 2023 Nov;38 (Suppl 1): S44.
13. Analysis of various metabolic patterns in brain on F18 FDG PET-CT patients with autoimmune encephalitis. Siddharth Sahu, Deepanksha Datta, Rajesh Kumar, Sameer Taywade. Indian Journal of Nuclear Medicine. 2023 Nov;38 (Suppl 1): S44-S45.
14. <sup>18</sup>F-FDG PET/CT findings in patients with MRI proven mesial temporal lobe sclerosis. Malay Mishra, Deepanksha Datta, Sameer Taywade, Rajesh Kumar. Indian Journal of Nuclear Medicine. 2023 Nov;38 (Suppl 1): S47.
15. Role of <sup>18</sup>F FDG PET-CT in radiogenomics of carcinoma breast. Alok Mandal, Deepanksha Datta, Rajesh Kumar, Sameer Taywade. Indian Journal of Nuclear Medicine. 2023 Nov;38 (Suppl 1):S66.

16. Utility of 18F-FDG PET-CT in the staging of patients with Langerhans cell histiocytosis. Priyank Rajput, Deepanksha Datta, Rajesh Kumar, Sameer Taywade. Indian Journal of Nuclear Medicine. 2023 Nov;38 (Suppl 1): S66-S67.
17. Impact of additional FDG PET information on CT only radiotherapy planning of esophageal cancers. Nitish Chavan, Rajesh Kumar, Sameer K. Taywade, Deepanksha Datta. Indian Journal of Nuclear Medicine. 2023 Nov;38 (Suppl 1): S67.
18. Simultaneous blood glucose parameters in type 2 diabetic patients with delayed gastric emptying Tanisha Gupta, Rajesh Kumar, Sameer K. Taywade. Indian Journal of Nuclear Medicine. 2023 Nov;38 (Suppl 1): S91.
19. Correlation between thyroid liver ratio and % radioactive iodine uptake: Thyroid liver ratio as a marker of residual or remnant disease. Mehul Dulet, Deepanksha Datta, Rajesh Kumar, Sameer Taywade. Indian Journal of Nuclear Medicine. 2023 Nov;38 (Suppl 1):S96-S97.
20. Majeed AK, Yadav OK, Taywade S, Kumar R, Sandhu AS. Precise Localization of Urine Leak After Renal Transplantation on Radionuclide Renography: Added Value of the Unclamped Drainage Tube and SPECT-CT. Nuclear Medicine and Molecular Imaging. 2024 Feb 23:1-2.
21. Jain V, Selvakumar B, Varshney VK, Vishwajeet V, Taywade S, Agarwal L, Yadav T, Pandey R, (2023) Gangliocytic Paraganglioma of the Duodenum: A Masquerader. Ochsner J. 2023;23(3):251-256
22. Jena R, Bhargava P, Tripathi S, Taywade S, Yadav T, Sandhu AS, Singh M, Navriya SC, Bhirud DP, Aggarwal A, Choudhary GR, (2023) 18F-fluoro-2-deoxy-2-d-glucose PET-CT (FDG PET-CT) in staging of high-risk renal and urothelial bladder cancers (COPPER-T) trial protocol. BJUI Compass. 2023; 4(6): 662–667
23. Jabbar SA, Selvakumar B, Soni SC, Taywade S, Elhence P, (2023) Synchronous Squamous Cell Carcinoma of Rectum and Anal Canal Detected by FDG PET/CT-A Rare Entity. Clin Nuc Med. 2023;48(6);e297-299
24. Naman A; Anka A; Sarbesh T; Aasma N; Sandeep KB; Sameer T; Samhita P, (2023) Chronic acquired polyneuropathy as presentation of skull based solitary bone plasmacytoma. J Clin Images Med Case Rep. 2023; 4(10): 2654

#### Eminent Visitors:

1. Dr. Amol Takalkar, Professor, Department of Radiology and Imaging Sciences. Emory University School of Medicine, USA
2. Dr. B R Mittal, Professor & Head, Department of Nuclear Medicine, Postgraduate Institute of Medical Education and Research, Chandigarh
3. Dr. Munir Ghesani, Chief of Nuclear Medicine, Mount Sinai Health System, USA
4. Dr. Rakesh Kumar, Professor, Department of Nuclear Medicine, All India Institute of Medical Sciences, New Delhi
5. Dr. Vikas Prasad, Director, Clinical Theranostics, Mallinckrodt Institute of Radiology, USA
6. Dr. Twyla Bartel, Nuclear Medicine Specialist, Central Arkansas Veterans Healthcare System, USA
7. Dr. Prasanta Pradhan, Professor, Department of Nuclear Medicine, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow
8. Dr. Sandip Basu, Professor & Dean, Medical & Health Sciences, Homi Bhabha National Institute, Mumbai
9. Dr. Ashok Muthukrishnan, Chief of Nuclear Medicine, Director of Theranostics, University of Pittsburgh Medical Center, USA
10. Dr. Abbas Alavi, Professor of Radiology, University of Pennsylvania, USA

11. Dr. Frank Rösch, Professor of Nuclear Chemistry, Institute of Nuclear Chemistry, Johannes Gutenberg-University Mainz, Germany.
12. Dr. Dale Lindsay Bailey, Dale Bailey. Professor of Medical Radiation Science, University of Sydney, Australia
13. Dr. Patrick Flamen, Chief of Nuclear Medicine, Hôpital Universitaire de Bruxelles, Belgium
14. Dr. Rao V. L. Papineni, Distinguished scientist and an Adjunct Faculty, University of Kansas, USA

**Name of Faculty: Dr. Rajesh Kumar**

**Designation: Professor & Head**

**Papers Presented:**

1. "Presentation of Ovarian Metastases on F-18 FDG PET/CT" at the 19th International Conference on Radiopharmaceutical Therapy" organized by World Association of Radiopharmaceutical and Molecular Therapy (WARMTH) and held at Muscat, Oman from 8 – 12 Feb. 2024.
2. Comparing outcomes with low dose vs. high dose <sup>177</sup>Lu EDTMP in patients with metastatic bone pain: A single-centre blinded RCT at the Annual meeting of Society of Nuclear Medicine and Molecular Imaging 2024, June 24-27, 2023, Chicago, USA.
3. Optimization of protocol to enhance image quality for <sup>99m</sup>Tc PSMA scan for patients with prostate cancer based on timing of diuretic prior to acquisition at the Annual meeting of Society of Nuclear Medicine and Molecular Imaging 2024, June 24-27, 2023, Chicago, USA.
4. Performance of F18 FDG PET-CT, Tc<sup>99m</sup> GHA SPECT-CT and MRI in distinguishing high vs. Low grade primary brain tumors: A prospective study at the Annual meeting of Society of Nuclear Medicine and Molecular Imaging 2024, June 24-27, 2023, Chicago, USA.
5. Diagnostic Performance of Metabolic Ratios in diagnosing Tumor Thrombosis on F-18 FDG PET/CT at the Annual meeting of Society of Nuclear Medicine and Molecular Imaging 2024, June 24-27, 2023, Chicago, USA.
6. <sup>18</sup>F FDG PETCT as a utility in the assessment of secondary infective/inflammatory changes in suspected infective endocarditis or cardiac device related infection at the 55th Annual Conference of Society of Nuclear Medicine, India (SNMICON-2023) at AIIMS Jodhpur on 16th – 19th November 2023.
7. When the source of infection is a puzzler: Consider <sup>18</sup>F FDG PET/CT at the 55th Annual Conference of Society of Nuclear Medicine, India (SNMICON-2023) at AIIMS Jodhpur on 16th – 19th November 2023.
8. Intercorrelated regional cerebral metabolism and the differential effect of electroconvulsive therapy at the 55th Annual Conference of Society of Nuclear Medicine, India (SNMICON-2023) at AIIMS Jodhpur on 16th – 19th November 2023.
9. Analysis of various metabolic patterns in brain on F18 FDG PET-CT patients with autoimmune encephalitis at the 55th Annual Conference of Society of Nuclear Medicine, India (SNMICON-2023) at AIIMS Jodhpur on 16th – 19th November 2023.
10. <sup>18</sup>F-FDG PET/CT findings in patients with MRI proven mesial temporal lobe sclerosis at the 55th Annual Conference of Society of Nuclear Medicine, India (SNMICON-2023) at AIIMS Jodhpur on 16th – 19th November 2023.
11. Role of <sup>18</sup>F FDG PET-CT in radiogenomics of carcinoma breast at the 55th Annual Conference of Society of Nuclear Medicine, India (SNMICON-2023) at AIIMS Jodhpur on 16th – 19th November 2023.

12. Utility of 18F-FDG PET-CT in the staging of patients with Langerhans cell histiocytosis at the 55th Annual Conference of Society of Nuclear Medicine, India (SNMICON-2023) at AIIMS Jodhpur on 16th – 19th November 2023.
13. Impact of additional FDG PET information on CT only radiotherapy planning of esophageal cancers at the 55th Annual Conference of Society of Nuclear Medicine, India (SNMICON-2023) at AIIMS Jodhpur on 16th – 19th November 2023.
14. Simultaneous blood glucose parameters in type 2 diabetic patients with delayed gastric emptying at the 55th Annual Conference of Society of Nuclear Medicine, India (SNMICON-2023) at AIIMS Jodhpur on 16th – 19th November 2023.
15. Correlation between thyroid liver ratio and % radioactive iodine uptake: Thyroid liver ratio as a marker of residual or remnant disease at the 55th Annual Conference of Society of Nuclear Medicine, India (SNMICON-2023) at AIIMS Jodhpur on 16th – 19th November 2023.

#### **Sessions Chaired:**

1. Digital PET – Road map to Precision Molecular Imaging. 21st Annual Conference of the Association of Nuclear Medicine Physicians of India (ANMPICON 2023), 29th September to 01st October 2023, Surajkund, Haryana.
2. Amyloid - Recent Updates. Joint Annual Meeting of International Society for Heart Research & International Academy of Cardiovascular Sciences, ISHR 2024: Cardiovascular Sciences – From Molecule to Clinical. 16<sup>th</sup> - 18th February 2024 at All India Institute of Medical Sciences, Jodhpur, Rajasthan.
3. Regulatory aspects and Radiation Safety. 8th Annual conference of Nuclear Medicine Physicists Association of India (NMPAICON 2024), 23-24th Feb, 2024 at Shri Mata Vaishno Devi Narayana Superspeciality Hospital, Katra, J&K.
4. Diagnostic and Therapeutic Radiopharmacy. 8th Annual conference of Nuclear Medicine Physicists Association of India (NMPAICON 2024), 23-24th Feb, 2024 at Shri Mata Vaishno Devi Narayana Superspeciality Hospital, Katra, J&K.
5. Pulmonary Malignancy. XXII Annual Conference Evidence Based Management of Cancers in India (EBM 2024), 29th February to 3rd March 2024 at Tata Memorial Centre, Mumbai.
6. Diagnostic RPs in management of diseases. Radiopharmaceuticals: Chemistry to Precision Medicine. 30th March 2024 at Post Graduate Institute of Medical Education & Research (PGIMER), Chandigarh.

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

1. F-18 FDG PET/CT in staging, response assessment and surveillance of Primary Cutaneous DLBCL (leg type).
2. Presentation of Ovarian metastases on F-18 FDG PET/CT.
3. Retrospective analysis of Nuclear Imaging and Radiological Imaging data in Skull Base osteomyelitis.
4. Retrospective analysis of F-18 FDG PET/CT images for physiological accumulation in Gall Bladder.
5. Retrospective analysis of F-18 FDG PET/CT data to detect Tumor Thrombus.

##### **As Co-Investigator**

1. To evaluate the role of F-18 FDG PET/CT in the diagnosis and management of pediatric Langerhans cell Histiocytosis.
2. Evaluation of physiological variants of FDG uptake mimicking malignancy.
3. Role of 18F FDG PET-CT in radiogenomics of carcinoma breast.
4. Association of Circulating free tumor DNA (cfDNA) and metabolic burden measured by FDG PET-CT for evaluation of treatment response in patients of newly diagnosed lymphoma at a tertiary care centre in Western India.
5. Intra-individual comparison of diagnostic utility of Tc99m-PSMA and Tc99m-MDP bone scintigraphy in patients with carcinoma prostate.
6. To evaluate the clinicopathological response of neoadjuvant chemoradiotherapy/chemotherapy in cases of carcinoma esophagus and GE junction undergoing minimal invasive esophagectomy by PET CT scan and its impact on clinical outcome.
7. Retrospective analysis of PET/CT of Lymphoma patients to evaluate various types of response.
8. Neonatal osteomyelitis: Establishing the diagnosis with bone scintigraphy.
9. Diagnostic utility of FDG PET/CT in Incidental Gall bladder cancer.
10. Diagnostic accuracy of F-18 FDG PET/CT guided metabolic biopsy- A systemic review and meta-analysis.

**Completed:****As Principal Investigator**

1. Ancillary findings of Tumor Thrombus on F-18 FDG PET/CT besides intravascular FDG uptake.

**As Co-Investigator**

1. Diagnostic performance of NI-RADS on 18F- FDG PET/CT in post-treatment of Head and Neck Squamous Cell Carcinoma.
2. Diagnostic performance of F-18 FDG PET/CT in differentiating Autoimmune Pancreatitis from Pancreatic Cancer- Systematic Review and Meta-analysis.

**Scientific Awards / Patents**

1. Hospitality grant Award by the Oman Ministry of Health during the conference - 19<sup>th</sup> International Conference on Radiopharmaceutical Therapy, Muscat, Oman.

**Examinership**

1. Thesis examiner for MD (Nuclear Medicine), AIIMS, New Delhi.
2. MD (Nuclear Medicine), AIIMS Jodhpur in June 2023
3. MD (Nuclear Medicine), AIIMS Jodhpur in December 2023

**Membership /Post in Journal / Society / Association:**

1. Member of European Society for Hybrid, Molecular and Translational Imaging.
2. Member of European Society for Radiology.
3. Member of World Association of Radiopharmaceutical and Molecular Therapy
4. Life member of Society of Nuclear Medicine, India
5. Life member of Association of Nuclear Medicine Physicians of India
6. Editorial Board Member: Indian Journal of Nuclear Medicine.

7. Manuscript Reviewer for Journal of International Medical Research
8. Manuscript Reviewer for the journal - Nuclear Medicine Communications.
9. Abstract reviewer for the World Molecular Imaging Congress 2024, Montreal, Canada.

**National/ International Conferences attended:**

1. 19th Healthcare Executive Management Development Programme” at AIIMS Jammu on 18th – 23rd September 2023.
2. 21st Annual Conference of the Association of Nuclear Medicine Physicians of India (ANMPICON 2023) at Surajkund, Haryana on 29th September to 01st October 2023.
3. 55th Annual Conference of the Society of Nuclear Medicine (India) - SNMICON 2022 at AIIMS, Jodhpur on 16th – 19th November 2023.
4. Joint Annual Meeting of International Society for Heart Research & International Academy of Cardiovascular Sciences, ISHR 2024: Cardiovascular Sciences – From Molecule to Clinical at All India Institute of Medical Sciences, Jodhpur on 16th - 18th February 2024.
5. 8th Annual conference of Nuclear Medicine Physicists Association of India (NMPAICON 2024) at Shri Mata Vaishno Devi Narayana Superspeciality Hospital, Katra, J&K on 23-24th Feb, 2024.
6. XXII Annual Conference Evidence Based Management of Cancers in India (EBM 2024) at Tata Memorial Centre, Mumbai on 29th February to 3rd March 2024.
7. CME - Radiopharmaceuticals: Chemistry to Precision Medicine at Post Graduate Institute of Medical Education & Research (PGIMER), Chandigarh on 30th March 2024

**Any other:**

1. Nominated as the Technical Expert for the establishment of Nuclear Medicine facility at AIIMS Rajkot.
2. Nominated as the Technical Expert for procurement of medical equipment for Department of Nuclear Medicine for upcoming AIIMS under PMSSY-IV and PMSSY-V.
3. Appointed as Theory Question paper Setter of paper for MSc. Nuclear Medicine Technology Final Examination at Dr. Ram Manohar Lohia Institute of Medical Sciences, Lucknow.
4. Appointed to contribute Multiple Choice Questions for preparation of Question Bank for Senior Resident (Nuclear Medicine) examination at AIIMS Patna.

**Name of Faculty: Dr. Sameer Taywade**

**Designation: Associate Professor**

**Sessions Chaired:**

1. Panel Discussion- Inflammatory – Infiltrative Cardiomyopathies: Cardiac PET /SPECT Protocols, Potential Clinical Application and Practical Implication. Association of Nuclear Medicine Physician of India (ANMPICON 2023), Sarvodaya hospital, Delhi 29<sup>th</sup> Set – 1<sup>st</sup> Oct 2023
2. Panel Discussion: Dissociate response How to associate ? Society of Nuclear Medicine India Northern chapter (SNMINC 2023) RGCIRC, Delhi, 8<sup>th</sup> April 2023

**Invited Lectures**

1. Nuclear Waste Management in Hospital. International Conference on Hospital Waste Management (ISHWMCON-2023). AIIMS, Jodhpur 26<sup>th</sup> Oct 2023

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. Intra-individual comparison of diagnostic utility of Tc99m-PSMA and Tc99m-MDP bone scintigraphy in patients with carcinoma prostate (Intramural Funded project)

**As Co-Investigator**

1. IAEA Non-invasive cardiology protocols study – INCAPS4 (International project by IAEA- International atomic energy agency)
2. Radiation doses to cardiac substructures as a surrogate marker of cardio-toxicity in left breast Cancer (Intramural Funded project)

**Scientific Awards/Patents**

1. Second prize in maiden academic quiz for established professionals in the field of Nuclear Medicine, cardiology and radiology organised during 3<sup>rd</sup> World congress on cardiac imaging and clinical cardiology (WCCICC-2023) at Mumbai from 6-8<sup>th</sup> October 2023.

**Membership/Post in Journal or Society or Association**

1. Membership of American society of Nuclear Cardiology (ASNC)

**National/ International Conferences attended:**

1. Association of Nuclear Medicine Physician of India (ANMPICON 2023), Sarvodaya hospital, Delhi 29<sup>th</sup> Sept – 1<sup>st</sup> Oct 2023
2. 55<sup>th</sup> National annual conference of the Society of Nuclear Medicine India (SNMICON-2023), AIIMS Jodhpur 16<sup>th</sup> - 19<sup>th</sup> November 2023
3. Society of Nuclear Medicine India Northern chapter (SNMINC 2023) RGCIRC, Delhi 8<sup>th</sup> April 2023
4. International Conference on Hospital Waste Management (ISHWMCON-2023). AIIMS, Jodhpur 26<sup>th</sup> Oct 2023

**Name of Faculty: Dr. Deepanksha Datta**

**Designation: Assistant Professor**

**Research Project:**

**Ongoing:**

**As Principal Investigator (Non-funded)**

1. Role of 18F FDG PET-CT in radiogenomics of carcinoma breast.
2. Evaluating the role of F-18 FDG PET/CT in the diagnosis and management of paediatric Langerhans Cell Histiocytosis.
3. Evaluation of physiological variants of FDG uptake mimicking malignancy.
4. Diagnostic utility of FDG PET/CT in Incidental Gall bladder cancer -- A systemic review and meta-analysis.
5. Diagnostic accuracy of F-18 FDG PET/CT guided metabolic biopsy- A systemic review and meta-analysis.



**As Co-Investigator (non-funded)**

1. Comparative Study Of F18-FDG PET/CT And Tc99m-MDP SPECT/CT Bone Scan in Patients With Skull Base Osteomyelitis.
2. Physiological FDG uptake in the gall bladder on F-18 FDG PET/CT
3. Diagnostic utility of SPECT –CT in diagnosis of Skull Base osteomyelitis

**Completed:****As Principal Investigator**

1. Diagnostic performance of F-18 FDG PET/CT in differentiating Autoimmune Pancreatitis from Pancreatic Cancer- A systematic review and meta-analysis.
2. Diagnostic performance of NI-RADS on <sup>18</sup>F- FDG PET/CT in post-treatment of Head and Neck Squamous Cell Carcinoma-- A systematic review and meta-analysis.

**As Co-Investigator**

1. Utility of Metabolic Ratios in the diagnosis of Tumor Thrombus on F-18 FDG PET/CT
2. Diagnostic utility of SPECT –CT in diagnosis of Skull Base osteomyelitis
3. Characteristics of Ovarian metastases on F-18 FDG PET/CT.
4. Ancillary findings of Tumor Thrombus on F-18 FDG PET/CT besides intravascular FDG uptake.

**Membership/Post in Journal or Society or Association**

1. Member: Society of Nuclear Medicine India

**National/ International Conferences attended:**

1. SNMICON 2023 – Jodhpur (16<sup>th</sup>-19<sup>th</sup> September 2023)
2. European Congress of Radiology – Virtual (1<sup>st</sup>-5<sup>th</sup> March 2023)- Vienna, Europe.

**Workshops/ Conferences Organized:**

1. **“55th Annual Conference of Society of Nuclear Medicine India (SNMICON 2023)”, organized on 16<sup>th</sup> – 19<sup>th</sup> November 2023, at AIIMS Jodhpur**

Department of Nuclear Medicine, AIIMS Jodhpur organised a four days international conference, the “55th Annual Conference of Society of Nuclear Medicine India (SNMICON 2023) from 16<sup>th</sup> – 19<sup>th</sup> November 2023”. The organizing Chairman was Dr. Rajesh Kumar, Professor & Head of department, Dept. of Nuclear Medicine, AIIMS, Jodhpur. **The theme of the conference was “Nuclear Medicine – The Key to Precision Medicine”.** The conference was inaugurated by Prof. Sudhakar Panda, Senior Professor & Former Director, National Institute of Science Education and Research, Bhubaneswar. Dr Madhabananda Kar, Executive Director highlighted the importance of Nuclear Medicine in the management of cancer patients.

The meeting was attended by 490 physicians, technologists, radiopharmacists, scientists, students and industry delegates from India and abroad. 116 national and international faculty participated at the meeting. **12 renowned Nuclear Medicine Physicians & Scientists from USA, Europe and Australia delivered lectures at the meeting.** Dr Abass Alavi, Professor of Radiology and Neurology at the University of Pennsylvania, USA and the pioneer in Nuclear Medicine who performed the first human FDG PET scan in 1976 also attended the meeting. He enlightened the participants with expert comments

from his five decades of carrier in Nuclear Medicine. Keynote lecture on “30 years of Radiometal Theranostics” was delivered by Prof. Frank Rösch, the German Scientist.

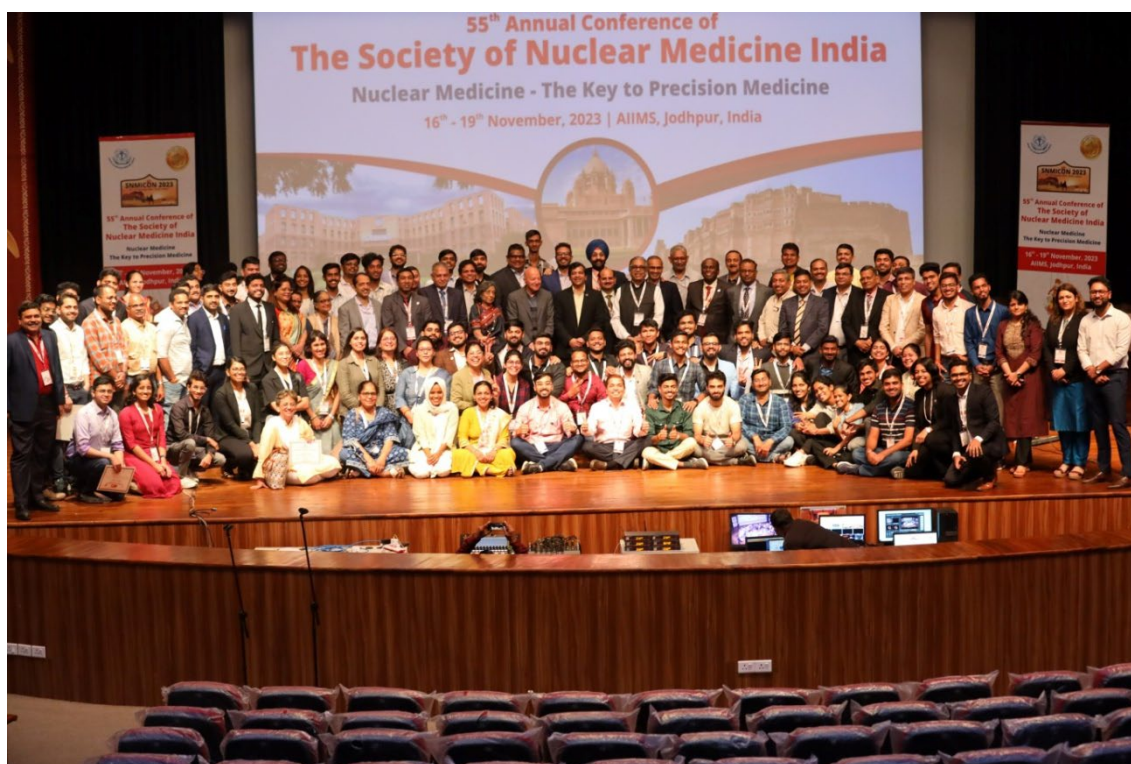
Three prestigious orations of Society of Nuclear Medicine, India - Homi Bhabha Oration, Vikram Sarabhai Oration and Brigadier S K Mazumdar Oration were presented. The Homi Bhabha Oration was delivered by Prof. (Dr) Shanmuga Sundaram, Amrita Institute of Medical sciences, Kochi. Brig SK Mazumdar Oration was delivered by Dr. Ashwani Sood from PGIMER, Chandigarh and Vikram Sarabhai Oration was delivered by Dr. Ashish Jha from TMH Mumbai. 75 invited lectures were presented.

Three Masterclasses and three Panel discussions were also held in the areas of Cardiology, Neurology and Theranostics in oncology. Masterclass was conducted in the areas of NET Theranostics, Thyroid Cancer and Prostate Cancer. CME of Indo American Society of Nuclear Medicine and the CME of Indian College of Nuclear Medicine was conducted on the first day with lectures on a wide range of clinical topics including the role of Artificial Intelligence in Nuclear Medicine.

The sessions ranged from the role of non-invasive imaging methods like PET and SPECT in the characterization of the lesions , to therapeutic role of newer radiopharmaceuticals. Scientific sessions were also held on the diagnostic role of various radiopharmaceuticals in the management of disorders in the field of Cardiology, Neurology, Orthopedics, Hepatology. Urology, Infection management along with the lectures on Interventions in Nuclear Medicine, Correlative Imaging and Pre-clinical drug discovery. 173 abstracts were received and presented by the participants in the form of oral papers & posters. 54 abstracts were presented as oral papers, categorized under four named awards - Shakuntala Krishnamurthy Nuclear Hepatology Award, Alavi-Takalkar-Kumar Award, Emeritus Professor N Ramadas Award for Best Paper in Nuclear Thyroidology, and Dr. Arun Malhotra Award for Best Paper in Nuclear Cardiology and a free paper session. 119 abstracts were showcased in e-poster presentations. 17 awards were given for best papers and best posters in six different categories. The conference was widely praised and appreciated by all national and international attendees.



Oral paper awards ceremony during the 55<sup>th</sup> SNMICON 2023,  
held from 16<sup>th</sup> – 19<sup>th</sup> November 2023, at AIIMS Jodhpur



Faculty and delegates during the 55<sup>th</sup> SNMICON 2023,  
held from 16<sup>th</sup> – 19<sup>th</sup> November 2023, at AIIMS Jodhpur

## Department of Obstetrics & Gynecology

S.No.	Name	Designation
1	Dr Pratibha Singh	Professor & Head
2	Dr Shashank Shekhar	Professor
3	Dr Navdeep Kaur Ghuman	Additional Professor
4	Dr Charu Sharma	Additional Professor
5	Dr Manu Goyal	Additional Professor
6	Dr Garima Yadav	Additional Professor
7	Dr Meenakshi Gothwal	Additional Professor
8	Dr Priyanka Kathuria	Associate Professor
9	Dr Manisha Jhirwal	Associate Professor [ Trauma & Emergency]

### About the Department :

The department of Obstetrics & Gynecology has continued to progress and grow in the year, the number of clinical cases in OPD, IPD, surgeries and research work have increased appreciably. The department received certificate for excellence at the first research day celebration at the Institute.

### Workload:

More than sixty thousand woman attended OPD last year. This includes many high-risk pregnancies, pregnancies with variety of medical disorders and congenital anomalies, woman with genital tract cancers and anomalies and many other complex cases. Many procedures are done in OPD which includes, taking cervical cytology, colposcopy, surgical dressing and suture removal, Hysterosalpingography, intrauterine insemination etc. There is progressive increment of these procedures over the year.

Our post-natal ward is generally completely occupied due to increased number of deliveries, gynecology ward also shows a high turnover; and as the majority patients are operated by minimal invasive surgery, they are able to go home early. Many intricate and difficult surgeries are performed by the faculty members in the department, this year many cases of cancer of endometrium, congenital abnormalities of uterus and vagina, endometriosis etc were done laparoscopically in the department. These cases are challenging and very few medical colleges in India are performing such wide variety of cases by minimal invasive route.

A huge variety of cancers like – cervix, endometrium, myometrium, ovary, vulva were performed in the department during the year. Many complicated cases from nearby areas including other medical colleges of the state are referred to us.

We also get referrals for many complex cases of fetal abnormalities from nearby areas including many state medical colleges. This has led to significant uprise in these cases requiring invasive testing and treatment during pregnancies.

More than 3400 cases of deliveries and almost four thousand surgeries [ major + minor] were done in the department in this year and the cases are steadily rising

One more achievement of the department was completion of 'Artificial Reproductive Services' in the department. The facility has been developed as a turn-key basis and is ready to cater to needs to the

local population for infertility related problems. IVF trial testing was started in Jan 2024 and till now 21 Procedures are done. We expect that in near future this facility will receive referrals from many nearby areas and will be a major center for infertility related problems.

The department has also organized two workshops on fetal medicine and during this year , details are attached.

**Teaching, training and Research:** the department has 22 junior residents and 11 senior residents presently; 2 fellows in Minimal invasive surgery and 1 fellow in fetal medicine are pursuing their course. The residents get ample hands-on experience for managing and operating cases under the supervision of faculty. The residents and fellow are encouraged to participate in state, national and international conference and CMEs, last year 18 residents presented paper & poster in these conferences and won 5 awards which includes- Best paper on Obstetrics, best paper in Gynecology in AOGD conference in Delhi, 1<sup>st</sup> and 2<sup>nd</sup> prize in paper and poster presentation in fetal medicine conference, 2<sup>nd</sup> prize in state ISAR conference, 1<sup>st</sup> prize in state AGOI conference. They stood 2<sup>nd</sup> in ISOPARB zonal quiz. They also participated in debate and won honors.

The department received Certificate of Excellence on 1<sup>st</sup> Research Day celebration at the Institute, which is a great motivator to continue to excel in research in the field. This is a reflection of the research interest and commitment of the faculty members.

**Plan for future-** The department aspires to excel in all fields of Obstetrics & Gynecology and become a major center for treating infertility, cancers of female genital tract, laparoscopy and complex pregnancies requiring multifaceted management.

#### **Compiled list of Publications of the department:**

##### **Papers**

##### **Pubmed Indexed:**

1. Jhirwal M, Trivedi S, Shekhar S, Sharma C. Laparoscopic Hysterectomy with Bilateral Gonadectomy in True Hermaphroditism: A Case Report. The Journal of Obstetrics and Gynecology of India. 2023 Dec 6:1-3.
2. Arya P, Yadav G, Singh P, Ghuman NK, Sharma C, Gothwal M, Kathuria P. Tranexamic Acid, a Trivial in Preventing Postpartum Blood Loss in Vaginal Delivery- a Double Blinded, Randomized Controlled Trial. Am J Obstet Gynecol. 2023 Dec 25:S0002- 9378(23)02192-0. doi: 10.1016/j.ajog.2023.12.033. PMID: 38151222.
3. Shekhar S, Singh P, Vishnoi JR, Goel S, Pareek P, Sharma C, Goyal M, Yadav G, Jhirwal M, Soni S, Misra S. Upfront debulking surgery or delayed surgery after neoadjuvant chemotherapy for advanced-stage epithelial ovarian cancer: Comparison of survival from a noncancer center in India. Indian Journal of Cancer. 2023 Aug 7:10-4103.
4. Sharma C, Singh P, Shekhar S, Bhardwaj A, Jhirwal M, Ghuman NK, Gothwal M, Yadav G, Kathuria P, Mishra V. Pre-COVID and COVID experience of objective structured clinical examination as a learning tool for post-graduate residents in Obstetrics & Gynecology-a quality improvement study. Obstet Gynecol Sci. 2023 Jul;66(4):316- 326.
5. Shekhar S, Singh P, Sharma P, Goyal M, Sharma C, Kharsodiya K. A pilot study of circulating MicroRNA-125b as a Diagnostic & Prognostic Biomarker for Epithelial Ovarian Cancer. International Journal of Gynecological Cancer. 2023 Sep 27. Doi: 10.1136/ijgc-2023-ESGO.495 (Conference Paper)
6. Jhirwal, M., Singh, P., Shekhar, S., Sharma, C., Kaur Ghuman, N, Kathuria, P; Bohra, D. (2024). High diversity in the vaginal microbiome in women following preterm premature rupture of membranes and



- its effect on fetomaternal outcome. *International Journal of Community Medicine and Public Health*, 11(4),1612–1617.
7. Yadav G, Kansara M, Singh P, Gothwal M, Kathuria P. To try or not to try: A questionnaire study among women with previous lower segment cesarean section. *IJCM*.2023;48(4):605-608.
  8. Yadav G, Trivedi S, Rao M, Singh P, Shekhar S et al. Spectrum of suspicious ovarian neoplasms and their oncological outcomes: a single center experience. *IJSR*.2023;12(09):21-24.
  9. Rajendran M, Rao M, Elhence P A, Bharti JN, Singh P, Yadav G, Nalwa A, Goyal A D. Expression of Programmed Cell Death Ligand-1 and Mismatch Repair Status in Endometrial Carcinomas. *Journal of Mid-life Health* 14(2):p 81-86, 2023. | DOI: 10.4103/jmh.jmh\_6\_23.
  10. Barmon D, Tak A, Baruah U, Begum D, Gupta S, Khanikar D, Nath J, Yadav G. Pattern of care of recurrent cervical cancer in low-resource settings: challenges and patient initiated follow up as a novel opportunity. *Journal of mid-life health*.2023;14(3):205-11.
  11. Parihar M, Gothwal M, Singh P, Yadav G. Spectrum of heart diseases in pregnancy and its effects on the formational outcomes: A retrospective study from Western Rajasthan. *A Journal of Clinical Medicine*.2024;19(1)
  12. Agarwal N, Gothwal M, Yadav G, Singh P, Varshney V, Yadav T, Khera S. Ileo-dermoid fistula: a rare presentation of ovarian dermoid. *Journal of Mid-Life Health*. 2023,Oct;14(4):299-301.
  13. Ghuman NK, Shukla KK, Nandagopal S, Raikar S, Kumar S, Kathuria P, Choudhary D, Elhence P, Singh P. Explaining the Unexplained: Examining the Predictive Value of Semen Parameters, Sperm DNA Fragmentation and Metal Levels in Unexplained Infertility. *Journal of Human Reproductive Sciences*.2023;16(4):317-23.
  14. Kaushik A, Panda A, Verma V, Nalwa A, Ghuman NK. Serous surface papillary borderline tumor of ovary – An underdiagnosed entity. *Case Rep Clin Radiol*. doi:10.25259/CRCR\_182\_2023.
  15. Kathuria P, Bhimal A, Yadav G, Ghuman N, Singh P. A rare cause of acute abdomen in a postmenopausal female: Uterine Torsion. *Maturitas*. 2023 Jul 1;173:107-8.
  16. Kathuria P, Ghuman NK, Yadav G, Singh P, Solanki V, Gaur N, Singh S. Systematic review analyzing significance of endometrial cavity fluid during assisted reproductive techniques. *Archives of Gynecology and Obstetrics*. 2023 May 14:1-3.
  17. National Institute for Health and Care Research Global Health Research Unit on Global Surgery; Reducing the environmental impact of surgery on a global scale: systematic review and co-prioritization with healthcare workers in 132 countries; *British Journal of Surgery* 110, no. 7 (2023): 804-817.
  18. Bhandari S, Goyal M, Singh P. Successful surgical outcome for labial agglutination in a menstruating female: a case report and review of literature. *J Obstet Gynecol Ind* 2024: doi.org/10.1007/s13224-023-01932-y.
  19. Potaliya P, Nayak P, Goyal M. In-vitro wound healing assays: A comprehensive review. *Mymensingh Med J* 2024;33 (2): 613-625.
  20. Shekhawat DS, Didel S, Dixit SG, Singh P, Singh K. Carrier screening and diagnosis for spinal Muscular atrophy using droplet digital PCR versus MLPA: Analytical validation and early test outcome. *Genetic testing and Molecular Biomarkers* march 2024, 28(5) DOI:[10.1089/gtmb.2023.0073](https://doi.org/10.1089/gtmb.2023.0073)
  21. Bhardwaj P, Mantri N, Joshi N, Suthar P, Purohit P, Singh P, Shekhar S, et.al. Study of anemia in pregnancy and low birth weight in fluoride endemic area of western Rajasthan: a cohort study. *Mar 2024.F1000Research* 12:602 DOI:[10.12688/f1000research.134720.2](https://doi.org/10.12688/f1000research.134720.2)
  22. Chauhan J, Vyas H, Singh P, Sharma MC, et al. Effect of supported sitting position during second stage of labour on its outcome in primigravidae : A Quasi-experimental study. *J Family Med Prim care* 2023;12: 2014-19.

23. Dwivedi R, Goyal P, Yadav S S, Dwivedi D, Singh P, Singh K. Mapping of traditional healthcare providers and their healing approaches in a tribal community of District Sirohi, Rajasthan. June 2023, J of Fam Med Prim Care 12(6):1150 DOI: [10.4103/jfmpc.jfmpc\\_1610\\_22](https://doi.org/10.4103/jfmpc.jfmpc_1610_22)
24. Seidler AL, Aberoumand M, Hunter K et al. Deferred cord clamping, cord milking and immediate cord clamping at perterm birth: A systematic review and individual participant data meta-analysis. The Lancet. Nov 2023
25. Seidler AL, Libesman S, Hunter K et al. Short, Medium and long deferral of umbilical cord clamping compared with umbilical cord milking and immediate clamping at preterm birth: A systematic review and network meta-analysis with individual participant data. The Lancet. Nov 2023
26. Mantri Mantri P, Goel AD, Patel M, Baskaran P, Dutta G, Shekhar S et al. National and regional prevalence of Gestational diabetes mellitus in India: A systematic review and meta-analysis. BMC Public Health. Feb 2024
27. Shekhar S, Kaur SJ. Cervico-Vaginal Junction: The North Star of Total Laparoscopic Hysterectomy. Journal of Gynecological Surgery. Dec 2023
28. Rodrigues M, Varthya S, Sunderasan V, Ganapathy T, Balan S, Sivakumar G, Badkur M, Gothwal M, Ambwani S, Charan J, Vadakaluru U. Efficacy, Safety, and Cost Effectiveness of Healthium Theruptor Versus 3M Tegaderm Versus Plain Gauze Dressing for Wound Dressings Used in Abdominal and Joint Surgeries: A Prospective, Multicentric, Randomized Study. Cureus. 2024 Feb;16(2).
29. Chauhan J, Vyas H, Singh P, Sharma MC, Thirunavukkarasu D. Effect of supported sitting position during second stage of labor on its outcome in primigravidae: A quasi-experimental study. J Family Med Prim Care 2023;12:2014-19
30. Chauhan J, Vyas H, Singh P, Sharma MC, Thirunavukkarasu D. Effect of supported sitting position during second stage of labor on its outcome in primigravidae: A quasi-experimental study. J Family Med Prim Care 2023;12:2014-1

#### **Non-Pubmed Indexed:**

1. Yadav V, Karunanand B, Bansal SK, Yadav B, Sarin M, Yadav G. Navigating Threatened Miscarriage: Insights Into Maternal and Fetal Health Outcomes. Educational Administration: Theory and Practice. 2024 Apr 12;30(2):627-32.
2. Aparajita S, Goyal M, Singh P. Methods of labor analgesia. Journal of Pediatrics, Obstetrics & Gynecology 2023; 14(4): 118-122.
3. Bhandari S, Goyal M, Singh P. Induction & augmentation of labor. Journal of Pediatrics, Obstetrics & Gynecology 2023; 14(5): 135-142.
4. Bhandari S, Goyal M, Singh P. Male infertility: an overview of management. Journal of Obstetrics Gynecology and Reproductive Sciences 2024; 8 (3): doi:10.31579/2578-8965/205.

#### **Workshops/ Conferences Organized:** 2 [ report attached as a separate file ]

1. Workshop on Basics of Ultrasound on 19th and 20th August 2023,
2. Hands-on Workshop on Diagnostic and Basic Interventional Procedures in Fetal Medicine- on 27th and 28th October 2023

#### **Eminent Visitors:**

1. Dr Sanjay Singh- Prof & Head, AFMC
2. Dr Mamta Gowda- Addl Prof JIPMER
3. Dr S Suresh – Chennai

4. Dr Kuldeep Singh- Delhi

**Name of Faculty: Dr Pratibha Singh**

**Designation: Professor & Head**

**Papers Presented:**

**As co-authors:**

1. [Dr Vaishnavi Verma, Dr Pratibha Singh, Dr Garima Yadav, Dr Charu Sharma, Dr Navdeep Ghuman, Dr Meenakshi Gothwal] Evaluation of adnexal masses by IOTA-ADNEX , at 2<sup>nd</sup> Rajasthan AGOI at Jaipur[ won 1<sup>st</sup> prize in YGOG category]
2. Effect of hypertensive disease of pregnancy at term on maternal & umbilical hemogram, at national conference of ISOPARB at Raipur [ won prize]
3. AOGD-FOGSICON Medal for Best Paper on Gynaecology-Dr Dixa Yadav, Dr Navdeep Kaur Ghuman, Dr Garima Yadav, Dr Priyanka Kathuria-Oral Presentation- Effect of Intrauterine Instillation of Hyaluronic Acid Rich Media on Clinical Outcomes of Intrauterine Insemination Treatment
4. Dr Dinesh Choudhary, Dr Navdeep Kaur Ghuman, Dr Garima Yadav, Dr Priyanka Kathuria -Oral presentation-Adverse effect of chemotherapy on ovarian reserve-how bad is the impact?, Endocraft 2023, 15-16 th July, 2023, Jodhpur, Rajasthan
5. Dr Deepika Bohra, Dr Priyanka Kathuria, Dr Navdeep Kaur Ghuman, Dr Pratibha Singh-Transverse vaginal septum presenting as secondary amenorrhea: a rare clinical presentation. Endocraft 2023, 15-16 th July, 2023, Jodhpur, Rajasthan
6. Dr Amisha Pandit, Dr Navdeep Kaur Ghuman, Dr Priyanka Kathuria, Dr Garima Yadav, Dr Pratibha Singh-Oral Presentation- Comparison of hysterosalpingography with Hysterolaparoscopy: A Retrospective study, Endocraft 2023, 15-16 th July, 2023, Jodhpur, Rajasthan
7. Shagufta Anjum, Charu Sharma, Pratibha Singh, Taruna Yadav, Meenakshi Gothwal, Kuldeep Singh. Prevalence of Fetal Skeletal Dysplasia on molecular testing and spectrum of genes involved (Genomic profiling)- An Observational study in Western Rajasthan, at International Conference on Ultrasound Imaging- Sonobelia, on 31 st Aug- 2 nd Sep 2023 at Jaipur. [Received First Prize.]
8. Anshivi Raje, Meenakshi Gothwal, Pratibha Singh, Garima Yadav, Charu Sharma, Priyanka Kathuria. Assessing The Efficiency of Prophylactic Use of Local Tranexamic Acid During Vaginal Hysterectomy To Reduce Intraoperative Blood Loss – A Double Blind Randomised Controlled Trial- at Annual Conference of AOGD- FOGSI PG Conference on 18 th to 20 th August, 2023 at Leela Ambience Hotel Delhi. (Received First Prize)
9. Shagufta Anjum, Charu Sharma, Dolat Singh Shekhawat, Nayan Tada, Pratibha Singh, Kuldeep Singh. Title- Prenatal diagnosis of deletional persistent haemoglobin F (Hb F) disease – a diagnostic challenge at 6 th Hematology Update at AIIMS Jodhpur on 10 th & 11 th February 2024. [Second Prize in Poster]
10. Rajiv Kumar, Shashank Shekhar, Charu Sharma, Meenakshi Rao, Suman Patra, Pratibha Singh. Title- In the face of a rare foe: Aggressive Angiomyxoma of the Vulva a case report and literature review at 2 nd RAJ AGOI CON on 29 TH & 30 TH April 2023 at Hotel Royal Orchid Jaipur
11. Sharma C, Singh P, Shekhar S, Gothwal M, Jhirwal M, Singh K. Clinical Utility of Whole Exome Sequencing in Diagnostic Yield Of Non-Immune Hydrops Fetalis- at 9 th Asia Pacific Conference on Fetal Therapy' held on 3 rd to 5 th November 2023 at Chennai. Received second prize]



12. Sharma C, Shekhar S, Singh P, Gothwal M, Goyal M, Jhirwal M, Surekha B, Das S. Maternal and neonatal outcome and multidisciplinary management of Placenta Accreta Spectrum (PAS)- A single centre experience at INSUOG 2023, 5-7 May 2023 Bangalore Poster

#### **Session chaired:**

1. Chairperson for AGOI conference at Bhubaneswar for Mixed bag session and case based discussion , 23-24 Nov 2023.
2. Chairperson for webinar on 'Genito-urinary syndrome of Menopause', organized by Indian Menopausal society and Haryana OBG society
3. Chairperson for AOGIN conference at AIIMS Rishikesh Sept 2023
4. Chairperson for rajsthan AGOI conferece at Jaipur, on 29t-30 April 2023, session on Vulval cancer.

#### **Invited Lectures**

1. Lecture on HPV vaccination in webinar organized by Rajasthan chapter of AGOI on 8th July 2023
2. Lecture on "Fibroids" in GOLF- gynecology and obst Forum organized by KGMU .
3. Lecture on PMB evaluation at AGOI conference at Bhubaneswar on 23-24 Nov 2023
4. Lecture on Rare cervical cancers at 2<sup>nd</sup> Rajasthan chapter of AGOI at Jaipur April 2023.

#### **Symposium Speaker**

1. Faculty for FEMTEK conference at Mumbai 25-26Nov 2023, panelist for Robsons ten group classification and discussion

#### **Resource Faculty:**

1. Multidisciplinary tumour board organized by FOGSI oncology committee [online]
2. Judge for oral paper presentation at AOGIN conference at AIIMS Rishikesh
3. Panelist for panel discussion on adnexal masses, organized by Indian menopausal society and Jaipur chapter Dec 8<sup>th</sup> 2023 [online]
4. Faculty at conference organised by Ayurveda university at Jodhpur on Indian Gotra pranali

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

1. Maternal characteristics and outcome of obstetric patients with AKI- a ambispective study
2. Reducing caesarean section by Robsons classification- a quality improvement project - a multicentric study by FOGSI

##### **As Co-Investigator**

1. Segmental duplication analysis using cell-free fetal DNA as a potential non-invasive prenatal testing method for aneuploidies
2. Improving the data entry record of Major and minor surgical procedures in operation theatres to provide real-time surgical health statistics in Obstetrics & Gynecology at a tertiary care centre- a quality improvement project

3. Prevalence of Fetal Skeletal Dysplasia on molecular testing and spectrum of genes involved (genomic profiling)
4. COVID-19 vaccination in pregnancy COVIP study
5. Variation in sex-steroid hormone receptor expression in fallopian tube of woman with tubal ectopic gestation
6. To assess the validity of reference ranges of different semen parameters recommended by WHO laboratory manual for the examination and processing of human semen and to analyse the correlation of sperm DNA fragmentation levels with male infertility
7. Blood levels of heavy metals among the infertile and fertile population
8. Impact of dietary modification and exercise program during pregnancy on maternal outcomes: a randomized controlled trial
9. Comparison of the performance of PREP-S, PIER L, mini-PIERS risk prediction model in patients of preeclampsia for predicting adverse maternal and fetal outcomes
10. To evaluate the accuracy of HSG in predicting tubal block
11. Comparison of minimally invasive hysterectomy with salpingectomy versus open hysterectomy with salpingectomy on ovarian function and reserve
12. Effect of prophylactic addition of intrauterine misoprostol to standard oxytocin versus oxytocin in prevention of PPH – a randomized controlled trial
13. Shekhar S\*, Singh P, Sharma P, Goyal M, Sharma C, Kharsodiya K. A pilot study of circulating MicroRNA-125b as a Diagnostic & Prognostic Biomarker for Epithelial Ovarian Cancer. 24<sup>th</sup> European Congress on Gynecological Oncology (ESGO 2023), Sep 28<sup>th</sup> – 1<sup>st</sup> October 2023. Istanbul, Turkey.

#### **Completed:**

##### **As Principal Investigator**

1. Monitoring labour by AI based tool -a validation study?
2. Comparison of WHO partograph and WHO Labour Care Guide in reducing Cesarean section - A Randomized controlled trial

##### **As Co-Investigator**

1. Comparison of Cervico-vaginal microflora in infertile vs asymptomatic healthy parous women- a case control study
2. Correlation of maternal and fetal serum Orexin A level with insulin resistance in GDM patients
3. Triaging of critically ill Obstetric patients and challenges faced- a quality improvement project
4. Screening for sickle cell anemia and other hemoglobinopathies in new-borns, pregnant woman and family members in Rajasthan
5. Effect of Intrauterine instillation of Hyaluronic acid rich media on clinical outcome of intrauterine insemination- a randomized controlled trial
6. Predictors of ovarian reserve in premenopausal breast cancer woman
7. Interobserver and intraobserver variability in CTG interpretation – A hospital based study
8. The effectiveness of self-measured symphysis fundal height as screening tool diagnosing small for gestational age fetuses.

9. Utility of fallopian tube brush cytology as ascreening tool for epithelial ovarian cancerin woman undergoing gynecological surgery for beningcondition
10. Expression and association of micro-RNA(mir-424 and mir-519c) in pregnancies complicated by fetal growth restriction via KLF6 and MT1-MMP(MMP-14) pathways.
11. Role of ambulatory blood pressure monitoring in the diagnosis of hytensive disordernduring pregnancy in high-risk antenatal mothers a randomized trial
12. Prevalence and spectrum of major structural anomalies in fetuses and neonates at AIIMS Jodhpur
13. An observational study of prevalence of vitamin D deficiency in pregnant woman and its association with gestational diabetes
14. Study of procedure related complications and feto-maternal outcome in intrauterinr transfusion and cordocentesis at tertiary centre

### **Examinership**

1. MD exam at SPMC Bikaner, AIIMS Rishikesh, AIIMS Bhubaneswar AIIMS Bhopal,
2. Thesis evaluation for NBE, AIIMS Rishikesh, JIPMER and AIIMS Bhubaneswar
3. Conducted NBE practical exam at AIIMS Jodhpur on 5th March 2024 4
4. Evaluator for NBE OSCE in March 2024
5. Thesis evaluation for JIPMER, AIIMS Rishikesh and DNB

### **Member Selection Committee:**

1. For selection and promotion of faculty at AIIMS Patna, AIIMS Gorakhpur; AIIMS Deoghar and GIMS Noida and recruitment at KGMU Lucknow
2. UPSE Delhi for grade 3 specialist

### **Membership/Post in Journal or Society or Association**

1. Membership in Societies: Indian Menopausal Society, Association of Gynecologic Oncology of India, FOGSI, ISO, ISCCP
2. Reviewer:
  - a. International; Journal of Gynecology and Obstetrics[IJGO]
  - b. Journal of Obstetrics & Gynecology of India [JOGI]
  - c. Taylor & Francis Journal- Journal of Obstetrics & Gynecology ( JOG)
  - d. BMJ case reports
  - e. Annals of Medicine
  - f. BMC pregnancy and child birth

### **National/ International Conferences attended:**

1. Attended dissemination meeting of PCOS online on 28.10.2023
2. Attended meeting of ROBSONS classification of LSCS organized by FOGSI
3. Attended meeting for reducing caesarean section organized by Jaipur OG society and Prayaas foundation on 22.11.2023
4. Attended AGOI conference at Bhubaneswar 23-24 Nov 2023
5. Attended FEMTEK conference, organized by FOGSI at Mumbai 25-26 Nov 2023
6. Attended national AOGIN conference at Rishikesh Sept 2023

7. Attended 2<sup>nd</sup> conference of Rajasthan chapter of AGOI at Jaipur in April 2023

**Name of Faculty: Dr Shashank Shekhar**

**Designation: Professor**

**Papers Presented:**

1. Shekhar S\*, Singh P, Sharma P, Goyal M, Sharma C, Kharsodiya K. A pilot study of circulating MicroRNA-125b as a Diagnostic & Prognostic Biomarker for Epithelial Ovarian Cancer. 24<sup>th</sup> European Congress on Gynecological Oncology (ESGO 2023), Sep 28<sup>th</sup> – 1<sup>st</sup> October 2023. Istanbul, Turkey.

**Sessions Chaired:**

1. Research Methodologies. AGOICON 2023. 24<sup>th</sup> – 26<sup>th</sup> Nov 2023. Hotel Swosti Premium Bhubaneswar.

**Invited Lectures**

1. “CVJ Guided Technique of Total Laparoscopic Hysterectomy”. Gynae Endocon-II – Live Operative Workshop & Conference” 4<sup>th</sup> Nov. 2023. Sher-e-Kashmir Institute of Medical Sciences, Srinagar.

**Symposium Speaker**

1. “TLH Simplified”. CME on Minimally invasive Gynecological Surgery, 7<sup>th</sup> & 8<sup>th</sup> Nov 2023, AIIMS Gorakhpur.

**Resource Faculty ( Live Operating Faculty):**

1. EZSELSICON 2023, 14<sup>th</sup> -16<sup>th</sup> Sep 2023, AIIMS Bhubaneswar.
2. Live Laparoscopic Workshop-cum-CME. 23<sup>rd</sup> February 2024. JLN Medical College, Ajmer.
3. Gynae Endocon-II - Live Operative Workshop & Conference” 4<sup>th</sup> Nov. 2023. Sher-e-Kashmir Institute of Medical Sciences, Srinagar.

**Research Project:**

**Ongoing:**

**As Principal Investigator**

Laparoscopic Neo-Vaginoplasty: A single Centre experience

**As Co-Investigator**

1. Implementation of enhanced recovery after surgery protocol in total laproscopic hysterectomy- A prospective randomised control trial
2. Improving the data entry record of Major and Minor surgical procedures in operation theatres to provide real-time surgical health statistics in Obstetrics & Gynecology at a tertiary care centre- A Quality Improvement Project.

3. Ice Packs for Post-operative pain: A Randomized Control Trial Analytic quality control and performance assessment of cervical cytology at a tertiary care referral centre in North West India
4. Identification of HPV independent premalignant and malignant squamous lesions of cervix and role of morphology, p53, beta-catenin and Ki67 immunohistochemistry in differentiation from HPV associated lesions
5. Expression of CD34, SMA and D2-40 in intraepithelial neoplasias and squamous cell carcinoma of uterine cervix.
6. Trans-umbilical v/s transabdominal lateral port tissue retrieval of benign adnexal masses in minimally invasive surgery: a prospective randomised controlled trial.
7. Clinico-radio-pathological spectrum of ovarian and uterine malignancies at AIIMS, Jodhpur: our experience.
8. An observational study of vitamin D deficiency in pregnant Indian women and its association with gestational diabetes mellitus (Extramural)
9. Analysing cell free DNA (cfDNA) in benign and malignant ovarian tumor and its correlation with histopathological subtype of ovarian cancer
10. Study of procedure related complications and feto-maternal outcome in intrauterine transfusion and cordocentesis at tertiary centre

#### **Completed:**

##### **As Principal Investigator**

1. Perioperative Outcome of Total Laparoscopic Hysterectomy after learning curve of a surgeon: A Retrospective Study
2. Clinical Phenotypes and genetic regulation of Endometriosis in Indian Women ( Extramural-DBT/Welcome Trust) ( NIRRH , Mumbai

##### **As Co-Investigator**

1. Utility of fallopian tube brush cytology as a screening tool for epithelial ovarian cancers in women undergoing Gynecological surgeries for benign and malignant conditions

#### **Examinership**

1. MBBS. AIIMS Bhatinda. Dec. 2023
2. MD. JIPMER Puducherry. July 2023

#### **National/ International Conferences attended:**

1. Robo-Gyn-India 2023. Apollo Hospitals & Vattikutti Foundation. Sheraton Hotel. 12 th & 13 th August 2023.
2. ESGO 2023. 24 th European Congress on Gynecological Oncology. European Society of Gynecological Oncology. Istanbul. 28 th Sep – 1 st Oct 2023.
3. International Workshop on Study Design & Analysis of Clinical Trials. Kolkata Gynecological Oncology Trials and Translational Research Group. Sister Nivedita University, Kolkata. 21 st – 23 rd Dec 2023.
4. Endometriosis India 2.0.24. Endometriosis Foundation of India. 1 st – 3 rd March 2024. Hyderabad.
5. EZSELSICON 2023, 14 th -16 th Sep 2023, AIIMS Bhubaneswar
6. AGOICON 2023. AGOI Odisha Chapter. 24 th – 26 th Nov 2023. Bhubaneswar

**Name of Faculty: Dr Navdeep Kaur Ghuman**

**Designation: Additional Professor**

### **Books/Chapters**

1. Ghuman NK, Singh P. Preterm Premature Rupture of Membranes. In Labour and Delivery: An Updated Guide 2023 Aug 2 (pp. 405-418). Singapore: Springer Nature Singapore.

### **Papers Presented:**

1. AOGD-FOGSICON Medal for Best Paper on Gynaecology-Dr Dixa Yadav, Dr Navdeep Kaur Ghuman, Dr Garima Yadav, Dr Priyanka Kathuria-Oral Presentation- Effect of Intrauterine Instillation of Hyaluronic Acid Rich Media on Clinical Outcomes of Intrauterine Insemination Treatment
2. Dr Dinesh Choudhary, Dr Navdeep Kaur Ghuman, Dr Garima Yadav, Dr Priyanka Kathuria -Oral presentation-Adverse effect of chemotherapy on ovarian reserve-how bad is the impact?, Endocraft 2023, 15-16 th July, 2023, Jodhpur, Rajasthan
3. Dr Deepika Bohra, Dr Priyanka Kathuria, Dr Navdeep Kaur Ghuman, Dr Pratibha Singh-Transverse vaginal septum presenting as secondary amenorrhea: a rare clinical presentation. Endocraft 2023, 15-16 th July, 2023, Jodhpur, Rajasthan
4. Dr Amisha Pandit, Dr Navdeep Kaur Ghuman, Dr Priyanka Kathuria, Dr Garima Yadav, Dr Pratibha Singh-Oral Presentation- Comparison of hysterosalpingography with Hysterolaparoscopy: A Retrospective study, Endocraft 2023, 15-16 th July, 2023, Jodhpur, Rajasthan

### **Sessions Chaired:**

1. Virtual CME-Fertility Preservation in Children & Adolescent Cancers “Life beyond Cancers” AIIMS New-Delhi, Session Chairperson (Psychological dimensions of cancer in adolescents and children), 12 th February 2022

### **Invited Lectures**

1. 15 th Biennial ISPAT Conference in association with ISAR- Fertogenetics 2023, Speaker Recent advances in sperm selection in ART and 2 nd lecture on niPGT vs PGT, 28-30 th April, Hotel the Clarks, Varanasi,
2. “CME: Clinical innovations and updates on fertility organized by IFS Rajasthan Chapter, Panelist: Case based discussion on Diagnosis & Management of Infertility
3. CME by Alwar Obstetric & Gynecological Society, Invited Speaker , title: Female Reproductive and Endocrine Disorders: A Revolutionary Approach towards Cure 4 th June, Hotel Lemon Tree, Alwar
4. Endocraft 2023, Joint meeting of IAGE and ISAR, Invited Speaker, title: Genital TB and its Challenges, 15-16 th July, 2023, Jodhpur
5. Indian Fertility Society (IFS) Webinar, Panelist, Panel discussion-Challenges in day to day practice in managing poor responders, 21-7-23
6. Public Lecture-Medicine as a Career, Career Fair, Bodhi International School, Jodhpur, 25 th April, 2023

**Extramural Research Projects Ongoing:**

1. Site PI-A real-world prospective study to evaluate the geographical distribution of prevalence, sensitization rate, and utilization of prophylactic treatment of Rh-negative women in India-Ongoing
2. Co-PI-COVID-19 vaccinations in pregnancy: the COVIP Study-ICMR funding -Ongoing
3. Co-PI "DNA Methylation analysis in infertile males for high pesticide use areas of Rajasthan- Technically approved by DHR
4. Co-PI "Effect of Early Periodontal Therapy on Pregnancy Outcomes- A Randomized Control Trial"

**Intramural Funded Project as PI:**

1. Variation in sex steroid hormone receptor expression in fallopian tubes of women with tubal ectopic gestation-ongoing
2. To assess the validity of references ranges of different semen parameters recommended by WHO laboratory manual for the Examination and processing of human semen and to analyse the correlation of sperm DNA fragmentation levels with male fertility status-Completed this year, published.
3. Predictors of ovarian function reserve in premenopausal patients with breast cancer-completed this year, publication under review

**Research projects ongoing-****As PhD/DM projects:**

- 1) Estimation of Soluble fms-like tyrosine kinase-1 (sFlt-1) and Placental growth factor (PIGF) ratio for differentiating Small for Gestational age (SGA) and Fetal Growth Restriction (FGR)– A Prospective Cross-sectional study- Guide
- 2) Effect of high dose vitamin D3 in postpartum mothers on vitamin D status of moderate and late preterm newborns receiving mother's own milk. A 3 month follow-up randomised controlled trial-Co-Guide
- 3) Assessment of Cardio-metabolic and bone health in polycystic ovarian disease patients and their relationship with serum follistatin levels-Co Guide

**As Chief Investigator/Guide:**

1. Blood levels of heavy metals among the infertile and fertile population: a Case-Control study
2. Impact of Dietary modification and exercise program during pregnancy on maternal outcomes: a randomized controlled trial
3. Comparison and assessment of the performance of PREP-S, PIER-L, full PIERS and mini-PIERS risk prediction models in patients of preeclampsia for predicting adverse maternal and fetal outcomes.
4. To evaluate the accuracy of hysterosalpingography (HSG) in predicting tubal blockage in infertile patients.

**As Co-Investigator/Co-Guide:**

1. Comparison of temporal and spatial gait parameters of pregnant women in third trimester and six weeks postpartum
2. Short term vs extended course of LMWH post major gynaecological surgery-A randomised controlled trial

3. The effect of concentration of heavy metals (Lead , arsenic and cadmium ) in blood and seminal fluid of sub-fertile couples on concentration, motility and morphology of sperm
4. The Effect of psychosocial counselling on depression and Fertility Quality of life in couples embarking on infertility treatment- A randomised controlled trial.
5. Comparison of human Umbilical-cord-derived versus Adipose-Tissue derived mesenchymal stem cell intra-articular injection for knee osteoarthritis
6. Comparison of cervico vaginal microflora in infertile vs asymptomatic healthy parous women
7. Comparison of the effects of minimally invasive hysterectomy with bilateral salpingectomy vs open hysterectomy with bilateral salpingectomy on ovarian function and menopause symptoms
8. Effect of Preoperative Use of Intravenous Tranexamic acid in Reducing Blood loss During Caesarean Section : Double Blinded Randomized Controlled Trial
9. The prevalence of autoimmune disease in pregnant women and its impact on obstetric and neonatal outcome at tertiary care hospital in North western India
10. Monitoring Labour with AI-based Software for Prediction of fetal distress-a validation study
11. Effect of Prophylactic Addition of Intrauterine Misoprostol to the Standard Oxytocin Versus Standard Oxytocin alone for Prevention of Primary PPH:A Randomised Control Trial
12. Knowledge, attitude and awareness regarding fertility among women attending infertility OPD of AIIMS Jodhpur.
13. A Randomized Controlled Trial Comparing Effectiveness of Oxytocin withMethylergometrine With Oxytocin Alone in Patients Undergoing Intrapartum Cesarean Section

#### **Completed Research Projects in year 2023-2024:**

##### **As Principal Investigator:**

1. To assess the validity of references ranges of different semen parameters recommended by WHO laboratory manual for the Examination and processing of human semen and to analyse the correlation of sperm DNA fragmentation levels with male fertility status.
2. Predictors of ovarian function reserve in premenopausal patients with breast cancer
3. Effect of Intrauterine Instillation of Hyaluronic Acid-Rich Media on Clinical Outcomes of Intrauterine Insemination Treatment: A Randomized Control Trial
4. The Effectiveness Of Self-measured Symphysis Fundal Height As Screening Tool For Diagnosing Small For Gestational Age Fetuses
5. Interobserver and Interobserver variability in CTG interpretations– A hospital-based Prospective Observational study

##### **As Co-Investigator**

1. High Diversity in the Vaginal Microbiome in Women following Preterm Premature Rupture of Membranes (PPROM) and its effect on fetomaternal outcome.
2. Utility of fallopian tube brush cytology as a screening tool for epithelial ovarian cancers in women undergoing gynaecological surgeries for benign and malignant conditions-Intramural research grant
3. Expression and association of micro-RNAs (mir-424 and mir-519d) in pregnancies complicated by Fetal Growth restriction via KLF 6 and MT1- MMP (MMP-14) pathways.
4. Effect of Intravenous Tranexamic acid in addition to active management of the third stage of labour on postpartum blood loss in vaginal delivery: A double-blinded randomized controlled trial



5. Pre-COVID and COVID experience of objective structured clinical examination (OSCE) as a learning tool for post-graduate residents in Obstetrics & Gynecology-a quality improvement study
6. Role of ambulatory blood pressure monitoring in the diagnosis of hypertensive disorders during pregnancy in high-risk antenatal females: a randomized controlled trial.
7. Prevalence and Spectrum of Major Structural Anomalies in Fetuses and Neonatal at AIIMS, Jodhpur: Understanding the Risk Factors
8. Level of complacency on both ends in a telemedicine clinic
9. Prevalence of Group B Streptococcus Colonization and Its Antibiotic Susceptibility Pattern Amongst Pregnant Women Near Term
10. Impact of early versus late initiation of oral intake in postoperative period following any major benign gynaecological procedure and caesarean section
11. Genetic counselling at a tertiary care center in northwestern India

#### **Scientific Awards/Patents:**

1. Awarded the prestigious ISAR (Indian Society of Assisted Reproduction) Appreciation Award

#### **Examinership**

1. MBBS Final Practical examination, AIIMS Bathinda, 21 st Feb 2024
2. MD Examination, AIIMS Jodhpur, 7-8 th December 2023
3. MD Examination, AIIMS Jodhpur, 19-20 th June 2023

#### **Subject Expert in Selection Committee:**

1. Subject Expert for AIIMS Bhubaneswar selection committee for Antenatal Officer
2. Subject Expert for AIIMS Bhubaneswar selection committee for Senior Residents

#### **Membership/Post in Journal or Society or Association -**

1. American College of Surgeons (ACS)
2. American Society of Reproductive Medicine (ASRM)
3. European Society of Human Reproduction and Embryology (ESHRE)
4. Indian Fertility Society (IFS)
5. Indian Society for Assisted Reproduction (ISAR)
6. Indian Society for the Study of Reproduction and Fertility (ISSRF)
7. Association of Gynecologists and Obstetricians of India (AOGD)
8. The Federation of Obstetric and Gynaecological Societies of India (FOGSI)
9. Society of Fetal Medicine (SFM)

#### **National/ International Conferences attended:**

##### **Faculty Development Program Attended:**

1. One Week Online Faculty Development Programme to Develop Skill Panorama on Research Methodology Based Data Analysis Using R, August 21-27, 2023
2. Capacity building workshop on medication safety in collaboration with WHO (India office), 30th Nov-1st Dec 2023, AIIMS Jodhpur

**Courses Attended:**

1. European Society of Human Reproduction and Embryology (ESHRE) course on Trouble shooting for Embryo transfer 28-09-23.
2. One week observer ship at RMU (Reproductive Medicine Unit) CMC Vellore to get insight into management of ART unit, 2023
3. One week observer ship at Reproductive Medicine, AIIMS Delhi to get insight into management of unit ART unit, 18-23 rd Sep 2023

**Name of Faculty: Dr Charu Sharma****Designation: Additional Professor****Papers Presented:****As Principal Author-**

1. Sharma C, Singh P, Shekhar S, Gothwal M, Jhirwal M, Singh K. Clinical Utility of Whole Exome Sequencing in Diagnostic Yield Of Non-Immune Hydrops Fetalis- at 9 th Asia Pacific Conference on Fetal Therapy' held on 3 rd to 5 th November 2023 at Chennai. Received second prize
2. Sharma C, Shekhar S, Singh P, Gothwal M, Goyal M, Jhirwal M, Surekha B, Das S. Maternal and neonatal outcome and multidisciplinary management of Placenta Accreta Spectrum (PAS)- A single centre experience at INSUOG 2023, 5 th to 7 th May Bangalore Poster

**As Co-author-**

1. Authors: Shagufta Anjum, Charu Sharma, Pratibha Singh, Taruna Yadav, Meenakshi Gothwal, Kuldeep Singh. Prevalence of Fetal Skeletal Dysplasia on molecular testing and spectrum of genes involved (Genomic profiling)- An Observational study in Western Rajasthan, at International Conference on Ultrasound Imaging- Sonobelgia, on 31 st Aug- 2 nd Sep 2023 at Jaipur. [Received First Prize.]
2. Authors: Anshivi Raje, Meenakshi Gothwal, Pratibha Singh, Garima Yadav, Charu Sharma, Priyanka Kathuria. Assessing The Efficiency of Prophylactic Use of Local Tranexamic Acid During Vaginal Hysterectomy To Reduce Intraoperative Blood Loss – A Double Blind Randomised Controlled Trial- at Annual Conference of AOGD- FOGSI PG Conference on 18 th to 20 th August, 2023 at Leela Ambience Hotel Delhi. (Received First Prize)
3. Authors: Shagufta Anjum, Charu Sharma, Dolat Singh Shekhawat, Nayan Tada, Pratibha Singh, Kuldeep Singh. Title- Prenatal diagnosis of deletional persistent haemoglobin F (Hb F) disease – a diagnostic challenge at 6 th Hematology Update at AIIMS Jodhpur on 10 th & 11 th February 2024. [Second Prize in Poster]
4. Authors: Rajiv Kumar, Shashank Shekhar, Charu Sharma, Meenakshi Rao, Suman Patra, Pratibha Singh. Title- In the face of a rare foe: Aggressive Angiomyxoma of the Vulva a case report and literature review at 2 nd RAJ AGOI CON on 29- 30 April 2023 at Hotel Royal Orchid Jaipur

**Invited Lectures:****A. Speaker**

1. Prenatal Diagnosis (Hemophilia/Thalassemia) in the 8th Midterm PHO CME on 22nd and 23rd July 2023 at AIIMS Jodhpur.
2. "Induction of Labour -updates" in a CME by Jodhpur Obstetrics & Gynecological Society on 15th Sep 2023 at Hotel Ajit Bhawan Jodhpur.
3. Prenatal care and management of high risk mothers to improve neonatal outcome in the Seminar on "Reducing Neonatal Mortality and Morbidity: The solutions" on 21 st November 2023 on occasion of Newborn Week Celebration on 21 st November 2023 at AIIMS Jodhpur.
4. "Screening of Aneuploidies" in Diagnostic and Basic Interventional Procedures in Fetal Medicine- Hands on Workshop on 27 th & 28 th October 2023 at AIIMS Jodhpur.

#### **Panel Discussion: as Panelist/ Moderator**

1. Panelist: Trouble shooting in Caesarean section in Happy Learning Webinar Series on 4<sup>th</sup> April 2023 [Online]
2. Panelist: Twins – The issues of Abundance in the annual conference of Society of Fetal Medicine, UP Chapter on 22 nd to 23 rd April 2023 at Taj Ganges, Varanasi
3. Panelist: Panel on " Do all Fetal Anomalies need termination?" by Society of Fetal Medicine on 28 th September 2023 [Online]
4. Moderator: Soft Markers Part II in continuation with Hydropic Baby (NIHF) case based panel by Society of Fetal Medicine on 21 st December 2023 [Online]
5. Moderator: Case Presentation on Hemoglobinopathies, Online meeting of SFM on 6<sup>th</sup> March 2024.

#### **Resource Faculty: as Organising Secretary**

1. Workshop on Ultrasound Conducted on 19 th and 20 th August 2023, Invited Faculty – Dr. Kuldeep Singh from Delhi.
2. Workshop on Diagnostic and Basic Interventional Procedures in Fetal Medicine- on 27 th and 28 th October 2023 at Skill Lab, AIIMS Jodhpur.

#### **Research Project:**

##### **Ongoing**

##### **As Principal Investigator (Intramural)**

1. Comparison of Cervico-vaginal microflora in infertile vs asymptomatic healthy parous women- A case control study. Funded by AIIMS Jodhpur [INR 5,00,000] (Dr. Charu Sharma, Dr. Sarika Kombade, Dr. Shashank Shekhar, Dr. Pratibha Singh, Dr. Navdeep Kaur Ghuman, Dr. Manisha Jhirwal, Dr. Meenakshi Gothwal)
2. Segmental duplication analysis using cell-free fetal DNA as a potential non-invasive prenatal testing method for aneuploidies" Funded by AIIMS Jodhpur [INR 10,00,000] (PI- Charu Sharma and Varuna Vyas)

##### **Intramural projects as Co-PI**

1. Correlation of maternal and fetal serum 'Orexin A'level with insulin resistance in GDM patients. Funded by AIIMS Jodhpur. (Dr. Manisha Jhirwal as PI)

2. Histo-morphometry of placenta, pro-inflammatory cytokines levels and IL6 gene expression in pre-gestational obese pregnant women without any history of chronic disease or pregnancy induced complications. Intramural Project (Dr. Nikha Bhardwaj as PI from Anatomy)

### **Non-Funded Projects (Ongoing)**

#### **As Principal Author**

1. Genetic Variant Analysis on Next Generation Sequencing in women seeking Prenatal diagnosis or Pre-conceptional Counselling - A Retrospective study
2. Improving the data entry record of Major and Minor surgical procedures in operation theatres to provide real-time surgical health statistics in Obstetrics & Gynecology at a tertiary care centre- A Quality Improvement Project.
3. Prevalence of Fetal Skeletal Dysplasia on molecular testing and spectrum of genes involved (Genomic profiling)- An Observational study in Western Rajasthan.

#### **As Co-PI**

1. Screening and Diagnosis of Spinal Muscular Atrophy using Droplet Digital PCR.
2. Screening for Sickle cell anaemia and other hemoglobinopathies in newborns, pregnant women (ANC) and family members in Rajasthan.

### **Completed Projects:**

1. Prenatal diagnosis of Non immune Hydrops Fetalis and their perinatal outcome- Single centre experience
2. Maternal and Foetal outcomes and multidisciplinary management of Placenta Accreta Spectrum (PAS) within a single tertiary centre'

### **Scientific Awards/Patents- NA**

1. First Prize in Oral Presentation on – Prevalence of Fetal Skeletal Dysplasia on molecular testing and spectrum of genes involved (Genomic profiling)- An Observational study in Western Rajasthan. [Authors: Dr. Shagufta Anjum (Post Doctoral Fellow in Fetal Medicine) Dr. Charu Sharma as Guide, Dr. Pratibha Singh, Dr. Taruna Yadav, Dr. Meenakshi Gothwal, Dr. Kuldeep Singh]
2. Second Prize in E poster- (Cash Prize of 5000) Clinical utility of Whole Exome Sequencing in diagnostic yield of Non-immune Hydrops Fetalis at 9 th Asia Pacific Conference on Fetal Therapy' held on 3 rd to 5 th November 2023 at Chennai.
3. I was awarded a certificate of appreciation on the 1st annual research day for contributing a book chapter.
4. I received a certificate from Wiley for the Top Downloaded article for my paper during its first month of publication.

### **Membership/Post in Journal or Society or Association -**

1. Elected as Secretary Rajasthan State Chapter of Society of Fetal Medicine for 2 years April 2024- March 2026.
2. Reviewer
  - a. Journal- BMJ case Reports.

- b. Journal of Obstetrics & Gynaecology (Taylor and Francis)
- c. American Journal of Obstetrics and Gynecology- Global Reports
- d. Annals of National Academy of Medical Sciences
- e. Cancer Reports
- f. International Journal of Women's Health

**Membership:**

- 1. International Society of Ultrasound in Obstetrics and Gynecology (ISUOG) Annual Renewal

**National/ International Conferences attended:****Courses/ Workshops:**

- 1. Annual Conference of Society of Fetal Medicine, UP Chapter on 23 rd and 24 th April 2023 At Hotel Taj Ganges in Varanasi
- 2. Conference and Workshop on Ultrasound in Obstetrics by the Indian Society of Ultrasound in Obstetrics and Gynaecology (INSUOG) from 5 th May to 7 th May 2023 at Hotel Sherraton Grand Bangalore
- 3. 9 th Asia Pacific Conference on Fetal Therapy' held on 3 rd to 5 th November 2023 at Chennai. (Workshop in fetal interventions)

**Any other information: Yes**

- 1. Co-ordinator Post-doctoral Fellowship Course in Fetal Medicine
- 2. Adjunct Faculty, School of Public Health.
- 3. Member of 'Industry Sponsored Clinical Trial Advisory Committee' of Institute.
- 4. Member of the Biomedical Waste Management Committee of the Institute.

**Name of Faculty: Dr Manu Goyal****Designation: Additional Professor****Papers Presented: as Co-author**

- 1. Familial uterine leiomyoma in a young female. Authors: Megha, Manu Goyal, Pratibha Singh, Vikram Vishwajeet
- 2. Superior hypogastric nerve plexus block for pain prevention after Minimally invasive Gynecology surgeries: A prospective randomized controlled trial. Neha Agrawal, Shashank Shekhar, Pratibha Singh, Manu Goyal, Garima Yadav.

**Sessions Chaired:**

- 1. Session on IVF (Enhancing success, Latest in ART laws, Ovarian PRP, ERA in IVF). COSGYNAE 2023: International Interdisciplinary Aesthetic Gynecology & Infertility Annual conference on 29 & 30th July 2023 at Hotel Hyatt Regency, Chandigarh.
- 2. Session on Live surgery (TLH) in Endoscopy & Infertility Workshop on 17<sup>th</sup> December 2023 at Hotel Royal Orchid, Jaipur.

3. Session on hysteroscopy prior to IVF: what to see. Endoscopy & Infertility Workshop on 17th December 2023 at Hotel Royal Orchid, Jaipur.
4. Symposium on Controversies in IVF, DHEAS in IVF patients, DNA fragmentation in male infertility. National Conference of ISAR on 2-4th February 2024 at Hotel Mayfair Lagoon, Bhubaneswar.
5. Judge for oral paper presentation. National Conference of ISAR on 2-4<sup>th</sup> February 2024 at Hotel Mayfair Lagoon, Bhubaneswar.

**Invited Lectures:**

1. IUI indications & protocols. Endoscopy & Infertility Workshop on 17th December 2023 at Hotel Royal Orchid, Jaipur.

**Symposium Speaker:**

1. Conducted Online East Zone Quiz on Infertility including teams from 4 states for ISAR Zonal Quiz on 17<sup>th</sup> November 2023.
2. Quiz master for Infertility Quiz in National Conference of ISAR on 2-4<sup>th</sup> February 2024 at Hotel Mayfair Lagoon, Bhubaneswar.

**Panel Discussion:**

1. Panel discussion on Recurrent Pregnancy loss. Endocraft 2023 ON 15<sup>th</sup> & 16<sup>th</sup> July 2023, at Hotel Indana, Jodhpur.
2. Panel discussion on hysteroscopy in recurrent implantation failure. COSGYNAE 2023: International Interdisciplinary Aesthetic Gynecology & Infertility Annual conference on 29 & 30<sup>th</sup> July 2023 at Hotel Hyatt Regency, Chandigarh
3. First aid and Emergencies: Handling situations in hospital and community as part of PRINT Program for training of Interns on 4<sup>th</sup> January 2024.

**Resource faculty:**

1. COSGYNAE 2023: International Interdisciplinary Aesthetic Gynecology & Infertility Annual conference on 29 & 30<sup>th</sup> July 2023 at Hotel Hyatt Regency, Chandigarh.
2. Endocraft 2023 at Hotel Indana, Jodhpur on 15 & 16<sup>th</sup> July 2023.
3. Endoscopy & Infertility Workshop on 17<sup>th</sup> December 2023 at Hotel Royal Orchid, Jaipur
4. Zonal Coordinator for East Zone Quiz (for 4 states) on Infertility ISAR zonal Quiz on 17<sup>th</sup> November 2023.
5. Quiz master for Infertility Quiz in National Conference of ISAR on 2-4<sup>th</sup> February 2024 at Hotel Mayfair Lagoon, Bhubaneswar.
6. Facilitator in Hands on Workshop on Diagnostic & Basic Interventional Procedures in Fetal Medicine on 27<sup>th</sup> & 28<sup>th</sup> October 2023 at AIIMS Jodhpur.

**Research Project:**

**Ongoing:**

**As Principal Investigator**

Extramural Project (DHR-GIA under ICMR)

1. Approved and sanctioned by DHR-GIA under ICMR (2021-2024) "An observational study of prevalence of Vitamin D deficiency in pregnant Indian women and its association with gestational diabetes mellitus"

#### **Others**

1. Implementation of ERAS protocol in total laparoscopic hysterectomy
2. Analysing cell free DNA (cf-DNA) levels in benign and malignant ovarian tumour and its correlation with histopathological subtype of ovarian cancer (Intramural AIIMS, Jodhpur): ongoing
3. Study on prevalence and outcome after an episode of severe acute maternal morbidity at a tertiary care centre in Western Rajasthan: ongoing
4. Study of procedure related complications and feto-maternal outcome in intrauterine transfusion and cordocentesis at tertiary centre: ongoing

#### **As Co-Investigator**

##### **Extramural Project:**

1. Approved and sanctioned by DHR: To assess the impact of endocrine disrupting chemical (EDC) exposure on DNA methylation in infertile males: A multicentric study in India
2. Approved and sanctioned by ICMR : NPAC study (National Pregnancy And Cardiac Disease in India) Study Group: Multicentric study

#### **Others:**

1. Transumbilical versus transabdominal lateral port tissue retrieval of benign adnexal mass in minimally invasive gynecological surgery: a prospective randomized control trial
2. Ice packs in post-operative pain after minimally invasive surgery
3. Clinical and cytological profile of HPV genotypes distributed in patients with or without cervical lesions in a tertiary care centre from western Rajasthan (Intramural, AIIMS Jodhpur)
4. Study of inflammatory infiltrate & HPV typing in patients with cutaneous & ano-genital warts (Intramural, AIIMS Jodhpur)

#### **Completed:**

##### **As Principal Investigator**

1. Assessment of efficacy of various Local Anaesthetic modalities on Pain Relief during Endometrial Biopsy: a randomized control trial (Non-funded)

#### **As Co-Investigator**

1. Role of circulating micro-RNA in benign and malignant ovarian tumor (Intramural project, AIIMS, Jodhpur): completed

#### **Examinership:**

##### **External Examiner:**

1. External Examiner for MBBS Final Professional Exam (Supp) at Dr SN Medical College, Jodhpur from 22nd June 2023.

2. External Examiner for MBBS Final Professional Exam at Dr SN Medical College, Jodhpur from 5-8th February 2024.
3. Internal Examiner: for MBBS Final Year Examination on 11-13th December, 2023 at AIIMS Jodhpur
4. Internal Examiner: for MBBS Final Year Examination (Suppl) on 16th February, 2024 at AIIMS Jodhpur
5. Thesis evaluation expert: PG Thesis evaluation of June 2023 & January 2024, AIIMS Delhi

#### **Membership/Post in Journal or Society or Association**

1. Assistant Editor of Journal of Pregnancy and Child Health
2. Assistant Editor of Journal of Paediatrics, Obstetrics & Gynecology
3. Editorial member of International Journal of Advances in Gynecology and Obstetrics
4. Editorial Member of Indian Heart Journal
5. Reviewer of Indian Journal of Clinical Biochemistry
6. Reviewer of Journal of Obstetrics & Gynecology Research
7. Reviewer of Journal of Gynecological Surgery

#### **Member of society/ Organisation:**

1. Membership of Federation of Obstetricians and Gynecologists of India (FOGSI)
2. Member of AGESR (Association of Gynae Endoscopic Surgeons of Rajasthan)
3. Member of Jodhpur Gynecology & Obstetrics Society
4. Member of ISAR (Indian Society of Assisted Reproduction)
5. Member of Indian fertility Society (IFS)
6. AMASI: Association of Minimal Access Surgeons of India

#### **National/ International Conferences attended:**

1. COSGYNAE 2023: International Interdisciplinary Aesthetic Gynecology & Infertility Annual conference on 29 & 30th July 2023 at Hotel Hyatt Regency, Chandigarh.
2. Endocraft 2023 at Hotel Indana, Jodhpur on 15 & 16th July 2023.
3. Endoscopy & Infertility Workshop on 17th December 2023 at Hotel Royal Orchid, Jaipur
4. Zonal Coordinator for East Zone Quiz (for 4 states) on Infertility ISAR zonal Quiz on 17th November 2023.
5. Quiz master for Infertility Quiz in National Conference of ISAR on 2-4th February 2024 at Hotel Mayfair Lagoon, Bhubaneshwar.
6. Facilitator in Hands on Workshop on Diagnostic & Basic Interventional Procedures in Fetal Medicine on 27th & 28th October 2023 at AIIMS Jodhpur



**Name of faculty: Dr Garima Yadav**

**Designation: Additional Professor**

**Papers Presented:**

1. Yadav G. "Utility of fallopian tube brush cytology as a screening tool for epithelial ovarian cancers in women undergoing Gynecological surgeries for benign and malignant conditions" in ESGO from 29 th September- 1 st October'2023 at Istanbul, Turkey.

**Sessions Chaired: one**

1. Implications of biosignatures in the progression of endometriosis. North Zone ACBI conference 2024 organised 1 st -3 rd feb'2024 by the department of biochemistry at AIIMS, Jodhpur.

**Invited Lectures:**

1. Oral ovulogens at ENDOCRAFT 2023 ,(15-16 July'23), Hotel Indana, Jodhpur.
2. Cervical cancer landscape in India: current screening guidelines with recent updates In clinical meet on Role of LBC in cervical cancer screening organised by the department of Pathology and lab medicine, on 27 th Feb'2024, AIIMS, Jodhpur.

**Symposium Speaker**

1. CGR on "Gestational trophoblastic Neoplasia" on 12th April'2023 at AIIMS, Jodhpur

**Resource Faculty:**

1. Panel moderator for "Quality indicators in Endometrial Cancer" in RAJAGOICON 2023, (29 th -30 th - April) in Jaipur.
2. Panelist in "Fertility preservation in breast and gynecologic cancers" in AOGIN 2023 from 15-17 september'2023, AIIMS Rishikesh.
3. Discussant for "Exploring commonalities and avenues for collaboration- (clinical care, Training, Research) in AIIMS oncology conclave, 10-11 Feb'2024 at National Cancer Institute AIIMS New Delhi.
4. Master of ceremony for Gearing up for cervical cancer elimination webinar series on "Management of cervical Cancer" organised by the AOGD Oncology committee on 25 th April'2024.
5. Panelist "Cancer prevention in young women" organised by the AOGD oncology sub-committee for cervical and breast cancer prevention and awareness committee on 29 th April'2024.
6. Expert on Teenage pregnancy and contraception at Indo-egyptian adolescent health initiative 2024 on 13 th June organised by National Association of Mentors of Adolescent Health (NAMAHA)

**Research Project:**

**Ongoing:**

**As Principal Investigator:**

1. External validation of clinical prediction model (ECSIL) for caesarean delivery after induction of labor in singleton pregnancies at term gestation.
2. Transumbilical v/s transabdominal lateral port tissue retrieval of benign adnexal masses in minimally invasive surgery: a prospective randomized controlled trial.

#### **As Co-Investigator:**

1. To study the prevalence of Bisphenol A toxicity and its metabolic and hormonal effects in females with polycystic ovarian syndrome.
3. Ice packs for post-operative pain
4. Implementation of ERAS protocol in total laparoscopic hysterectomy.
5. Variation in sex steroid hormone receptor expression in fallopian tubes of women with tubal ectopic gestation (Intramural).

#### **Completed:**

#### **As Principal Investigator:**

1. COVID-19 vaccinations in pregnancy: the COVIP Study"- funded by ICMR and lead by AIIMS Jodhpur: Funding: 95 lacs, collaborators AIIMS Bhubaneswar, AIIMS Raipur, AIIMS Rishikesh and SMVMCH, Ponducherry.
2. Clinico-radio-pathological spectrum of ovarian and uterine malignancies at AIIMS, Jodhpur: our experience
3. Incidence, causes and perinatal outcomes of "near-miss" obstetric emergencies during COVID-19 pandemic - a study from a tertiary referral centre in western India.

#### **As Co-Investigator:**

1. Impact of COVID-19 pandemic on Obstetrics and Gynecology residency program in India.
2. Pre-conceptional folic acid intake: still in the boonies? Prevalance and causes of congenital anomalies in western India.
3. Role of ambulatory blood pressure monitoring in diagnosis of hypertensive disorders of pregnancy in high-risk antenatal females.
4. The effect of concentration of heavy metals (lead, arsenic and cadmium) in blood and seminal fluid of sub-fertile couples on concentration, motility and morphology of sperm.
5. Estimation of sFlt-1 and PIGF ratio for differentiating small for gestational age and fetal growth restriction- A prospective cross-sectional study.
6. Effect of intrauterine instillation of hyaluronic acid rich media on clinical outcomes of intra-uterine insemination treatment: A randomized controlled trial.
7. The effectiveness of self-measured symphysis fundal height as screening tool for diagnosing small for gestational age fetuses.
8. Blood levels of Heavy metals among the infertile and fertile population: a case-control study.
9. Short term v/s extended course thromboprophylaxis in women undergoing major gynecological surgeries: a Randomised controlled trial.

#### **Scientific Awards:**

1. ESGO certification in gynecologic oncology by the "European Society of gynecologic oncologists" organised at ESGO conference in Istanbul, Turkey.
2. IOTA certification for "USG in adnexal masses".

#### **Examinership:**

1. MBBS external examiner for final prof examination (December 2023) at AIIMS, Bhubaneshwar.

**Membership/Post in Journal or Society or Association:**

1. Editorial board member of "Journal of Colposcopy and Lower Genital Tract Pathology" which is the official journal of Indian society of cervical pathology and colposcopy.

**National/ International Conferences attended:**

1. RAJAGOICON 2023, Rajasthan state chapter of Association of Gynecologic oncologists of India, Jaipur, 29-30 April;2023.
2. ENDOCRAFT 2023, ISAR, Jodhpur, 15-16 July'2023.
3. AOGIN 2023, organised by Asia-Oceania Research Organisation in Genital Infection and Neoplasia, AIIMS Rishikesh, 15-17 september'2023.
4. ESGO 2023, European Society of Gynecological Oncologists, Istanbul, Turkey, 29 september-2 october'2023.
5. AIIMS Oncology onclave, NCI, Jajjhar, 10-11 Feb 2023.

**Name of faculty: Dr Meenakshi Gothwal****Designation: Additional Professor****Papers Presented: 4**

1. "Poster presentation on "Role of PALM COEIN classification of the underlying causes of Abnormal uterine bleeding and clinicopathological correlation at FIGO conference in Paris in October 23.

**List of papers, as the co-author, presented in the conferences: 3**

1. Utility of fallopian tube brush cytology as a screening tool for epithelial ovarian cancers in women undergoing Gynecological surgeries for benign and malignant conditions" in ESGO from 29 th September- 1 st October'2023 at Istanbul, Turkey
2. Assessing the Efficiency of Prophylactic Use of local Tranexamic acid during Vaginal Hysterectomy to reduce intraoperative blood loss -A Double Blinded Randomised Controlled Trial AOGD-FOGSI Conference 19-20 th Aug 2023
3. Endometrial stromal sarcoma as an ovarian cyst- ICC conference 30 JULY 2023

**Invited Lecture: 2**

1. Mode of delivery in previous complete perineal tear : C Section VS vaginal at FOGSI National conference controversies in Obst. & Gyne. (24-26 June 2023)
2. Screening of aneuploidies: Inverted Pyramid at YUVA FOGSI West zonal conference. (18-20 Nov 2023)

**Resource Faculty:2**

1. Diagnostic and Basic Interventional Procedure in fetal medicine hands-workshop at AIIMS Jodhpur 27-28 th Oct 2023
2. Basic Training Workshop on USG in OBG for faculty and residents Department of OBG AIIMS Jodhpur 19-20 August 2023

## **Research Project:**

### **Ongoing:**

#### **Chief Investigator: Submitted two proposals for ICMR extramural project**

1. Comparative Effects of Progressive Muscle Relaxation (PMR) Technique and Pranayama on Blood Pressure and Quality of Life in Third-Trimester Gestational Hypertension: A Randomized Controlled Trial
2. Efficacy and safety of Simaglutide vs Metformin among Overweight PCOS Women: A Randomised double-blind Controlled trial

### **As Co-Investigator**

#### **Extramural project-1**

1. COVID 19 vaccination in pregnancy -COVIP Study

#### **Intramural project -1**

1. Comparison of cervicovaginal microflora in infertile vs asymptomatic healthy parous women- A case-control study

### **Non-Funded Projects**

1. The effectiveness of self-measured symphysis fundal height as screening tool for diagnosing small for gestational age fetuses.
2. External validation of clinical prediction model (ECSIL) for caesarean delivery after induction of labor in singleton pregnancies at term gestation.
3. Transumbilical v/s transabdominal lateral port tissue retrieval of benign adnexal masses in minimally invasive surgery: a prospective randomised controlled trial.
4. Assessing The Efficiency Of Prophylactic Use Of Local Tranexamic Acid During Vaginal Hysterectomy To Reduce Intraoperative Blood Loss - A Double Blind Randomised Controlled Trial
5. To study the role of serum netrin-1 and urinary KIM 1 level in risk stratification of preeclampsia
6. Short course vs extended duration of LMWH post gynaecological surgeries – A randomised control trial

### **Completed:**

1. Role of cervical cancer biomarkers P16 and Ki67 in abnormal cervical cytological smear. (Intramural project)
2. Red cell alloimmunisation among antenatal women in AIIMS Jodhpur and their fetomaternal outcome (Intramural Project)
3. Knowledge, attitude and awareness regarding fertility among women attending infertility OPD of AIIMS Jodhpur
4. The Role of FIGO PALM-COEIN Classification of the Underlying Causes of Abnormal Uterine Bleeding and Clinicopathological Correlation of Patients Undergoing Hysterectomy
5. Impact of COVID-19 pandemic on obstetrics and gynecology residency training program in India: A national online survey.

**2. As Co-Investigator**

1. Spectrum of Heart Disease in Pregnancy and its Effects on the Formational Outcome: A Retrospective Study from Western
2. Effect of prophylactic addition of intrauterine misoprostol to the standard oxytocin versus standard oxytocin alone for prevention of primary pph during caesarean section: a randomised controlled trial
3. Lignocaine spray anaesthesia and maternal pain perception during mid-trimester amniocentesis: A randomised, double-blind, placebo-controlled trial
4. The spectrum of thyroid dysfunction during pregnancy and fetomaternal outcome, A study from the premier institute of Western India
5. Clinico-radio-pathological spectrum of ovarian and uterine malignancies at AIIMS, Jodhpur: our experience.
6. Incidence, causes and perinatal outcomes of “near-miss” obstetric emergencies during COVID-19 pandemic - a study from a tertiary referral centre in western India.
7. Role of ambulatory blood pressure monitoring in diagnosis of hypertensive disorders of pregnancy in high-risk antenatal females.
8. Assessing the Efficiency of Prophylactic Use of local Tranexamic acid during Vaginal Hysterectomy to reduce intraoperative blood loss -A Double Blind Randomised Controlled Trial

**Scientific Awards/Patents:****1 (As a coauthor-AOGD Best Paper award)****Examinership:2**

1. MBBS external examiner for Exit exam of final prof examination (December 2023) at Government Medical College Pali, Rajasthan 30 Jan 2024
2. External Examiner for exit exam of PDCC high-risk pregnancy and Fetal Medicine AIIMS Raipur 25 Aug 2023

**Membership/Post in Journal or Society or Association : 3**

1. Society of Fetal Medicine
2. FOGSI
3. AOGD

**National/ International Conferences attended: 4**

1. FOGSI National conference controversies in Obst. & Gyne. Jaipur (24-26 June 2023)
2. FIGO World conference in Paris on 9-12 October 23.
3. Diagnostic and Basic Interventional Procedure in Fetal Medicine hands-workshop at AIIMS Jodhpur 27-28 th Oct 2023
4. Basic Training Workshop on USG in OBG for faculty and residents Department of OBG AIIMS Jodhpur 19-20 August 2023

**Name of faculty: Dr Priyanka Kathuria**

## Designation: Associate Professor

### Papers Presented:

1. Kathuria P, Yadav G, Ghuman NK, Singh P, Jhirwal M. BILATERAL ENDOMETRIOMAS MASQUERADING SYNCHRONOUS ENDOMETRIAL AND OVARIAN CANCER (SEOC) IN AN INFERTILE FEMALE. The 12th Congress of the Asia Pacific Initiative on Reproduction (ASPIRE 2023). 7-10 th Sept. 2023. Online.
2. Bhimal A, Kathuria P, Singh P. The comparison of postoperative vaginal length after different types of hysterectomy and sexual function assessment : A prospective observational study. 36 th AICC RCOG Annual Conference. 28 th Sept.- 1 st Oct. 2023. New Delhi

### Sessions Chaired:

1. Skin rashes in pregnancy. CCC FOGSI. 29 th Sept- 1st Oct. 2024. Jaipur.

### Lectures

1. Panelist in a panel on "Male infertility". ENDOCRAFT 2023. 15-16 July 2023. Indana Palace. Jodhpur
2. Invited to chair a session on multicentric project titled 'Women's Health and Domestic violence against women during COVID-19 pandemic in India' at Delhi in December

### Research Project:

#### Ongoing:

#### As Principal Investigator

1. Expression and association of MicroRNAs (miR-424 and miR-519d) in pregnancies complicated by Fetal Growth restriction via KLF 6 and MT1-MMP (MMP-14) pathways. Intramural research grant. AIIMS Jodhpur.
2. The effect of concentration of heavy metals (Lead , arsenic and cadmium ) in blood and seminal fluid of sub-fertile couples on concentration, motility and morphology of sperm. AIIMS Jodhpur.
3. The effect of psychosocial counselling on depression and fertility Quality of life in couples embarking on infertility treatment: A Randomised controlled trial. AIIMS Jodhpur
4. The prevalence of Autoimmune disease in pregnant women and its impact on obstetric and neonatal outcome at tertiary care hospital in North western India. Non funded

#### As Co-Investigator

1. Estimation of Soluble fms-like tyrosine kinase-1 (sFlt-1) and Placental growth factor (PIGF) ratio for differentiating Small for Gestational age (SGA) and Fetal Growth Restriction (FGR)– A Prospective Cross-sectional study.
2. Correlation of maternal and fetal serum Orexin A level with insulin resistance in GDM patients. Intramural.
3. COVID-19 Vaccinations in Pregnancy: the COVIP study. ICMR
4. Role of heavy metals in PCOS and safety and efficacy of Sodium-glucose transporter- 2(SGLT-2) inhibitors in PCOS. ICMR
5. Short term vs extended course of LMWH post major gynecological surgeries: a RCT

**Completed:****As Principal Investigator**

1. Role of ambulatory blood pressure monitoring in diagnosis of hypertensive disorders during pregnancy in high risk antenatal females

**As Co-Investigator**

1. To evaluate the accuracy of hysterosalpingography (HSG) in predicting tubal blockage in infertile patients.
2. Effect of Intrauterine Instillation of Hyaluronic Acid-Rich Media on Clinical Outcomes of Intrauterine Insemination Treatment: A Randomized Control Trial
3. The Effectiveness Of Self-measured Symphysis Fundal Height As Screening Tool For Diagnosing Small For Gestational Age Fetuses
4. Blood levels of heavy metals among the infertile and fertile population: a Case-Control study
5. Cervical bacterial colonization in preterm premature rupture of membrane and its effect on foeto-maternal outcome

**Membership/Post in Journal or Society or Association -**

1. Member. FOGSI
2. Member. ISAR
3. Member. IUGA

**National/ International Conferences attended:**

1. Infections in OBGYN- CCC. FOGSI. Jaipur. 29 th Sept.- 1 st Oct. 2023
2. ASPIRE 2023. Online mode. Perth, Australia. 7 th – 10 th Sept. 2023

**Workshops organized by the Department****1. Workshop on Ultrasound in Obstetrics**

The workshop on “Ultrasound in Obstetrics” was organized on August 19<sup>th</sup> and 20<sup>th</sup>, 2023, for the residents and faculty. The objective of the workshop was to understand the basic use of equipment and to diagnose common congenital anomalies without missing them. Dr. Kuldeep Singh, a renowned radiologist from Delhi, gave lectures and live demonstrations on patients.



Hands-on training session during the workshop



Faculty and participants during the workshop

## 2. Workshop on Fetal Interventions 27<sup>th</sup> & 28<sup>th</sup> October

The Department of Obstetrics and Gynecology at AIIMS Jodhpur organized a two-day hands-on workshop on Fetal Medicine on October 27th and 28th, 2023. The workshop aimed to educate participants on diagnostic and basic interventional procedures in fetal medicine.

Dr. Pratibha Singh, the head of the department, welcomed 25 delegates from various locations, including Jodhpur, AIIMS Rajkot, Ajmer, Jaipur, Patna, and others. During her opening remarks, she emphasised that the fetus is considered an unborn patient, and various procedures and interventions are necessary to prevent and treat disorders in the growing fetus.

The workshop featured renowned experts in fetal medicine, such as Dr. Suresh Seshadri, Director of Mediscan Chennai, who discussed the basic principles of prenatal diagnosis and fetal therapies like radio-frequency ablation and laser treatment in twin complications. Dr. Mamatha Gowda from JIPMER elaborated on the treatment of Lower Urinary Tract Obstruction and pleural effusion and demonstrated how to give an intra-uterine transfusion. Professor Kuldeep Singh, Dean Academics, cleared doubts regarding various genetic tests offered for prenatal diagnosis. Dr. Charu Sharma talked about screening of aneuploidies and Dr. Nayan Tada DM Medical Genetics resident discussed how to draw the pedigree.



In the workshop area, the delegates practised procedures like amniocentesis and Chorionic villous sampling on simulated models.

The Executive Director of AIIMS Jodhpur graced the occasion and congratulated the Department of Obstetrics and Gynecology and the organizing team (Dr. Pratibha Singh, Dr. Charu Sharma and Dr. Meenakshi Gothwal) for conducting this workshop.



Faculty and participants during the workshop



Hand-on training sessions in progress

## Department of Ophthalmology

S.No.	Name	Designation
1	Dr Kavita R Bhatnagar	Professor & Head
2	Dr Seema Meena	Associate Professor
3	Dr Suwarna Suman	Assistant Professor
4	Dr. Jyoti Shakrawal	Assistant Professor
5	Dr Manjari Tandon	Assistant Professor
6	Dr Nikhil Agrawal	Assistant Professor
7	Dr Kirti Jaisingh	Assistant Professor

### About the Department

Department of Ophthalmology has been spreading its wings under the eminent leadership of our Head, Professor Kavita R Bhatnagar. At present, the Department of Ophthalmology is providing all the super-specialty services including Glaucoma, Squint, Neuro-Ophthalmology, Cornea, Retina, Paediatric Ophthalmology, ROP and Trauma/Emergency services apart from advanced cataract surgeries. With the advanced training of our faculty in ROP surgery at PGIMER, Chandigarh, we are the first and only government institute to provide the high-end surgery free of cost for the premature neonates in Rajasthan. In addition, AIIMS Jodhpur has emerged as the only government setup offering vitreoretinal surgeries at affordable prices not only in jodhpur but adjoining areas as well. Installation of portable Laser Indirect Ophthalmoscopes in OPD and OT have tremendously improved the quality of care of both paediatric and adult retinal diseases. Addition of Corneal Topography and Tomography has markedly improved the precision and planning of refractive surgeries, management of ectatic disorders and other corneal disorders. Now the patients are getting all kinds of advanced IOLs like Toric IOLs, Multifocal IOLs, Retropupillary and SFIOLs. Refractive surgeries in the form of ICL for high myopic patients is now being routinely done. Contact lenses like scleral lenses and Rose-K lens trails for keratoconus patients has been recently added to the armamentarium. With the HOTA certification and procuring corneas free of cost our department has been performing corneal transplants with the latest techniques(PK, ALK, DALK, DSEK, DMEK) and benefitting the society at large. Advanced ocular surface procedures like SLET, AMG and MMG are being routinely done in the department. An MOU was signed with RPC AIIMS Delhi for "Project Roshani" a CBM sponsored project for Community Ophthalmology. A Low Vision Clinic was started under the same project. All these specialised services are being offered under various schemes like Chiranjeevi and Ayushman Bharat, making it affordable and accessible to the poor and needy population. With the starting of Lasers and Intravitreal injections (free of cost) for babies with Retinopathy of prematurity ours is the only Ophthalmology department in the public sector in Jodhpur to offer all services under one roof.

The department has actively been involved in teaching programmes for the undergraduate and the post graduate students in the form of lectures, demos, clinical postings, integrated teaching, quiz and poster competitions. Subspeciality exposure has further improved undergraduate and postgraduate training. Participations in conferences under their respective mentors has further honed their confidence. Our team was instrumental in spreading awareness for common sight threatening diseases like glaucoma,

diabetic retinopathy and corneal blindness. CME, social media platform awareness, poster competitions and school screening activities have been carried out for the same. Our HOD, Prof Kavita R Bhatnagar has been actively associated with Community Ophthalmology services in the country and she completed a successful tenure and was reelected as President of ACOIN (Association of Community Ophthalmologists of India) Rajasthan State Chapter. Our young faculty has been bestowed with "Young Ophthalmic Teachers of India" award and Prof Kavita R Bhatnagar with "Sushrut Samaan" at the seventh National Assembly of Ophthalmology Teachers of India (FOTI) 2024 held at AIIMS New Delhi. Our pass out junior residents are doing fellowships from prestigious centers like LVPEI and USA.

### Compiled list of all Publications of the department

#### Papers

#### Pubmed Indexed:

1. Bhatnagar KR, Dixit SG, Pandey L, Prakash S, Shiromani S, Singh K. Digital eye strain among medical students associated with shifting to e-learning during COVID-19 pandemic: An online survey. *Indian J Ophthalmol*. 2024 Jan 1;72(1):98-104.
2. Srivastava K, Bhatnagar KR, Shakrawal J, Tandon M, Jaisingh K, Pandey L, Roy F. Ocular surface changes in primary open-angle glaucoma on anti-glaucoma medications versus treatment-naïve patients. *Indian J Ophthalmol*. 2024 Mar 1;72(3):374-380.
3. Suman S, Kumar A. (March 27, 2024) Eyelid Molluscum Contagiosum Presenting as a Giant Nodule with Chronic Refractory Conjunctivitis. *Cureus* 16(3): e57018. doi:10.7759/cureus.57018 [PubMed].
4. Gunasekaran PK, Jindal P, Laxmi V, Manjunathan S, Kumar A, Tandon M, Yadav T, Saini L. Knobloch Syndrome - Triad of Occipital Encephalocele, Retino-Choroidal Detachment and Epilepsy. *Indian J Pediatr*. 2024 Mar;91(3):306. doi: 10.1007/s12098-023-04861-w. Epub 2023 Sep 20. PMID: 37726637.
5. Suman S, Kumar A, Kumar M, Saxena I. Reactive Hypoglycemia in Patients Prior to Cataract Surgery: A Case Series. *Cureus*. 2024 Feb 28;16(2):e55126. doi: 10.7759/cureus.55126. PMID: 38420291; PMCID: PMC10900283 [PubMed].
6. Meena S, Bhatnagar K, Jaisingh K, et al. Insights Into Ocular Resilience: Unraveling the Epidemiology, Prognostic Factors, and Visual Triumphs of Open Globe Injuries in the COVID-19 Era at a Leading Tertiary Care Centre of Western Rajasthan, India. *Cureus* 16(1): e53198. January 29, 2024.
7. Acharyya M, Moharana B, Jain S, Tandon M. A double-blinded study for quantifiable assessment of the diagnostic accuracy of AI tool "ADVEN-i" in identifying diseased fundus images including diabetic retinopathy on a retrospective data. *Indian J Ophthalmol*. 2024 Jan 1;72(Suppl 1):S46-S52. doi: 10.4103/IJO.IJO\_3342\_22. Epub 2023 Dec 22. PMID: 38131542; PMCID: PMC10833153.
8. Meena S, Bhatnagar KR, Parveen S, Singh P, Shiromani S. Response to comment on: "Ganglion cell complex and retinal nerve fiber layer thickness in gestational diabetes mellitus". *Taiwan J Ophthalmol*. 2023 Nov 28;13(4):562-563.
9. Shakrawal J, Bhatnagar KR, Agarwal N. Axenfeld-Rieger anomaly with slit pupils. *J Fr Ophtalmol*. 2023 Sep;46(7):829-830.
10. Tandon M, Sheemar A, Bhatnagar K, Meena S, Shakrawal J. Response: Comment on "Central Retinal Artery Occlusion in Rhino-Orbital-Cerebral Mucormycosis-An Inflammatory-Prothrombotic State". *Asia Pac J Ophthalmol (Phila)*. 2023 Aug 4.
11. Shakrawal J, Sharma V, Goyal A, Kumar D, Meena S, Tiwari S, Jain V, Elhence P, Soni K, Choudhury B, Bhatnagar K, Garg MK, Misra S. Outcomes of transcutaneous retrobulbar

- Amphotericin B (TRAMB) as an adjuvant therapy for rhino-orbital-cerebral mucormycosis (ROCM) following COVID-19. *Int Ophthalmol.* 2023 Jun;43(6):1919-1926
12. Bhatnagar KR, Shakrawal J. Management of glaucoma patients at a tertiary care hospital during the COVID-19 pandemic in Western India. *Indian J Ophthalmol.* 2023 May;71(5):2306-2307.
  13. Vegda M, Panda S, Bhatnagar KR. Utility of optical coherence tomography in patients of central immune mediated demyelinating diseases - A prospective study. *eNeurologicalSci.* 2023 Apr 15;31:100464.
  14. Asodariya, Ronak; Bhatnagar, Kavita R; Tandon, Manjari; Jaisingh, Kirti; Shakrawal, Jyoti; Meena, Seema; Pandey, Latika. A compressive assessment of patient satisfaction with ophthalmology with ophthalmology clinic services: A study at a tertiary care academic institution amidst and after the COVID-19 pandemic. *Indian Journal of Ophthalmology*, May 20, 2024. | DOI: 10.4103/IJO.IJO\_2428\_23
  15. Jinna S, Bhatnagar KR, Jaisingh K, Shakrawal J, Meena S, Agarwal N. Assessment of glaucoma severity and deterioration by using Spaeth/Richman contrast sensitivity (SPARCS) and its correlation with retinal nerve fiber layer thickness and perimetry. *Indian J Ophthalmol.* 2024 May 20. doi: 10.4103/IJO.IJO\_2289\_23. Epub ahead of print. PMID: 38767552.
  16. Shakrawal J, Angmo D, Bari A, Dada T, (2023) Oral doxycycline for early bleb leak after trabeculectomy: A case report and review of literature. *Oman J Ophthalmol.* 18;16(3):545-547

#### Non-Pubmed Indexed:

1. Agrawal N, Jinna, Shihail; Singh KJ; Shakrawal J; Paharia N; Tandon M; Bhatnagar K; Meena S. Bee sting injury masquerading as scleritis in a patient of mycosis fungoides. *Indian Journal of Ophthalmology - Case Reports.* 4(1):7-8 2024 mar
2. Tandon M. The Eye and Kidney Connect: Tubulointerstitial Nephritis and Uveitis Syndrome. *International Journal of Advanced Multidisciplinary Research and Studies.* Volume 4, Issue 1, 2024.
3. Suman, S., Kumar, A., Rathod, H. U., & Pal, V. K. (2024). Isolated unilateral temporal coloboma of the lens. *Ophthalmology Research: An International Journal*, 19(1), 1-6. [https://DOI: 10.9734/OR/2024/v19i1408](https://DOI:10.9734/OR/2024/v19i1408).
4. Singh KJ, Agrawal N, Srivastava, Krati, Didel S, Bhatnagar K, Tandon M, Meena S, Paharia N. Cytarabine and the eye: Exploring the benign yet debilitating corneal epithelial toxicity. *Indian Journal of Ophthalmology - Case Reports.* 3(4):981-982, 2023 Oct-Dec.
5. Meena S, Agrawal N, Sheeemar, Abhishek; Bhatnagar K; Singh K J. Isolated optic disc coloboma: A rare presentation *Indian Journal of Ophthalmology - Case Reports.* 3(2):563, Apr-Jun 2023.
6. Shakrawal J, Bhatnagar KR, Agrawal N, Roy F. Keratomalacia in a young diabetic: A tracer for hidden systemic condition. *Indian Journal of Ophthalmology case reports.* 2023 Apr;3(2); 302-303.
7. Agrawal N, Khera S, Rajpurohit T, Shakrawal, Jyoti; Asodariya, Ronak; Tandon, Manjari; Bhatnagar KR. A rare case of isolated congenital corneal dermoid: Literature review and histopathological correlation. *Indian Journal of Ophthalmology case reports* 2023 Aug, 3(3); 649-650.

#### Eminent Visitors:

1. Dr Rajpal Yadav, Professor, Department of Ophthalmology, AIIMS, New Delhi.
2. Dr Sandeep Saxena, Professor, Department of Ophthalmology, KGMU, Lucknow.
3. Dr Nilesh V Parekh, Professor and Head, Department of Ophthalmology, GMC, Bhavnagar.
4. Dr Anuradha Raj, Professor and Head, Department of Ophthalmology, AIIMS, Bhatinda.
5. Dr Sucheta Parija, Professor and Head, Department of Ophthalmology, AIIMS, Bhubaneswar.
6. Dr Subhash Dadeya Professor, GNEC, MAMC, New Delhi.

**Name of Faculty: Dr Kavita R Bhatnagar**

**Designation: Professor & Head**

**Papers Presented:**

**Presenting Author**

1. Bhatnagar K R, "Effect of anti-glaucoma medications on ocular surface" Oral presentation at ASCRS-2023 (American Society of Cataract & Refractive Surgery) conference held from 5<sup>th</sup>-8<sup>th</sup> May 2023 at Convention Centre, San Diego, California, USA.
2. Bhatnagar K R, "To assess the severity of adult glaucoma by using Spaeth/Richman contrast sensitivity (SPARCS) and its correlation with RNFL OCT and visual fields", Oral poster presentation at ASCRS-2023 (American Society of Cataract & Refractive Surgery) conference held from 5<sup>th</sup>-8<sup>th</sup> May 2023 at Convention Centre, San Diego, California, USA.
3. Free paper "To compare Obstructive Sleep Apnea among patients with and without Diabetic Retinopathy" at AIOC 2024, 14th-17th March 2024, Kolkata.
4. E-poster "A study of patient outcome with tele/physical consultation during and after the COVID-19 pandemic" at AIOC 2024, 14th-17th March 2024, Kolkata.
5. Physical poster ""Effect of trabeculectomy on structural and functional parameters in glaucoma patients. " at AIOC 2024, 14th-17th March 2024, Kolkata.

**Co-Author**

1. Challenging case "Demystify the Dilemma... To treat or wait!! Time to complete vascularization in ROP eyes" at Delhi Retina Forum, 26th-27th August, new Delhi.
2. The Thin Line Between Treatment and Harm: Navigating Fortified Antibiotics in Patient Care. OSKON, 18- 25<sup>th</sup> August 2023, Shankara Netralaya Chennai
3. Deciphering the Diagnostic Dilemma: A Case of Descemet Membrane Tear Post-Eye Rubbing in a 10-Year-Old Patient with Vernal Kerato-conjunctivitis"
4. When Mycosis Fungoides Meets Bee Sting: A Case of Misdiagnosed Scleritis. OSKON, 18- 25<sup>th</sup> August 2023, Shankara Netralaya Chennai

**Invited Lectures**

1. Invited as a faculty for a symposium on 'The Best Evidence in Medical Education- A 5-Year Review' to talk on 'The Utility of Mini-Clinical Evaluation Exercise in Medical Education' of the symposium, at 39<sup>th</sup> APAO-2024 Congress (Asia Pacific Academy of Ophthalmology) held at Bali, Indonesia, from 22<sup>nd</sup> -25<sup>th</sup> February 2024.
2. Received invitation for Commorative Oration on "Avenues for Indo-Nepal Friendship for Community Eye Care Services" during Indo-Nepal Friendship CME 2024 for Community Ophthalmology, held in Kathmandu, Nepal.
3. Role of Medical Humanities in teaching Professionalism to Ophthalmology Residents, Rajasthan Ophthalmological Society conference, Jodhpur, October 2023.

**Symposium Speaker**

1. Invited as a faculty for a symposium on 'The Best Evidence in Medical Education- A 5-Year Review' to talk on 'The Utility of Mini-Clinical Evaluation Exercise in Medical Education' of the symposium, at 39<sup>th</sup> APAO-2024 Congress (Asia Pacific Academy of Ophthalmology) held at Bali, Indonesia, from 22<sup>nd</sup> -25<sup>th</sup> February 2024.
2. Volunteer Eye Surgeons, Symposium at ASCRS-2023 (American Society of Cataract & Refractive Surgery) conference held from 5<sup>th</sup>-8<sup>th</sup> May 2023 at Convention Centre, San Diego, California, USA.

#### **Resource Faculty:**

1. Invited as a panelist/resource faculty for symposium on "IJO Live-wire" and as Expert for PG modules on Glaucoma and Ocular malignancy at AIOC-2024 (All India Ophthalmology Society) annual conference was held at Biswa Bangala Convention Centre, Kolkata, India.
2. Invited as faculty for PG modules in Ocular Oncology at AIOC-2024 (All India Ophthalmology Society) annual conference was held at Biswa Bangala Convention Centre, Kolkata, India.
3. Member, Board of Studies, AIIMS, Bhatinda.
4. Invited as External Subject expert in the panel of Standing Selection Committee for Faculty recruitment at AIIMS Rajkot, and SGPGI Lucknow.
5. Invited as External Subject expert in the panel of Standing Selection Committee for Faculty recruitment at SGPGI Lucknow.
6. National Myopia Consensus Meeting at RP Centre, AIIMS, New Delhi held on 6<sup>th</sup> January 2024 in coordination with NPCB&VI, MoHFW, Ministry of Education & Niti Ayog to discuss and formulate guidelines for the effective management of myopia.

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

2. Project ROSHINI: Pan India Initiative for Inclusive Comprehensive Eye Care Services - A Multi Centric Approach. (Extra Mural)
3. Effect of trabeculectomy on structural and functional parameters in glaucoma patients.
4. Association between Obstructive sleep apnea and Diabetic Retinopathy in Type II Diabetes mellitus patients.
5. Burden and Depression in caregivers of patients with Visual Impairment.
6. To assess the benefits of YOGA in Glaucoma patients.
7. Surgical outcomes of pediatric cataract at a tertiary care teaching institute.
8. Assessment of ocular surface in adult primary open angle glaucoma patients.
9. Evaluation of depression and Generalized Anxiety symptoms in cataract patients.

##### **As Co-Investigator**

1. Qualitative and quantitative evaluation of corneal endothelium in patients of primary glaucoma.
2. Profile and visual outcomes of pediatric cataract in a Tertiary care center of Western India.
3. Evaluation of RNFL, GCL and total macular thickness among children with type 1 diabetes mellitus.
4. Epidemiological and clinical profile of a patients with Herpes Zoster Ophthalmicus.
5. Clinico-demographic Profile and Treatment outcomes of Uveitis in Western India.
6. Our experience with Razumab: A single tertiary care centre retrospective study.

##### **Completed:**

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**As Principal Investigator**

1. Digital eye strain among medical students associated with shifting to e-learning during COVID-19 pandemic: An online survey.
2. Effect of topical anti-glaucoma medications on ocular surface in glaucoma. A prospective cohort study.
3. A study of prevalence and risk factors of amblyopia in school going children belonging to 3-12 years age group.
4. Assessment of glaucoma severity and deterioration by using Spaeth/Richman Contrast Sensitivity (SPARCS) and its correlation with OCT and Visual field.
5. Comparative study of patient outcome and satisfaction with Telemedicine versus Physical Consultation in Ophthalmology.
6. Management of glaucoma patients at a tertiary care hospital during the COVID-19 pandemic in Western India.

**As Co-Investigator**

1. A Comparative, Double-Blind, Randomized, Multicenter, Phase III study to compare the safety & efficacy of ENZ105 of Enzene Biosciences Ltd. with Innovator Ranibizumab in subjects with Neovascular (Wet) Age related Macular Degeneration (AMD). Funding Agency: Enzene Biosciences Ltd. / Alkem Laboratories Ltd.
2. Utility of optical coherence tomography in patients of central immune mediated demyelinating diseases - A prospective study.
3. Open Globe Injuries in the COVID-19 Era at a Leading Tertiary Care Centre of Western Rajasthan.

**Scientific Awards/Patents**

1. Received Sushrut Samman, for excellence in Ophthalmology teaching, Sixth Annual Conference of Forum of Ophthal Teachers of India (FOTI), 5<sup>th</sup>-6<sup>th</sup> January 2023, at R P Center, AIIMS New Delhi.
2. Nominated for the award "Prof R P Pokhrel (Father of Vision of Nepal) ACOIN-NOS-NNJS Indo-Nepal Friendship Gold Medal 2024" in recognition of the outstanding, dedicated & sincere commitment towards the implementation of Indo Nepal Friendship in the community eye health care service Beyond the Border. (Awarded in April 2024)
3. Agrawal N; Meena S; Bhatnagar K; Singh KJ; Tandon M. Dislocated trans scleral-fixated intraocular lens: Hanging man sign! Indian Journal of Ophthalmology -Case Reports. 2(4):1004, Oct-Dec 2022. is awarded as one of the best publications in Indian Journal of Ophthalmology during the year 2022 on May 2023, Kochi.

**Examinership**

1. External Examiner, MD, Ophthalmology, 15<sup>th</sup>-18<sup>th</sup> May 2023, at R P Center, AIIMS, New Delhi.
2. Internal Examiner, MD Exam, AIIMS Jodhpur, June 2023.
3. External Examiner, MD Exam, Thesis Evaluation, Era's University, Feb 2024.
4. External Examiner, MD Exam, Thesis Evaluation, Delhi University, Jan 2024.
5. External Examiner, MD Exam, Thesis Evaluation, AIIMS, New Delhi, Nov 2023.
6. External Examiner, MD Exam, Thesis Evaluation, AIIMS, Raipur, Oct 2023.
7. External Examiner, MD Exam, Thesis Evaluation, AIIMS, Rishikesh, Oct 2023.
8. External Examiner, MD Exam, Thesis Evaluation, KGMU University, Feb 2024.

**Membership/Post in Journal or Society or Association**

6. Editor of International Council of Ophthalmology, Center for Ophthalmic Educators.
7. Rajasthan State Counselor of Association of Community Ophthalmologists of India (ACOIN).
8. President of Rajasthan State Chapter, Association of Community Ophthalmologists of India (ACOIN).
9. Executive member of "The International Society of Manual Small Incision Cataract Surgeons" (ISMSICS).
10. Member of the Editorial Board of Indian Journal of Community Ophthalmology.

**National/ International Conferences attended:**

4. ASCRS-2023 (American Society of Cataract & Refractive Surgery) conference held from 5<sup>th</sup>-8<sup>th</sup> May 2023 at Convention Centre, San Diego, California, USA.
5. 82nd Annual Conference of the All India Ophthalmological Society, 14<sup>th</sup> – 17<sup>th</sup> March 2024.
6. 39<sup>th</sup> Asia-Pacific Academy of Ophthalmology Congress, 22<sup>nd</sup> – 25<sup>th</sup> February, 2024.

**Name of Faculty: Dr. Seema Meena**

**Designation: Associate Professor**

**Papers Presented:**

**Presenting Author**

Open globe injury in children's during covid era. AIOC Conference 2023, KOCHI

**Co-Author**

Prevalence and risk factors of amblyopia in 3-12 years of age group in AIOC Conference 2023, KOCHI

Patient's satisfaction with telemedicine and physical consultation in AIOC Conference 2023, KOCHI

To estimate level of Burden and Depression in caregivers of patients with visual Impairment at ROS midterm conference Feb 2024

Qualitative and Quantitative Evaluation of Corneal Endothelium in Patients of Primary Glaucoma at ROS mid term conference Feb 2024

Post-traumatic perineural optic nerve cyst: An incidental rare finding on radiological imaging presented in ACOIN Bilaspur 2023

**Research Project:**

**Ongoing:**

**As Principal Investigator**

Qualitative and Quantitative Evaluation of Corneal Endothelium in Patients of Primary Glaucoma  
Evaluation of RNFL, GCL and Total thickness among Children with Type 1 DM

**As Co-Investigator**

To compare Obstructive Sleep Apnea among patients with and without Diabetic Retinopathy.

Effect of trabeculectomy on structural and functional parameters in glaucoma patients.

To estimate level of Burden and Depression in caregivers of patients with Visual Impairment.

Surgical Outcomes of Pediatric Cataract at a Tertiary Care Teaching Institute

Profile and visual outcomes of paediatric cataract in tertiary care centre of western India.



Epidemiological and clinical profile of a patients with Herpes Zoster Ophtalmicus  
Clinco-Demographic Profile and Treatment Outcomes of Uveitis in Western India  
Our experience with Razumzb: A Single tertiary care centre retrospective study

**Completed:**

**As Co-Investigator**

Comparative Study of Patient Outcome with Telemedicine versus Physical Consultation in Ophthalmology.

Assessment of severity of adult glaucoma by using SPARCS and in Correlation with RNFL OCT and Visual field.

Serum Sialic acid levels as a biological marker of diabetic nephropathy in type 2 Diabetes mellitus.

**Scientific Awards/Patents**

Agrawal N; Meena S; Bhatnagar K; Singh KJ; Tandon M. Dislocated trans scleral- fixated intraocular lens: Hanging man sign! Indian Journal of Ophthalmology - Case Reports. 2(4):1004, Oct-Dec 2022. is awarded as one of the best publications in Indian Journal of Ophthalmology during the year 2022 on May 2023, Kochi.

**Examinership**

Appointed as Examiner in Board of examiners for the 3 rd professional MBBS

Examination in the subject of General Surgery held in December 2023 at AIIMS, Jodhpur.

Appointed as Examiner in Board of examiners for the 3 rd professional MBBS supplementary Examination in the subject of General Surgery held in February 2024 at AIIMS, Jodhpur.

Appointed as an examiner by Rajasthan University of Health Sciences, Jaipur to conduct THIRD PROF. M.B.B.S. PART-I (New Scheme) (MAIN) EXAM. DEC.-2023 in the subject Ophtalmology at Govt. Medical College, NH 62, Sumerpur Road, Village Ramsaiya, Pali, Pali, Rajasthan.

**National/ International Conferences attended:**

All India Ophthalmic Conference (AIOC) 2023, Lulu Bolgatty International Convention Centre, Kochi, Kerala. 11-13 May

**Name of Faculty: Dr. Suwarna Suman**

**Designation: Assistant Professor**

**Books/Chapters**

1. Suman S, Rathod HU, Kumar A, Pal VK. Internal angular dermoid indenting on the globe: Considerations to achieve an optimum outcome. New Visions in Medicine and Medical Science; B P International (UK).

**Papers Presented:**

1. Poster: Posterior scleritis due to hepatitis B infection. Ovarian Syndrome-2nd Annual Conference of ACOIN (22nd -24th Sep 2023).
2. Poster: Post-traumatic perineural optic nerve cyst: An incidental rare finding on radiological imaging.

**Research Project:**

**Ongoing:**

**As Co-Investigator**

1. Clinic-demographic Profile and Treatment Outcomes of Uveitis in Western India.

**Examinership**

1. External Examiner (RUHS)- Practical Examination of Third Professional MBBS (Ophthalmology); 07 Oct 2023 at S N Medical College & associated group of Hospitals, Jodhpur, Rajasthan.
2. External examiner by RUHS, Jaipur - Practical Examination of Third Professional MBBS (Ophthalmology); 19- 22 Jan 2024 at S N Medical College & associated group of Hospitals, Jodhpur, Rajasthan.
3. External examiner by RUHS, Jaipur; B.Sc (HONS.) OPHTHALMIC TECHNIQUES; May 2023 at DR. S.N. Medical College (PARAMEDICAL), Jodhpur Rajasthan.

**National/ International Conferences attended:**

1. Research training: Cochrane systematic reviews (Wiley), Feb 15,2024
2. International Masterclass (AIOS): Thyroid Eye Disease-Approach to Surgery-Dr Robert Goldberg & Dr Daniel Rootman; Dec 22; 2023

**Name of Faculty: Dr. Jyoti Shakrawal**

**Designation: Assistant Professor**

**Papers Presented:**

**Presenting Author**

Oral paper presentation titled "Profile and Surgical outcomes of Pediatric cataract at a Tertiary care Teaching Institute" at 45th Annual conference of Rajasthan Ophthalmological Society (ROSCON), 27th to 29th October 2023.

**Co-author**

"Pediatric cataract- interventions and outcomes" on the occasion of 13th Annual conference of Association of Community Ophthalmologists of India, at Bilaspur, Chhattisgarh, 22nd to 24th September, 2023.

Free paper "To compare Obstructive Sleep Apnea among patients with and without Diabetic Retinopathy" at AIOC 2024, 14th-17th March 2024, Kolkata.

E-poster "A study of patient outcome with tele/physical consultation during and after the COVID-19 pandemic" at AIOC 2024, 14th-17th March 2024, Kolkata.

Physical poster ""Effect of trabeculectomy on structural and functional parameters in glaucoma patients. " at AIOC 2024, 14th-17th March 2024, Kolkata.

**Invited Lectures**

Faculty lecture on "Gonioscopy- Tips and Tricks" at 45th Annual conference of Rajasthan Ophthalmological Society (ROSCON), 27th to 29th October 2023.

Faculty lecture on “Surgical management of third nerve palsy” in a Virtual session of ‘Pediatric Ophthalmology and strabismus’ on 57th Annual Foundation Day, 2nd February 2024.

### **Symposium Speaker**

Speaker in a Instruction course titled “Lasers in glaucoma- video assisted” at 81th Annual conference of All India Ophthalmological Society, 11nd to 14th May 2023.

### **Research Project:**

#### **Ongoing:**

##### **As Principal Investigator**

Profile and management outcomes of strabismus at a tertiary care teaching hospital.

Profile and visual outcomes of pediatric cataract in a Tertiary care center of Western India.

##### **As Co-Investigator**

Project ROSHINI: Pan India Initiative for inclusive comprehensive eye care services - A Multi centric approach.

Surgical outcomes of pediatric cataract at a tertiary care teaching institute.

Assessment of ocular surface in adult primary open angle glaucoma patients.

Epidemiological and clinical profile of a patients with Herpes Zoster Ophthalmicus.

To assess the benefits of Yoga in glaucoma.

#### **Completed:**

##### **As Co-Investigator**

Effect of topical anti-glaucoma medications on ocular surface in glaucoma. A prospective cohort study.

Clinical profile and investigational characteristics of Glaucoma patients- A Retrospective analysis.

Study of the changing trends in the risk factors and type of Dry Eye Disease during COVID-19 pandemic.

Assessment of glaucoma severity and deterioration by using Spaeth/Richman Contrast Sensitivity (SPARCS) and its correlation with OCT and Visual field.

Comparative study of patient outcome and satisfaction with Telemedicine versus Physical Consultation in Ophthalmology.

Evaluation of risk factors, management and outcomes of orbital involvement in COVID-19 associated ROCM.

Effect of trabeculectomy on structural and functional parameters in glaucoma patients.

### **Scientific Awards/Patents**

“Young Ophthalmic Teachers of India” award in the seventh National Assembly of Ophthalmology Teachers of India (FOTI) 2024, at AIIMS New Delhi on 6th-7th January 2024.

### **Membership/Post in Journal or Society or Association**

Life Membership of “Association of Community Ophthalmologists of India (ACOIN)”

### **National/ International Conferences attended:**

81th Annual conference of All India Ophthalmological Society, 11nd to 14th May 2023.

45th Annual conference of Rajasthan Ophthalmological Society (ROSCON), 27th to 29th October 2023.

**Name of Faculty: Manjari Tandon**

**Designation: Assistant Professor**

**Papers Presented:**

**Presenting author**

Challenging case "Diagnostic Dilemma- Natural course or progression of ROP" at Delhi Retina Forum, 26th-27th August, new Delhi.

E- Poster "To assess the glaucoma severity and progression using Spaeth/Richman Contrast Sensitivity (SPARCS)" at AIOC 2024, 14th-17th March 2024, Kolkata.

E- Poster "Unravelling the spectrum of Uveitis: Insights from Western India" at AIOC 2024, 14th-17th March 2024, Kolkata.

**Co-Author**

Challenging case "Demystify the Dilemma... To treat or wait!! Time to complete vascularization in ROP eyes" at Delhi Retina Forum, 26th-27th August, new Delhi.

Free paper "To compare Obstructive Sleep Apnea among patients with and without Diabetic Retinopathy" at AIOC 2024, 14th-17th March 2024, Kolkata.

E-poster "A study of patient outcome with tele/physical consultation during and after the COVID-19 pandemic" at AIOC 2024, 14th-17th March 2024, Kolkata.

Physical poster "Effect of trabeculectomy on structural and functional parameters in glaucoma patients." at AIOC 2024, 14th-17th March 2024, Kolkata.

The Thin Line Between Treatment and Harm: Navigating Fortified Antibiotics in Patient Care. OSCON, 18- 25<sup>th</sup> August 2023, Shankara Netralaya Chennai

Deciphering the Diagnostic Dilemma: A Case of Descemet Membrane Tear Post-Eye Rubbing in a 10-Year-Old Patient with Vernal Kerato-conjunctivitis"

**Invited Lectures**

Speaker of webinar on "Common Health Concerns after 50: Eye problems for JICA Alumini Association of India, 26th November 2023.

**Resource Faculty:**

Training medical officers in Comprehensive Geriatric Care (National Programme for Health Care of Elderly) on 12th -14th July 2023, AIIMS, Jodhpur

Awareness on Eye Flu dos and don'ts on AIIMS Jodhpur YouTube channel.

AIR talk on "Effect of diabetes on eyes"

**Research Project:**

**Ongoing:**

**As Principal Investigator**

Our experience with Razumab: A single tertiary care centre retrospective study

**As Co-Investigator**

Clinico-demographic Profile and Treatment outcomes of Uveitis in Western India  
 Epidemiological and clinical profile of a patients with Herpes Zoster Ophthalmicus  
 Profile and visual outcome of Paediatric Cataract in a Tertiary care centre of Western India.  
 Evaluation of RNFL, GCL and total macular thickness among children with type 1 diabetes mellitus  
 Evaluation of depression and Generalized Anxiety symptoms in cataract patients.

**Completed:****As Principal Investigator**

A Comparative, double-blinded, randomized, multicenter, phase III study to compare safety and efficacy of ENZ105 of Enzene Biosciences Ltd. with Innovator Ranibizumab in subjects with Neovascular (WET) AMD

**As Co-Investigator**

Comparative study of patient outcome with telemedicine versus physical consultation in ophthalmology  
 Assessment of glaucoma severity and deterioration by using Spaeth/ Richman contrast sensitivity (SPARCS) and its correlation with RNFL Optical coherence tomography (OCT) and visual field.  
 Assessment of ocular surface in adult primary open angle glaucoma patients  
 Qualitative and quantitative evaluation of corneal endothelium in patients of primary glaucoma

**Scientific Awards/Patents**

Awarded “Young Ophthalmic Teachers of India” at Forum of Ophthalmic Teachers of India (FOTI) January 2024.  
 Agrawal N; Meena S; Bhatnagar K; Singh KJ; Tandon M. Dislocated trans scleral-fixated intraocular lens: Hanging man sign! Indian Journal of Ophthalmology -Case Reports. 2(4):1004, Oct-Dec 2022. is awarded as one of the best publications in Indian Journal of Ophthalmology during the year 2022 on May 2023, Kochi.

**Examinership**

THIRD PROF. M.B.B.S. PART-I (New Scheme) (MAIN) EXAM. J.L.N. Medical College & Hospital, AJMER. 11th – 14th January 2024.  
 THIRD PROF. M.B.B.S. PART-I (New Scheme) (MAIN) EXAM. Rajmata Vijaya Raje Scindia Medical College, Bhilwara. 17th – 21st January 2024.

**Membership/Post in Journal or Society or Association**

Life Membership of “Vitreous Retina Society of India (VRSI)”  
 Life Membership of “Association of Community Ophthalmologists of India (ACOIN)”

**National/ International Conferences attended:**

Delhi Retina Meet 26-27th August 2023  
 82nd Annual Conference of the All-India Ophthalmological Society, 14th – 17th March 2024.  
 Medical Photography Workshop, 19th August 2023, AiiMS Jodhpur  
 Introduction to Inherited Retinal Disease” LVPEI webinar 10th September 2023

**Name of Faculty: Nikhil Agrawal**

**Designation: Assistant Professor**

**Papers Presented:**

**Presenting Author**

Nikhil Agrawal, Kavita Bhatnagar, Kirti Jai Singh. When Mycosis Fungoides Meets Bee Sting: A Case of Misdiagnosed Scleritis. OSKON, 18- 25<sup>th</sup> August 2023, Shankara Netralaya Chennai

Nikhil Agrawal, Kavita Bhatnagar, Kirti Jai Singh, Manjari Tandon. The Thin Line Between Treatment and Harm: Navigating Fortified Antibiotics in Patient Care.OSKON, 18- 25<sup>th</sup> August 2023, Shankara Netralaya Chennai

Nikhil Agrawal, Kavita Bhatnagar, Kirti Jai Singh, Manjari Tandon. Deciphering the Diagnostic Dilemma: A Case of Descemet Membrane Tear Post-Eye Rubbing in a 10-Year-Old Patient with Vernal Kerato-conjunctivitis”

**Invited Lectures**

1. Management of Acute and chronic Chemical Injury: A case-based approach Rajasthan Ophthalmic Society, [27-29 October 2023, Indiana Palace, Jodhpur
2. SLET for the management of complex Cases. Rajasthan Ophthalmic Society, 27-29 October 2023, Indiana Palace, Jodhpur
3. Faculty Talk on Decoding Corneal Topography: A case-based approach. Mid Term Rajasthan Ophthalmic Society, 16 February 2024, Khimsar, Rajasthan
4. Demystify Corneal Infections. Jodhpur Ophthalmic Society 23 February 2024 Novotel, Jodhpur

**Research Project:**

**Ongoing:**

**As Principal Investigator**

Epidemiological and clinical profile of a patients with Herpes Zoster Ophtalmicus.

**As Co- Investigator**

Outcomes of pediatric cataract in a tertiary care center of western India.

Our experience with Razumab: A single tertiary care center retrospective study.

**Completed:**

To estimate the level of Burden and Depression in caregivers of patient with vital impairment.

Evaluation of Corneal Endothelium in patients of Primary Glaucoma.

**Scientific Awards/Patents**

Best Video Presentation. ROSCON 2023, ROS, Indiana Palace, Jodhpur.

Agrawal N; Meena S; Bhatnagar K; Singh KJ; Tandon M. Dislocated trans scleral fixated intraocular lens: Hanging man sign! Indian Journal of Ophthalmology -Case Reports. 2(4):1004, Oct-Dec 2022. is awarded as one of the best publications in Indian Journal of Ophthalmology during the year 2022 on May 2023, Kochi.

**Membership/Post in Journal or Society or Association**

Executive Member of JOS (Jodhpur Ophthalmic Society) form 2024-2025

YOSI life time membership

Cornea Society of India Membership

**National/ International Conferences attended:**

OSKON, Shankara Neutraaya, SN Chennai 18- 25<sup>th</sup> August 2023

Bug Buster, Lvpei Hyderabad, Radison Hyderabad ,22-25 October 2023

PEDCOR 3: Lvpei Hyderabad, LVP Hyderabad, 22-25 November 2023

ROSCON 2023, ROS, Indiana Palace, Jodhpur 27 to 29 October 2023

**Name of Faculty: Dr. Kirti Jaisingh**

**Designation: Assistant Professor**

**Papers Presented**

**Presenting Author**

Delhi Retina Meet 26-27<sup>th</sup> August 2023

Demystify the Dilemma... To treat or wait!! Time to complete vascularization (ROP workshop)

BEST as CSR

Rajasthan Ophthalmological Society Annual Conference (ROSCON) 27<sup>th</sup>-29<sup>th</sup> October 2023

Retinopathy of Prematurity: Small eyes Big challenges (Retina Rooster)

Sutureless to Sutured: Refixation of CM T Flex IOL

Delhi Ophthalmological Society Annual Conference 29<sup>th</sup> - 31<sup>st</sup> March 2024

Unravelling the spectrum of Uveitis: Insights from Western India

**Co-Author**

Delhi Retina Meet 26-27<sup>th</sup> August 2023

Diagnostic Dilemma: Natural Course or Progression of ROP (ROP workshop)

All India Ophthalmological Society Annual Conference 14<sup>th</sup>-17<sup>th</sup> March 2024

Unravelling the Spectrum of Uveitis: Insights from Western India

**Invited Lectures**

Topic- Establishing ophthalmology department de novo in the academic session "What after Post-Graduation" on the occasion of Foundation Day at Guru Nanak Eye Centre on 3<sup>rd</sup> March 2024

**Resource Faculty:**

National Myopia Consensus Meeting at RP Centre, AIIMS, New Delhi held on 6<sup>th</sup> January 2024 in coordination with NPCB&VI, MoHFW, Ministry of Education & Niti Ayog to discuss and formulate guidelines for the effective management of myopia.

**Research Project:**

**Ongoing:**

**As Principal Investigator**

Clinico-demographic profile and treatment outcomes of Uveitis in Western India

**As Co-Investigator**

Surgical outcomes of Pediatric cataract at a tertiary care teaching institute

Evaluation of RNFL, GCL and total macular thickness among children with type 1 diabetes mellitus

Assessment of ocular surface in adult primary open angle glaucoma patients

Epidemiological and clinical profile of patients with Herpes Zoster Ophthalmicus

Our experience with Razumab: A single tertiary care center retrospective study

Profile and visual outcomes of pediatric cataract in a tertiary care centre of western India

Depression and generalized anxiety symptoms in cataract patients

**Completed:**

**As Co-Investigator**

To compare obstructive sleep apnea among patients with and without diabetic retinopathy

Effects of trabeculectomy on structural and functional parameters in glaucoma patients

Open globe injuries in Western Rajasthan: a retrospective study (OGI)

**Scientific Awards/Patents**

Awarded "Young Ophthalmic Teachers of India" at Forum of Ophthalmic Teachers of India (FOTI) January 2024 at RP Centre, Delhi

Agrawal N; Meena S; Bhatnagar K; Singh KJ; Tandon M. Dislocated trans scleral fixated intraocular lens: Hanging man sign! Indian Journal of Ophthalmology -Case Reports. 2(4):1004, Oct-Dec 2022. is awarded as one of the best publications in Indian Journal of Ophthalmology during the year 2022 on May 2023, Kochi.

**Membership/Post in Journal or Society or Association**

Became member of Vitreo-retinal Society of India (VRSI)

Became member of Uveitis Society of India (USI)

Became member of Rajasthan Ophthalmological Society (ROS)

**National/ International Conferences attended:**

Delhi Retina Meet 26-27<sup>th</sup> August 2023

Rajasthan Ophthalmological Society Annual Conference (ROSCON) 27<sup>th</sup>-29<sup>th</sup> October 2023

National Myopia Consensus Meeting at RP Centre, AIIMS, New Delhi held on 6<sup>th</sup> January 2024 in coordination with NPCB&VI, MoHFW, Ministry of Education & Niti Ayog to discuss and formulate guidelines for the effective management of myopia.

Delhi Ophthalmological Society Annual Conference 29<sup>th</sup> - 31<sup>st</sup> March 2024

World Diabetes Month was celebrated in November 2024 at AIIMS, Jodhpur. A Diabetic Retinopathy Awareness Campaign was organized which started off with a Skit organized by our residents highlighting the importance of fundus examination and blood sugar control in diabetic patients. It was performed in the main OPD foyer and in the department OPD. A screening for diabetic retinopathy was done in our



OPD and PHC, Pratap Nagar. A live AIR talk was delivered on 24<sup>th</sup> November 2024 emphasizing about the effects of diabetes on eyes. A walkathon was organized on the 26<sup>th</sup> November 2024 in AIIMS campus spreading awareness about the vision threatening disease.



Diabetic Retinopathy awareness campaign

World Glaucoma Week was celebrated from 10<sup>th</sup>-16<sup>th</sup> March 2024 at AIIMS, Jodhpur with the theme of "Uniting for a Glaucoma free world". The aim was spreading awareness about the importance of early detection and management of glaucoma, to prevent irreversible blindness. Video display about the need for early detection and treatment was done in our OPD. Glaucoma screening for faculty and staff of AIIMS Jodhpur was done every day in the OPD with free distribution of antiglaucoma medications. A Glaucoma Awareness Programme, lectures and Screening Camp, was organized at Primary health centre (PHC), Pratap Nagar and Dhundhara, Jodhpur on 13<sup>th</sup> & 14<sup>th</sup> March 2024. An AIR talk about the silent thief was delivered on 13<sup>th</sup> March 2024.

Glaucoma Week 10<sup>th</sup> -16<sup>th</sup> March

**“Project ROSHINI: Pan India Initiative for Inclusive Comprehensive Eye Care Services - A Multi Centric Approach”** was started under the mentorship of Dr. RP Centre AIIMS New- Delhi as the nodal centre on 1<sup>st</sup> November 2023. The aim of the project was to improve access of inclusive eye care services and to establish community based Primary eye care services in form of Vision Centres of AIIMS Jodhpur. Low Vision and Rehabilitation Clinic was also started under this project for the low vision patients at AIIMS Jodhpur on 29<sup>th</sup> November 2023.





Inauguration of "Project Roshani"



Community Outreach Services

## Department of Orthopaedics

S.No.	Name	Designation
1	Dr. Abhay Elhence	Professor
2	Dr. Sumit Banerjee	Professor
3	Dr. Nitesh Gahlot	Additional Professor
4	Dr. Sandeep Kumar	Assistant Professor
5	Dr. Saurabh Gupta	Assistant Professor
6	Dr. Prabodh Kantiwal	Assistant Professor
7	Dr. Rajesh Kumar Rajnish	Assistant Professor

### About the Department

The Department of Orthopaedics is a distinguished musculoskeletal health leader known for its extensive clinical services, academic rigor, and pioneering research. The department provides specialized care across key areas, including trauma, arthroplasty, spine care, arthroscopy, tumor management, musculoskeletal infections, and foot and ankle surgery. In trauma care, the department excels in treating complex fractures, pelvis-acetabulum, and polytrauma through advanced surgical techniques and a multidisciplinary approach. Arthroplasty, focusing on hip, knee and shoulder joint replacements, is another major area of expertise. The department performs numerous primary and revision surgeries, utilizing the latest prosthetics to restore function and enhance the quality of life for patients with degenerative joint diseases. The spine surgery unit addresses a wide range of spinal disorders, employing intricate procedures like spinal fusions and corrective osteotomies, often using minimally invasive techniques to improve recovery. In arthroscopy, minimally invasive procedures are offered for joint issues, particularly in the knee and shoulder, facilitating quick recovery. The department also provides specialized care for athletes with sports injuries. The tumor unit, in collaboration with other specialties, offers comprehensive care for musculoskeletal tumors, while the department also focuses on managing challenging musculoskeletal infections. Academically, the department is committed to rigorous resident training and contributes significantly to orthopedic research, with 22 publications in the past year, driving innovation in the field.

### Compiled list of Publications of the department:

#### Papers:

1. Banerjee S, Netaji J, Gupta A, Gahlot N, Barwar N, Elhence A. Perception of Telemedicine among orthopedic surgeons and patients and an analysis of the factors governing its overall efficacy: Results from the COVID-19 pandemic. *Indian J Public Health*. 2023; 67(3): 422-7.
2. Banerjee S, Gupta A, Roy S, Jain C, Elhence A. All-inside technique versus conventional full-tunnel reconstruction for Anterior cruciate ligament tears of the knee: A Systematic Review and Meta-analysis. *Journal of Arthroscopy and Joint Surgery*. (E-pub ahead of print)
3. Elhence A, Banerjee S, Gupta A (2023). Total Hip Arthroplasty for Protrusio Acetabuli: Principles of Reconstruction and Technique. In: Sharma, M. (eds) *Hip Arthroplasty*. Springer, Singapore

4. Munde K, Banerjee S, Gahlot N, Elhence A, Mandal S, Yadav T. Effect of platelet-rich plasma on healing of autologous graft after anterior cruciate ligament reconstruction: a randomized control trial. *Regen Med*. 2023 Aug;18(8):601-610
5. Elhence A, Netaji J, Yadav SK, Rajnish RK, Gupta S. Functional outcome and analysis of factors affecting health-related quality of life of surgically managed pelvic ring fractures: a cross-sectional study. *Eur J Orthop Surg Traumatol*. 2024 Mar 9. doi: 10.1007/s00590-024-03869-y.
6. Jacob AM, Yadav SK, Elhence A, Banerjee S, Gahlot N, Gupta S, Rajnish RK, Kantiwal P, Tiwari S. Evaluation of spinopelvic parameters in patients with lumbosacral transitional vertebra: a cross sectional and comparative study. *Am J Neurodegener Dis*. 2023 Aug 15;12(4):123-132.
7. Kumar D, Elhence A, Rajnish RK, Gahlot N, Yadav SK, Gupta S, Kunal K, Khara P. Mechanical thromboprophylaxis for hip fractures in elderly patients: a prospective randomized controlled study. *Am J Transl Res*. 2023 Aug 15;15(8):5284-5291.
8. Rajnish, R.K., Elhence, A., Srivastava, A. *et al*. Does the pararectus approach have better outcomes and fewer complications than the modified Stoppa approach for the fixation of acetabular fractures in adults: A systematic review and meta-analysis?. *Eur J Orthop Surg Traumatol* (2024)..
9. Rajnish, R.K., Srivastava, A., Elhence, A. *et al*. A systemic review and meta-analysis of pararectus versus ilioinguinal approach for the management of acetabular fractures. *Eur J Orthop Surg Traumatol* (2023).
10. Dhillon, M.S., Rajnish, R.K\*, Kumar, P. *et al*. A comparison of outcomes of locking versus non-locking plate fixation for the distal fibula fractures: a systematic review and meta-analysis. *Eur J Orthop Surg Traumatol* (2023)
11. Rajnish, R.K., Srivastava, A., Kumar, P. *et al*. Comparison of Outcomes of Long Versus Short Cephalomedullary Nails for the Fixation of Intertrochanteric Femur Fractures: A Systematic Review and Meta-analysis of 14,547 Patients. *JOIO* (2023).
12. Kumar P, Bansal P, Rajnish RK\*, Sharma S, Dhillon MS, Patel S, Kumar V. Efficacy of undenatured collagen in knee osteoarthritis: review of the literature with limited meta-analysis. *Am J Transl Res*. 2023 Sep 15;15(9):5545-5555.
13. Dhillon MS, Rajnish RK\*, Sharma S, *et al*. Foot and Ankle Injuries in Cricket Players: The Current State of Our Knowledge. *J Postgrad Med Edu Res* 2023;57(4):186–190.
14. Yadav SK, Rajnish RK, Prakash V, *et al*. *BMJ Case Rep* 2024;17:e258047.
15. Yadav SK, Rajnish RK, Jacob AM, Rao M. Chronic neck pain in a child: a case of osteoblastoma of the C5 cervical vertebra. *BMJ Case Rep*. 2024 Jan 29;17(1):e257171.
16. Kantiwal P, Yadav SK, Nalwa A, Rajnish RK. Primary Ewing's sarcoma of the talus. *BMJ Case Rep*. 2023 Dec 7;16(12):e258243.
17. Yadav SK, Choudhary AK, Kantiwal P, Rajnish RK, Gupta S, Elhence A, Kumar S, Vedant D. A rare presentation of recurrent chondroblastoma of scapula, acromion and lateral end of clavicle. *Am J Transl Res*. 2023 Oct 15;15(10):6242-6246.
18. Kantiwal P, Yadav SK, Nalwa A, Rajnish RK. Primary Ewing's sarcoma of the talus. *BMJ Case Rep*. 2023 Dec 7;16(12):e258243.
19. Yadav SK, Kunal K, Elhence A. Discovery of a Novel Yadav-Kunal Reflex in Context of Upper Motor Neuron Lesions: A Report of Three Cases. *J Orthop Case Rep*. 2024 Mar; 14(3):156-161.
20. Yadav SK, Jamal A, Kantiwal P, Elhence A, Elhence P, Thirunavukkarasu B, Saxena S. Multifocal lower limb hemangioendothelioma in a young female: a case report and review of the literature. *Int J Clin Exp Pathol*. 2024 Mar 15;17(3):83-89.

21. Kumar Yadav S, Choudhary A, Kantiwal P, Rao M, Elhence A. Proximal Tibia Primary Leiomyosarcoma: A Case Report and Review of Literature. Cureus. 2023 Aug 18;15(8):e43712.
22. Kantiwal P, Yadav S, Nalwa A, Elhence A. Pathological fracture treated with total femoral replacement in a case of chondrosarcoma involving the entire-length femoral shaft. Int J Surg Case Rep. 2024 Mar;116:109413.

**Name of Faculty: Abhay Elhence**

**Designation: Professor and Head**

#### **Books / Chapters**

1. External fixation in Pelvic fractures- **Elhence A**, Gupta A. Handbook of Orthopaedic Trauma Implantology published by Springer
2. Screw fixation in pelvi-acetabular fractures- Sen R, **Elhence A**, Saini G. Handbook of Orthopaedic Trauma Implantology published by Springer
3. Total Hip Replacement in Protrusio Acetabuli – Principles of Reconstruction and technique; **Elhence A**, Banerjee S, Gupta A; in book Total Hip Arthroplasty – Current directions and future published by Springer
4. Fractures around the Hip related to Sports: **Elhence, A.**, Alomar, A., Rajnish, R.; Sports Injuries: Prevention, diagnosis, treatment and rehabilitation in review and print with Springer

#### **Invited Lectures:**

1. Invited Guest faculty for AIIMS Pelvi-Acetabular Trauma Update from 15-17<sup>th</sup> March, 2024 at AIIMS New Delhi – Talks on Transverse and T fractures, Moderator for panel discussion on THA post acetabular fracture
2. Invited Guest Faculty and Course Chairman at Master Class Advanced Cadaveric Training, Pelvic module; 1<sup>st</sup> – 2<sup>nd</sup> March, 2024 at Chulalongkorn University, Thailand – talks on Paediatric acetabular fractures, Geriatric Acetabular fractures, THA post acetabular fractures, moderator for panel discussion on acetabular fractures and Pelvic fractures, Sacral fractures
3. Invited Guest faculty at 29<sup>th</sup> Annual Congress of the Nepal Orthopaedic Association (NOA); 22<sup>nd</sup> – 24<sup>th</sup> February, 2024 at Kathmandu, Nepal. Talks on Revision THA for Intra-pelvic Cup, Spino-pelvic association in THA, Pelvi-acetabular fractures -5 principles which PA surgeons should know, TKA in severe flexion valgus knee, THA post acetabular fracture
4. Invited Guest faculty for Annual National meeting of physical medicine and rehabilitation on 2<sup>nd</sup> February, 2024 at AIIMS Jodhpur. Talk in Polytrauma Symposium on Polytrauma and Traumatic Brain Injury
5. Invited Guest faculty for Indo -Egyptian Webinar on Complex Hip Arthroplasty on 26<sup>th</sup> January, 2024. Talk on Post acetabular fracture THA
6. Invited Guest faculty for 38<sup>th</sup> IAA Webinar on Complex Knee Arthroplasty on 25<sup>th</sup> January, 2024. Stemmed TKA in Obesity - Role and relevance
7. Invited Guest faculty for WIROC 2023 Invited Guest Faculty at 68<sup>th</sup> Annual Conference of the Indian Orthopaedic Association and Pre-conference workshop; 13<sup>th</sup> – 16<sup>th</sup> December, 2023 at Lucknow. Talks on Dual mobility cups in THA, Conversion Hip arthroplasty, Femoral Stems in Hip Arthroplasty, THA for Ortho-rheumatologic disorders, Vertical Shear injuries of the Pelvis, Transverse and T fractures of the acetabulum, Video theatre on post acetabulum THA

8. Invited Guest faculty at Current Concepts in Arthroplasty at AIIMS Delhi from 1<sup>st</sup> -3<sup>rd</sup> December, 2023. Talks on Removing a well fixed stem, Why knees fail, Jumbo Cups in THA
9. Invited Guest Faculty at Singapore Orthopaedic Association 45<sup>th</sup> Annual meeting; 22<sup>nd</sup> – 25<sup>th</sup> November, 2023 at Singapore. Talks on Elderly acetabular fractures, Combined pelvi-acetabular trauma, Pelvic fractures – Surgical decision making, Revision TKA for Infection
10. Invited Guest faculty at DOACON 2023 at Delhi. Talks on Anterior acetabular fractures, Balancing severe flexion varus knees at TKA, TKA in Severe valgus knees
11. Invited Guest Faculty at AO Trauma OTTSCON 2023; 21<sup>st</sup> – 22<sup>nd</sup> October, 2023 at Ahmedabad. Talk on Quadrilateral plate fractures
12. Invited Guest Faculty at IAACON 2023 13<sup>th</sup> – 14<sup>th</sup>, October, 2023 at Chandigarh. Talks on ALVAL, THA post acetabular fractures
13. Invited Guest Faculty at 4<sup>th</sup> Biennial Cochin International Orthopaedic Summit (CIOS 2023); 30<sup>th</sup> September, 2023 at Kochi. Talks on Anti shock screw and Symphyseal plate for exanguinating pelvic bleed, Floating Hips, Unsupportive medial column in distal femur fractures, video presentation on femur head fractures
14. Invited Guest Faculty at AO Trauma Masters Course - HIP with anatomical specimen; 22<sup>nd</sup> – 24<sup>th</sup> September, 2023 at Indore. Talks on Femur Head fractures, Sub trochanteric fracture Non Union
15. Invited Guest Faculty at Chennai Trauma Course 2023; 12<sup>th</sup> August, 2023 at Chennai. Talks on Definitive management of posterior pelvic ring injuries, Femoral head fractures, transverse acetabular fractures
16. Invited Guest Faculty at 23<sup>rd</sup> Annual Meeting of Asia Pacific Arthroplasty Society; 21<sup>st</sup> – 23<sup>rd</sup> August, 2023 at Cebu, Philippines. Talks on THA in ankylosed Hips, TKA in Severe flexion varus Knees, TKA in severe valgus Knees, Panel discussion on Revision hip arthroplasty
17. Invited Guest Faculty and Course chairman at AO Trauma Course – Basic Principles of Fractures Management; 14<sup>th</sup> – 16<sup>th</sup> July, 2023 at New Delhi. Talks on Principles of Management of Pelvic fractures, Why diaphyseal fractures of the forearm should be treated with articular fracture principles
18. Invited Guest Faculty at 52<sup>nd</sup> Malaysian Orthopaedic Association & Annual Meeting 2023; 15<sup>th</sup> – 17<sup>th</sup> June, 2023 at Penang, Malaysia. Talks on Intraoperative vascular injury in acetabular fracture management -bailing out and salvaging the hip, THA post acetabular fracture
19. Invited International guest faculty for European Pelvic Course at Amsterdam from 11<sup>th</sup>-13<sup>th</sup> May, 2023. Talk on Surgical management of Anterior Pelvic Ring Injury, Cadaveric demonstration of Anterior Intra-Pelvic Approach
20. Invited Guest Faculty at AOPAS 2023; 28<sup>th</sup> – 29<sup>th</sup> April, 2023 at Belagavi, Karnataka. Talks on THA post acetabular fracture, Periprosthetic fracture of the acetabular socket

## RESEARCH PROJECTS:

### Ongoing:

#### As Principal Investigator

1. Distal femur alignment after distal femur plate in distal femur fracture, a retrospective study
2. Floating Hip injuries -an update on classification and Management
3. RCT to assess the effect of Trazodone and Zolpidem in Sleep disturbance post TKR.
4. Functional Outcome of LC type Pelvic fractures
5. Effect of Surgery start time on postoperative cortisol, IL-6, pain catastrophizing scale and short-term patient reported outcome measure in total knee arthroplasty -A randomized controlled trial
6. Comparison of preop conventional and spino - pelvic templating in total hip arthroplasty- a randomized controlled trial



**As Co-Investigator**

1. Effect of osteoporosis on the short-term functional outcome and bone health following total knee arthroplasty.
2. Functional outcome of Lumbar Spine Surgery- a randomized control trial between conventional rehabilitation program and accelerated rehabilitation program.
3. Assessment of PCL status in patients undergoing TKR and its implication on PCL resection.
4. Radiological and functional outcome of combined pelvi-acetabular injury – a tertiary care center experience
5. A comparison of 6 month post operative adverse events after uni-compartmental knee arthroplasty vs total knee arthroplasty in elderly patients with age more than 70 years. A randomized controlled trial
6. Correlation of surgery start time on postoperative cortisol, interleukin-6, pain catastrophizing scale and short-term patient-reported outcome measure in total knee arthroplasty- A randomized controlled trial.
7. Comparison of impact of joint line orientation on patient-reported outcome measures in fixed bearing medial UKR versus TKA- An ambispective observational study.
8. Morphometric analysis of thoracolumbar junction in western Indian Population.
9. Assessment of Relationship Between Scapular & Proximal Humerus Morphology and Shoulder Dysfunction Secondary to Rotator cuff tear and subacromial impingement syndrome
10. The Enveloping Soft tissue and their Vascularity status dependent structural and cellular characterization of cement spacer IMS concomitantly to an analysis of membrane bioactivity
11. Comparison of preoperative conventional and spinopelvic templating in total hip arthroplasty - randomized controlled trial
12. Imaging patterns of angiographic hypervascularization in adhesive capsulitis- An observational prospective study.
13. Effect of tibial torsion in severe varus osteoarthritic knees on functional and gait outcomes at 6 months after TKA.
14. Do biomarkers predict bone healing in lower limb diaphyseal fractures: A Prospective Cohort study. – Co-Investigator, AO trauma Asia Pacific Research Grant.

**Completed:****As Principal Investigator**

1. Anthropometric CT based morphometric study to describe safe corridor for superior pubic ramus screw stabilization of anterior pelvic ring: a pilot study. Completed
2. Anthropometric CT based morphometric study to describe safe corridor for Infra acetabular screw stabilization of the anterior column: a pilot study. completed
3. Study to find the relation of preoperative anemia and postoperative outcomes following elective total joint arthroplasty: a prospective observational study. Completed
4. Retrospective analysis of Vitamin D levels to assess its seasonal variation in Western India. Completed
5. Intra-observer and inter-observer variability in measurements of carrying angle of the elbow using clinical and radiological methods: Completed
6. Quadrilateral plate / Pentagonal plate, the uncharted territory of the acetabulum: Completed

**As Co-Investigator:**

1. Correlation between Gross Anatomical and Radiological Evaluation for attachments of medial and lateral ligament of knee joint in cadavers of Indian origin
2. Association of socioeconomic status with incidence and severity of musculoskeletal trauma
3. Tug and Ila scores as early predictors for long term functional outcome in patients undergoing hip and knee arthroplasty
4. Factors affecting and functional effects of hamstring tendon regeneration in patients with anterior cruciate ligament reconstruction using hamstring tendon autograft at 6 months follow up - A prospective study.
5. Comparison between contoured rod and straight rod in restoration of segmental and regional lumbar lordosis in single level open transforaminal lumbar interbody fusion
6. Biomechanical factors in patellofemoral pain syndrome: A cross-sectional study.
7. Evaluation of proximal humerus fracture outcome and effect of fracture type on postoperative avascular necrosis of head and fragment collapse.
8. Evaluation of proximal humerus fracture outcome and effect of fracture type on postoperative avascular necrosis of head and fragment collapse.

### **Examinership**

1. PG External Examinership at AIIMS Rishikesh, AIIMS Raipur,
2. Examiner for National Board of Examinations, New Delhi
3. External Expert and reviewer for Extra murals and funded projects for AIIMS Delhi

### **Name of Faculty: Dr. Sumit Banerjee**

### **Designation: Professor**

### **Papers Presented:**

1. Presentation on "Adult Flat Foot" IOA-IFAS Course, Jodhpur, June 2023
2. Presentation "Role Of TUG And ILAS Scores in early Functional Level Assessment after joint replacements. IAACON, Chandigarh, October 2023.
3. Presentation "Getting up and Looking ahead: Early post-operative Activity scores as predictors of long term Functional outcomes in Arthroplasty patients" 43<sup>rd</sup> SICOT Orthopedic World Congress, Egypt November 2023.

### **Invited Lectures:**

1. Lecture on "Ortho-Biologics in Patellar Tendinopathies" 4<sup>th</sup> Global Regenerative Medicine Summit, New Delhi, April 2023
2. Lecture on "Musculoskeletal Trauma" ATLS Provider Course, Jodhpur, May 2023.
3. Lecture on "Transfer to definitive Care" ATLS Provider Course, Jodhpur, August 2023.
4. Lecture on "Initial Assessment and Management" ATLS Provider Course Jodhpur, August 2023.
5. Lecture on "ACL avulsions- Diagnosis and Management Strategies" IAS One 2023, Jodhpur, October 2023.
6. Lecture on "Spine and Spinal Cord Trauma" ATLS Provider Course, Jodhpur, October 2023.
7. Lecture on "Cartilage Restoration: Osteochondral Autologous Transplants (OATS) and Osteochondral Allografts." 9<sup>th</sup> Congress of the Indian Cartilage Society, Chennai, October 2023
8. Lecture on "Transfer to definitive Care" ATLS Provider Course, Jodhpur, November 2023.

9. Lecture on “Initial Assessment and Management” ATLS Provider Course, Jodhpur, November 2023
10. Lecture on “HTO in Medial Compartment Osteoarthritis” ICS Regional Meet, Jammu January 2024.
11. Lecture on “Abdominal and pelvic trauma” ATLS Provider Course, Jaipur, February 2024.
12. Lecture on “Infected ACL reconstruction: Diagnosis and management” 35<sup>th</sup> ROSACON, Jaisalmer, February 2024.

#### **Resource Faculty:**

1. 4<sup>th</sup> Global Regenerative Medicine Summit, New Delhi, April 2023 (Faculty)
2. 5<sup>th</sup> APOA- YSF India Chapter, New Delhi, April 2023 (Session Chair)
3. ATLS Provider Course, Jodhpur, May 2023 (Faculty)
4. IOA-IFAS Course, Jodhpur, June 2023 (Faculty)
5. 9<sup>th</sup> International Arthroscopy Academy Meeting 2023, Mumbai, July 2023 (Faculty)
6. ATLS Instructor Course, Puducherry, August 2023 (Faculty)
7. ATLS Provider Course, Jodhpur, August 2023 (Faculty)
8. Faculty Development Program- Creating optimal presentations, Jodhpur, September 2023 (Faculty)
9. WHO Pilot of operative care course, SCDH and UHCC meet, New Delhi September 2023 (Faculty)
10. IAS One 2023, Jodhpur, October 2023 (Faculty)
11. ATLS Provider Course, Jodhpur, October 2023 (Course Director)
12. 9<sup>th</sup> Congress of the Indian Cartilage Society, Chennai, October 2023 (Scientific Committee/ Faculty)
13. ATLS Provider Course, Jodhpur, November 2023 (Course Director)
14. ICS Regional Meet, Jammu, January 2024 (Faculty)
15. 35<sup>th</sup> ROSACON, Jaisalmer, Feb 2024 (Scientific Committee/ Faculty)
16. ATLS Provider Course, Jodhpur, February 2024 (Faculty)
17. ICS- Arthroschool Webinar on OCD, February 2024 (Moderator)
18. WHO universal health coverage compendium SCDH review Meeting, Mumbai, February 2024 (Faculty)
19. ICS Regional Meet, Jodhpur, March 2024 (Faculty)

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator:**

1. Do biomarkers predict bone healing in lower limb diaphyseal fractures: A Prospective Cohort study. – Principal Investigator, AO trauma Asia Pacific Research Grant.
2. Comparing growth factors and stem cells in managing Patellar tendinopathy- ON/ESSKA literature Grant patellar tendinopathy for systematic review.
3. Effect of Osteoporosis on functional outcome following total knee replacement. A Prospective cohort study.
4. Do biomarkers predict bone healing in lower limb diaphyseal fractures: A Prospective Cohort study. – Extramural
5. Assessment of Donor ankle function in Peroneus longus autograft for Knee ligament reconstructions.
6. Assessment of PCL status in patients undergoing TKR and its implications on PCL resection – A prospective observational study
7. Comparing TENS and Cryotherapy for Improving muscle strength and return to sports scores in patients with ACL reconstruction: A randomized control Trial. (Intramural- Funded)

8. Predicting return to sports after ACL reconstruction: A comprehensive approach encompassing physical, functional and psychosocial components.
9. Comparing the femoral tunnel position and stability following ACL reconstruction using outside in v/s antero medial portal technique-a randomized controlled trial.

#### **As Co-Investigator:**

1. Correlation of surgery start time on postoperative cortisol, interleukin-6, pain catastrophizing scale and short-term patient-reported outcome measure in total knee arthroplasty- A randomized controlled trial.
2. Comparison of impact of joint line orientation on patient-reported outcome measures in fixed bearing medial UKR versus TKA- An ambispective observational study.
3. Morphometric analysis of thoracolumbar junction in western Indian Population.
4. Evaluation of Efficacy and Safety of High Volume Image Guided Injection for Tendo Achilles Tendinopathy.
5. A cross-sectional study: association of neuropathic pain with femoral cartilage thickness and disability in patients of osteoarthritis knee
6. Comparison of gait before and three months after total knee replacement in patients of chronic osteoarthritis of knee.
7. A Randomized Controlled Study For Comparison Of Intravenous Low Dose Ketamine Versus Intravenous Fentanyl For Pain Management In Isolated Limb Injury.
8. Assessment of Relationship Between Scapular & Proximal Humerus Morphology and Shoulder Dysfunction Secondary to Rotator cuff tear and subacromial impingement syndrome
9. Radiological and functional outcome of combined pelviacetabular injury - tertiary care centre experience
10. A comparison of 6 month post operative adverse events after unicompartmental knee arthroplasty vs total knee arthroplasty in elderly patients with age more than equal to 70 years : A randomised controlled trial
11. The Enveloping Soft tissue and their Vascularity status dependent structural and cellular characterization of cement spacer IMS concomitantly to an analysis of membrane bioactivity
12. Comparison of preoperative conventional and spinopelvic templating in total hip arthroplasty - randomized controlled trial
13. Imaging patterns of angiographic hypervascularization in adhesive capsulitis- An observational prospective study.
14. Effect of tibial torsion in severe varus osteoarthritic knees on functional and gait outcomes at 6 months after TKA.
15. Floating hip- treatment outcomes and complications.
16. Clinical significance of sonographic evaluation and interventions in wrist and hand pathologies.

#### **Completed:**

##### **As Principal Investigator:**

1. Study of variation in lateral femoral condyle index as a risk factor in Anterior Cruciate Ligament injury.
2. TUG and ILAS scores as early predictors for functional outcome in patients undergoing hip and knee Arthroplasty.
3. A study on the relation of socioeconomic status with incidence and severity of musculoskeletal trauma.

4. Assessment of Donor ankle function in Peroneus longus autograft for Knee ligament reconstructions.
5. Comparative efficacy of Platelet Rich Plasma injection and Hyaluronic Acid injection in the treatment of Periarthritis shoulder.
6. Evaluation of patient and doctor perception toward the effectiveness and satisfaction of telemedicine in orthopaedics during COVID-19 pandemic

#### **As Co-Investigator:**

1. Comparison of preoperative genicular nerve radiofrequency ablation with conventional analgesics on post-operative outcome following total knee arthroplasty: A randomized controlled trial (Intramural – Funded)
2. Description of trauma patients in the emergency department of a tertiary care hospital in northwest India.
3. Study to find the relation of preoperative anemia and postoperative outcomes following elective total joint arthroplasty: a prospective observational study.
4. Factors affecting and functional effects of hamstring tendon regeneration in patients with anterior cruciate ligament reconstruction using hamstring tendon autograft, at 6 months follow up- a prospective study
5. Effect of addition of blood flow restriction training to conventional anterior cruciate ligament rehabilitation protocol on the level of activity after anterior cruciate ligament reconstruction.
6. Evaluation of proximal humerus fracture outcome and effect of fracture type on post-operative avascular necrosis of head and fragment collapse.
7. Traumatic limb injuries and their outcomes – A prospective observational study
8. Development of interprofessional Sports injury prevention module as a learning tool for teaching musculoskeletal anatomy.

#### **Examinership:**

1. PG Thesis evaluation, AIIMS Delhi Jan 2024
2. External Examiner DNB examinations, Delhi April 2023.
3. PG Thesis Evaluation, NBE, August 2023 & December 2023

#### **Membership:**

1. American College of Surgeons (Fellow)
2. AO Trauma
3. AO Recon
4. Indian Orthopedic Association (IOA)
5. International Society Arthroscopy, Knee Surgery and Orthopedic Sports Medicine (ISAKOS)
6. European Society for Sports Traumatology, Knee Surgery and Arthroscopy (ESSKA)
7. International Cartilage Research Society (ICRS)- member Communications Committee
8. Indian Cartilage Society (ICS)- Chairman Education and Bylaws Committee
9. Indian Arthroplasty Association (IAA)
10. Indian Arthroscopic Society (IAS)
11. Asia Pacific Orthopedic Association (APOA)

#### **Conference/Workshop attended:**

1. Arthroschool webinar, patellofemoral Instability, September 2023

2. IAACON, Chandigarh, October 2023
3. Arthroschool webinar, Stemcells: Myth or Reality, October 2023
4. 2<sup>nd</sup> Complex Knee Injury Course, Jaipur, November 2023
5. 43<sup>rd</sup> SICOT Orthopedic World Congress, Egypt, November 2023

**CME/ Courses organized:**

1. Communications skills Workshop, Jodhpur, April 2023
2. ATLS Provider Course, Jodhpur, May 2023
3. ATLS Provider Course, Jodhpur, August 2023
4. Faculty development program, Jodhpur, September 2023
5. 9<sup>th</sup> ICS Congress, Chennai, October 2023
6. ATLS Provider Course, Jodhpur, October 2023
7. ATLS Provider Course, Jodhpur, November 2023
8. 35<sup>th</sup> ROSACON 2023, Jaisalmer, February 2023
9. ICS Regional Meet, Jodhpur, March 2023
10. ATLS Provider Course, Jodhpur, March 2023

**Name of Faculty: Dr. Nitesh Gahlot**

**Designation: Additional Professor**

**Research Project:**

**Ongoing**

**As Principal Investigator:**

1. Evaluation of knee ligament injuries and outcome assessment of surgical and non-surgical management. Ongoing
2. Effectiveness of local platelet rich plasma injection in fracture site in delayed union of closed diaphyseal long bone fractures. Ongoing
2. Description of trauma patients in the emergency department of a tertiary care hospital in northwest India. Ongoing
3. Critical radiological and functional outcome analysis of proximal humerus fracture patients. Ongoing
4. Effectiveness of back school program in chronic low back pain in different occupational settings at a tertiary care set-up. Ongoing

**As Co- Investigator:**

1. Prospective randomized controlled trial to compare femoral neck shortening after internal fixation of femoral neck fracture with sliding angular stable implant or multiple cannulated screws. Ongoing
2. Morphometric analysis of thoracolumbar junction (T11-L2) in western indian population. ongoing

**Completed**

**As Co- Investigator:**

1. Effect of platelet Rich plasma on healing of labrum following arthroscopic bankart repair: a randomized control trial. Completed

**Membership:**

1. Elected as the Executive Council member of the Young Surgeons' Forum (YSF) of the Asia Pacific Orthopaedic Association (APOA).
2. AO Trauma Faculty and Member
3. AO Spine Member
4. Fellowship: Joint Replacement Fellowship under the aegis British India Orthopaedic Society's (BIOS), London, United Kingdom, July 2023.

**Conferences Organized:**

1. Pre- Basic AO Trauma Online Seminar—Introduction to Basic Principles of Fracture Management. AIIMS Jodhpur, October 2023.

**Conferences attended:**

1. Delegate, 14th Biennial Congress of the International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISKSAA), Boston, MA, United States, June, 2023.
2. Delegate, British India Orthopaedic Society's (BIOS) annual meeting at London, July 2023.
3. Faculty lecture, 4th ASONCON & 2nd SAARC SPORTSMEDCON, Pokhara, Nepal.
4. Faculty lecture, Asia Pacific Orthopaedic Association Young surgeons' forum (APOA-YSF India), Delhi. April 2023.
5. Faculty lecture, 4th Global Regenerative Medicine Summit (GRMS), New Delhi, April 2023.
6. Faculty lecture, CEZCON -2023 (Annual conference of Central Zone Of Indian Orthopaedic Association), August 2023.
7. Faculty lecture, 7th World Congress on Science & Medicine in Cricket at Hotel Taj, Chandigarh, November 2023.
8. Faculty lecture and workshop, Annual conference for the Delhi Orthopaedic Association, November, 2023.
9. Faculty lecture, 20<sup>th</sup> Annual conference of the Indian Arthroscopy Association (IASCON), Lucknow. September 2023.
10. Faculty lecture, Delhi Orthopaedic Association (DOA) First Quarterly Meet. January 2024.
11. Faculty lecture, IAS-ONE 2023: Jodhpur, October 2023, Military Hospital Jodhpur.
12. Faculty lecture, AO Trauma Course - Basic Principles of Fracture Management. New Delhi, July 2023.
13. Delegate, 2nd Complex Knee Injury Course, November, Jaipur 2023.
14. Faculty, Udaipur Arthroscopy course, March 2024, Udaipur.

**Name of Faculty: Dr. Sandeep Kumar Yadav****Designation: Assistant Professor****Papers presented –**

1. IOACON 2023 - A systemic review and meta-analysis of pararectus versus ilioinguinal approach for the management of acetabular fractures
2. ASSICON 2023 - Evaluation of spinopelvic parameters in patients with lumbosacral transitional vertebra: a cross sectional and comparative study.
3. IMSOS 2024 – Allografting in Giant cell tumour

**Research projects:**

**As Principal Investigator**

**Ongoing –**

1. Effect of Preoperative and Postoperative Spinopelvic Parameters on outcomes of Lumbar Decompression Surgery-A Clinic radiological study.

**As Co - Investigator**

1. Assessment of clinico-radiological outcomes and rotator cuff muscle strength in surgically treated scapula fracture patients.
2. Comparison of Impact of joint line orientation on patient reported outcome measures in fixed-bearing medial unicompartmental knee arthroplasty versus Total Knee Arthroplasty – Ambispective observational study
3. Cemented versus uncemented total hip arthroplasty in Elderly – A retrospective comparative study
4. Does liner makes a difference? Propensity score matched prospective comparative observational study to compare the level of metal ions in modular dual mobility total hip arthroplasty with two different liners.
5. Establishment of a fragility fracture Liaison Service: A multicentric study.

**Completed**

**As Principal Investigator**

1. Functional outcome and analysis of factors affecting health-related quality of life of surgically managed pelvic ring fractures: a cross-sectional study
2. Pain and disability index in chronic low back pain patients with deranged spinopelvic parameters
3. Morphometric analysis of thoracolumbar junction in western Indian population
4. Giant cell tumour around knee: Clinico - radiological evaluation at a tertiary care centre

**Name of Faculty: Dr. Saurabh Gupta**

**Designation: Assistant Professor**

**Papers Presented:**

1. Best E-poster award presentation as presenting author "Patient Reported Outcome Measures Correlates With Joint Line In Fixed-Bearing Medial Unicompartmental Knee Arthroplasty – Prospective Observational Study" at Techniques and Technologies in Joint Replacement (TTJR) 2023, Sir HN Reliance Foundation Hospital, Mumbai, on 1st and 2nd April 2023
2. Case presentation on “All-In-One Revision Total Knee Arthroplasty” at 5th Annual Conference of APOA-YSF India Chapter, AIIMS, New Delhi, April 2023
3. Poster presentation as presenting author "Dilemma in fixing femur neck fracture – Is there any difference in neck shortening between FNS and MCS? - A Double-Blinded Prospective Randomized Controlled Trial" at AAOS 2024 Annual meeting, San Francisco, USA, February 2024
4. Presented Paper as presenting author at Indian Arthroplasty Association Conference (IAACON) 2023, Chandigarh, October 2023
5. Presented Paper as presenting author at Indian Arthroscopy Society Conference (IASCON) 2023, Lucknow, September 2023



6. Presented as presenting author at SICOT World Orthopaedic Congress 2023, Cairo, Egypt, November 2023
7. Presented as presenting author at Rajasthan Orthopaedic Surgeon Association Conference (ROSACON) 2024, Jaisalmer, Rajasthan, February 2024
8. Presented as presenting author at International Cartilage Society Conference (ICS), India Chapter, AIIMS, Jodhpur, March 2023
9. Presented as Presenting Author "Musculoskeletal Disorders in Elderly" at Training of Medical Officers from PHC/ CHC in Geriatric Health, AIIMS Jodhpur, November 2023
10. Presented as Faculty at PRIMER WORKSHOP on Teaching Learning Methods for Senior Residents, organized by Department of Medical Education Technology, AIIMS Jodhpur, March 2024
11. Presented as presenting author at Advanced Partial Knee Arthroplasty Course (APAC) Knee: Oxford Partial Knee, Bangkok, Thailand, March 2024
12. Presented as presenting author at Online IAA 360 degree Webinar, March 2024

#### **Resource Faculty:**

1. Attended as Resource person at the Techniques and Technologies in Joint Replacement (TTJR) 2023, Mumbai, April 2023
2. Participated as Faculty at 5th Annual Conference of APOA-YSF India Chapter, AIIMS, New Delhi, April 2023
3. Attended as Faculty at "DAA Cadaveric Workshop" during NZOACON 2023, JPNATC, AIIMS New Delhi, India, May 2023
4. Attended as Faculty at PRIMER WORKSHOP on Teaching Learning Methods for Senior Residents, organized by Department of Medical Education Technology, AIIMS Jodhpur, March 2024
5. Attended as Faculty at Rajasthan Orthopaedic Surgeon Association Conference (ROSACON) 2024, Jaisalmer, Rajasthan, February 2024
6. Participated as Faculty in Training of Medical Officers from PHC/ CHC in Geriatric Health, AIIMS Jodhpur, November 2023
7. Served as an Examiner at the SICOT Diploma Examination, 43<sup>rd</sup> International Society of Orthopaedic Surgery and Traumatology (SICOT) Orthopaedic World Congress (OWC), Cairo, Egypt, November 2023.
8. Awarded as resource person position/ Member for SICOT Computer and Enabling Technologies Subcommittee, November 2023
9. Attended as Faculty at International Cartilage Society Conference (ICS), India Chapter, AIIMS, Jodhpur, March 2023
10. Attended as resource person at APAC Knee: Oxford Partial Knee, Bangkok, Thailand, March 2024
11. Attended OTA webinar on Periprosthetic Upper Extremity fracture - Tips and Tricks for the Trauma Surgeon, March 2024
12. Attended online Hands-On-Workshop: Use of Ovid for Systematic Reviews/ Meta-analysis, AIIMS, Jodhpur, March 2024
13. Attended EFORT webinar on Implantables & Smart Implants: Ready for Clinic?, February 2024

#### **Research Project:**

#### **Research Projects as Principal Investigator or Co- Investigator:**

1. Prospective randomized controlled trial to compare femoral neck shortening after internal fixation of femoral neck fracture with sliding angular stable implant or multiple cannulated screws - Principal Investigator - Completed
2. Joint line orientation after Fixed-Bearing Medial unicompartmental Knee Arthroplasty Correlates well with Patient-reported outcome measures when compared with matched Total knee arthroplasty subsets – an ambispective observational study - Principal Investigator – Completed
3. Assessment of clinic-radioiological outcome and rotator cuff muscle strength in surgically treated scapula fracture – Co Investigator
4. Effect of pre and post-operative spino-pelvic parameter on outcome of lumbar decompression surgeries – Co Investigator
5. Comparison of Impact of joint line orientation on patient reported outcome measures in fixed-bearing medial unicompartmental knee arthroplasty versus Total Knee Arthroplasty – Ambispective observational study - Principal Investigator
6. Cemented versus uncemented total hip arthroplasty in Elderly – A retrospective comparative study - Principal Investigator
7. Does liner makes a difference? Propensity score matched prospective comparative observational study to compare the level of metal ions in modular dual mobility total hip arthroplasty with two different liners - Principal Investigator – INTRA-MURAL FUNDED PROJECT

### Scientific Awards

1. Awarded Best E-poster presentation as presenting author "Patient Reported Outcome Measures Correlates With Joint Line In Fixed-Bearing Medial Unicompartmental Knee Arthroplasty – Prospective Observational Study" at Techniques and Technologies in Joint Replacement (TTJR) 2023, Sir HN Reliance Foundation Hospital, Mumbai, on 1st and 2nd April 2023
2. Completed Robotics and Real Intelligence in Orthopaedics Certification Course 2023 (RIO) at Techniques and Technologies in Joint Replacement (TTJR) 2023, Sir HN Reliance Foundation Hospital, Mumbai, April 2023
3. Awarded International Fellowship by Indian Arthroplasty Association (IAA) at IAACON 2023, Chandigarh, October 2023
4. Awarded International CASM Fellowship by Indian Arthroscopy Society (IAS) at IASCON 2023, Lucknow, September 2023
5. Awarded Best Young Researcher award at SICOT World Orthopaedic Congress 2023, Cairo, Egypt, November 2023
6. Served as an Examiner at SICOT Diploma Examination, Cairo, Egypt, November 2023
7. Awarded as a resource person position/ membership for SICOT Computer and Enabling Technologies Subcommittee, November 2023
8. Included in the Editorial Board of the Journal of Arthroplasty (JOA)

### Membership/Post in Journal or Society or Association

11. Member of Department of Medical Education Technology, AIIMS Jodhpur
12. Member, Assistant Provost of PG and Senior Resident Hostel PROVOST Committee, AIIMS, Jodhpur
13. SICOT, Active member
14. Indian Arthroplasty Association (IAA), Life member
15. International Society for Computer-Assisted Orthopaedic Surgery (CAOS International) – Active member

16. SICOT Computer and Enabling Technologies Subcommittee
17. MNAMS (National Academy of Medical Sciences), Life Membership

#### **National/ International Conferences attended:**

1. Attended 43<sup>rd</sup> SICOT Orthopaedic World Congress, Cairo, Egypt, November 2023
2. Attended Indian Arthroplasty Association Conference (IAACON), Chandigarh, , September 2022
3. Attended 9<sup>th</sup> Trauma Conclave - American Association of Orthopedic Surgeons (AAOS) (Virtual), December 2022
4. **Attended SRS Research Grant Outcome Symposium (Virtual), 4<sup>th</sup> March 2023**
5. Attended “THA in Dysplastic Hips” session (virtual), Asia Pacific Hip Society (APHS), May 2022
6. PRIMER WORKSHOP on Teaching Learning Methods for Senior Residents on March, 2024, organized by Department of Medical Education Technology, AIIMS Jodhpur
7. Attended as resource person at APAC Knee: Oxford Partial Knee, Bangkok, Thailand, March 2024
8. Attended 35<sup>th</sup> Annual Conference of Rajasthan Orthopaedic Surgeon’s Association (ROSACON), Jaisalmer, February 2023
9. Attended “User Awareness – Oxford Journals ERMED Training Module”, AIIMS Jodhpur, May 2023
10. Served as an Examiner at SICOT Diploma Examination, Cairo, Egypt, November 2023
11. Attended Faculty Development Workshop on Power Point Presentation, AIIMS, Jodhpur, October 2023

**Name of Faculty: Dr. Prabodh Kantiwal**

**Designation: Assistant Professor**

#### **Paper presentations:**

1. Given a lecture as Faculty, "Fibular Hemimelia" ASAMICON-2024.
2. Given a lecture as Faculty, "Masquelet Technique for the treatment of Gap-Bone defects in a cohort of adult and paediatric patients" ASAMICON-2024.
3. Given a lecture as Faculty, "Bridging the Bone Gap with Induced Membrane" in CEZCON 2023.
4. Given a lecture as Faculty “Open Physeal Plate is not a Barrier always: epi-diaphyseal resection and biological reconstruction in high-grade osteosarcoma in paediatric patients” in 5<sup>th</sup> Annual Meeting of the APOA – YSF.
5. Participated as faculty and delivered a lecture on Bone Sarcoma in ‘ONCOLOGY SESSION’, titled “Epidiaphyseal resection and biological reconstruction in bone sarcomas” in IOACON 2023, Lucknow.
6. Presented a scientific paper entitled “Tran-epiphyseal resection and biological reconstruction in osteosarcoma around knee joint” – for Oral Podium Presentation In “Dr S S Yadav Gold Medal session” of IOACON 2023, Lucknow.
7. Given a Faculty lecture on "MASQUELET TECHNIQUE" at ROSACON-2024.
8. Presented an ‘ePoster’ entitled “Is considering the foot a single entity in spite of multiple Osseoligamento-tendinous structures, an optimal therapeutic approach while treating malignancies of Tarsals - a case of Primary Ewing’s Sarcoma of Talus” at SICOT 2023.
9. Presented an ‘ePoster’ entitled “Free Fibula Intercalary Reconstruction and Physiological Joint Preservation in Orthopaedic Oncology: A Biological Reconstructive Option” at SICOT 2023.

10. Presented an 'ePoster' entitled "epi-diaphyseal resection and biological reconstruction in high-grade sarcomas in paediatric patients: an effective method of physiologic joint preservation and limb salvage" at SICOT 2023.
11. Presented an 'ePoster' entitled ". Preservation of stump length and avoidance of prosthesis socket revision should be achievable outcomes while managing amputation stump fractures: a case of proximal femur fracture in high above knee amputee" at SICOT 2023.
12. Presented an e-poster entitled "Exceptionally Large Multilobed Osteochondromas of Scaphoid, Trapezium and a Smaller One in the APL Tendon in a four-year Female Child" at CEZCON 2023.
13. Presented an e-poster entitled "Case of pedunculated osteochondroma arising from the head of Talus presenting clinically as flexible pes planus in a young female" at CEZCON 2023.
14. Presented an e-poster entitled "masquelet technique for the treatment of gap-bone-defects in a cohort of adult and paediatric patients" at ROSACON-2024.
15. "Pedunculated osteochondroma arising from the head of Talus presenting clinically as flexible pes planus in a young female: a case report" as poster presentation at IOACON 2023, Lucknow
16. "Salvage of the First Ray in post-traumatic Chronic Osteomyelitis through Induce Membrane Technique: a report of two cases" as poster presentation at IOACON 2023, Lucknow
17. "Exceptionally giant neglected Sacral Chordoma in a post-poliotic residual paralysis patient treated by en-bloc resection and sacrectomy- a rare case scenario" as poster presentation at IOACON 2023, Lucknow

### Memberships

1. AO trauma foundation – Member
2. AO Spine - member
3. SICOT (Société Internationale de Chirurgie Orthopédique et de Traumatologie International Society of Orthopaedic Surgery and Traumatology) – Associate Member
4. Central Zone of Indian Orthopaedic Association (CEZ-IOA)
5. North Zone of Indian Orthopaedic Association (NZOA)

### Fellowships:

1. AO Trauma Fellowship – 2023 (6 weeks- 15 May 2023 to 23 June 2023) at the Department of Trauma Surgery, University Hospital Zurich (USZ), Switzerland, with Dr Hans-Christoph Pape.
2. "AO Spine Fellowship 2024" at IRCCS Istituto Ortopedico Rizzoli, Italy (3<sup>rd</sup> – 28<sup>th</sup> June 2024)
3. "BIOS-ROSA Overseas Fellowship-2024\_(Wales, UK)"

### Course & Workshops:

1. AO Trauma Twin Course—Basic Principles of Fracture Management, held at New Delhi, July 14-16, 2023: participated as Table Faculty.
2. AO Spine Principles Course, held at Jaipur, August 05- 06, 2023
3. AO Trauma Masters Seminar —Tips from the Masters, held at Hyatt Regency, Chennai, 3<sup>rd</sup>–5<sup>th</sup> November, 2023

### Conferences:

1. 43<sup>nd</sup> SICOT ORTHOPAEDIC WORLD CONGRESS, held at Cairo, Egypt, 21<sup>st</sup>-23<sup>rd</sup> November 2023.

2. IOACON 2023 - 68<sup>th</sup> (LXVIII) Annual Conference of Indian Orthopaedic Association held at Ekana Sports Complex, Lucknow, Uttar Pradesh (14<sup>th</sup> – 17<sup>th</sup> December 2023)
3. POSICON 2024, 30<sup>th</sup> Annual Conference of Paediatric Orthopaedic Society of India held at Kiranshree Grand in Azara, Guwahati, Assam (16<sup>th</sup> – 19<sup>th</sup> February 2024)
4. ROSACON 2024, 35<sup>th</sup> Annual Conference of Rajasthan Orthopaedic Surgeons Association held at Hotel Rang Mahal Palace, Jaisalmer, Rajasthan (9<sup>th</sup>-11<sup>nd</sup> February 2024)
5. ASSICON 2024 - Annual Conference of Association of Spine Surgeons of India held in Mumbai from 18<sup>th</sup> January - 21<sup>st</sup> January 2024.
6. 5<sup>th</sup> Annual Meeting of the APOA – YSF India Chapter held at JPN Apex Trauma Centre, AIIMS, New Delhi (22<sup>nd</sup> – 23<sup>rd</sup> April 2023)
7. ASAMICON 2024 - Annual Conference of ASAMI-INDIA held in Goa from 18<sup>th</sup> January - 21<sup>st</sup> January 2024.
8. SIFAM 2023 - 1<sup>st</sup> SICOT-IFAS FOOT AND ANKLE MEET held on 13-15 October 2023 at Jaipur, India.
9. CEZCON 2023 - 22<sup>nd</sup> Annual Conference Central Zone of IOA at Jaipur, Rajasthan (25<sup>th</sup> -27<sup>th</sup> August 2023)

**Name of Faculty: Dr. Rajesh Kumar Rajnish**

**Designation: Assistant Professor**

**Book chapters:**

1. Rajnish, R.K., Rathor, K. (2023). Clinical Features and Staging of AVN Hip. In: Kumar, P., Aggarwal, S., Kumar, V. (eds) Insights into Avascular Necrosis of the Femoral Head. Springer, Singapore. [https://doi.org/10.1007/978-981-99-1346-6\\_5](https://doi.org/10.1007/978-981-99-1346-6_5)
2. Rajnish, R.K., Elhence, A., Jha, S.S. et al. Pain Management in Osteoporosis. *JOIO* (2023).

**Papers presented**

1. Presented as faculty; Tri-malleolar fracture management at 35<sup>th</sup> annual conference of Rajasthan Orthopaedic Surgeons Association ROSACON-2024, Jaisalmer, India.
2. Presented as presenting author at International Cartilage Society Conference (ICS), India Chapter, AIIMS, Jodhpur, March 2023
3. Presented as faculty; Literature review and evidence on ankle syndesmotric injury at SIFAM-2023, Jaipur, India.
4. Presented poster on “symptomatic Os Subtibiae presented with chronic pain in a young adult: A Rare Case Report” IFASCON 2023 Nagpur held on 25<sup>th</sup> -27<sup>th</sup> August 2023.
5. Presented poster on “Synchronous multicentric giant cell tumour of an immature skeleton with epiphysio-metaphyseal origin” IFASCON 2023 Nagpur held on 25<sup>th</sup> -27<sup>th</sup> August 2023.
6. Presented poster on “A comparison of outcomes of locking Versus nonlocking plate fixation for the distal fibula fractures: A Systematic Review and Meta-analysis” at IOACON 2023, Lucknow held on 14<sup>th</sup> -17<sup>th</sup> December 2023.
7. Presented poster on “Comparison of outcomes of Long versus Short Cephalomedullary nails for the fixation of intertrochanteric femur fractures: A Systematic Review and Meta-analysis of 14547 patients” at IOACON 2023, Lucknow, held on 14<sup>th</sup> -17<sup>th</sup> December 2023.

**Research Project:****Ongoing projects****Chief Investigator**

1. Assessment of clinico-radiological outcomes and rotator cuff muscle strength in surgically treated scapula fracture patients.

**Co-Investigator**

1. Comparison of Impact of joint line orientation on patient reported outcome measures in fixed-bearing medial unicompartmental knee arthroplasty versus Total Knee Arthroplasty – Ambispective observational study
2. Cemented versus uncemented total hip arthroplasty in Elderly – A retrospective comparative study
3. Does liner makes a difference? Propensity score matched prospective comparative observational study to compare the level of metal ions in modular dual mobility total hip arthroplasty with two different liners.
4. Establishment of a fragility fracture Liaison Service: A multicentric study.

**Membership/Post in Journal or Society or Association**

1. Associate editor: Indian Journal of Orthopaedics
2. Assistant editor- Journal of Orthopaedics
3. Editorial board member: BMC Musculoskeletal Disorders
4. Reviewer – Springer Nature, Elsevier, BMJ, Sage group of Journals, JEO (Wiley)

**Conferences attended**

1. Attended “68<sup>th</sup> Annual Conference of the Indian Orthopaedic Association- IOACON 2023 Lucknow held on 14<sup>th</sup>-17<sup>th</sup> December 2023.
2. Attended and completed, AO Trauma Masters Seminar-Tips from Masters on November 3-5, 2023 at Chennai, India.
3. Attended “the 35<sup>th</sup> Annual National Conference of the Indian Foot and Ankle Society - IFASCON 2023 Nagpur held on 25<sup>th</sup>-27<sup>th</sup> August 2023.
4. Attended “AO Trauma course- Basic Principles of Fracture Management- as Table Instructor July14-16, 2023, New Delhi, India
5. Attended the ISAKOS webinar presented with ICRS on Bone Marrow Edema: Incidence, Effects upon Joint Function, and Treatment October 27, 2023.
6. Attended the ISAKOS Webinar presented with APKASS; ACL Injury: Who Needs a Repair, Who Needs More than a Reconstruction? On July 21, 2023
7. Attended, LetPub Learning Nexus Webinar on Publishing open access in 2024 on January 11, 2024
8. Medical Photography Workshop Medical Photography workshop by the Department of Medical Education & Technology, AIIMS, Jodhpur. held on 19<sup>th</sup> August 2023 at the Skill Lab, AIIMS, Jodhpur.

**Course & Workshops:**

1. AO Trauma Twin Course—Basic Principles of Fracture Management, held at New Delhi, July 14-16, 2023: participated as Table Faculty.

2. AO Trauma Masters Seminar —Tips from the Masters, held at Hyatt Regency, Chennai, 3<sup>rd</sup>–5<sup>th</sup> November, 2023

## Department of Otorhinolaryngology

S. No.	Name	Designation
1.	Dr. Amit Goyal	Professor and Head of Department
2.	Dr. Bikram Choudhury	Professor
3.	Dr. Kapil Soni	Additional Professor
4.	Dr. Vidhu Sharma	Assistant Professor
5.	Dr. Rashmi Hansdah	Assistant Professor

### About the Department

The Department of Otorhinolaryngology had an eventful and fruitful year making significant contributions to all the four domains of clinical work and patient care, academics and medical education, research and social outreach. The Department was strengthened by the joining of a new Faculty member, raising the total count to five.

We performed the **first Bone Bridge implantation** in Western Rajasthan in a 19-year-old girl who had previously undergone pinna reconstructive surgery in our department. This implantation led to her complete cosmetic as well as functional rehabilitation – opening new frontiers for similarly afflicted patients.

Our department organized the 4<sup>th</sup> **Live Surgical and Hands-On Cadaveric Dissection Course on Head and Neck Surgery, Rhinoplasty and Facial Plastics**, in collaboration with the Department of Anatomy, furthering our commitment to the advancement of medical education and hands-on training of young ENT surgeons. We also conducted the **exit exam** for the first Neuro-otology and Skull Base Surgery fellow.

Continuing with the department's previous publication streak, we published ten research papers in addition to a book chapter and adding a feather to our cap, our resident Dr. Nidhin Das, under the guidance of Dr. Amit Goyal, received the **second prize for Best Published PG Thesis** on the occasion of the institute's **First Research Day**. Our residents also made us proud at national conferences by winning accolades in resident quiz and paper presentations, while also contributing to medical innovations and bagging prizes for the same.

Departmental faculty members were also felicitated and appreciated on the First Research Day of the institute for their research related achievements like Patents, Book/Book chapters etc.

Celebrating the spirit of our differently abled patients and their journey from silence to music, we organized **Implan 2023** with our cochlear implant recipients and their families.

Marking the 200<sup>th</sup> cochlear implantation performed in the department, we chronicled the journey of our cochlear implantation program over the years. The socio-cultural activity focused on enabling interaction amongst the children and their families, celebrating their spirit and successes, encouraging those children and parents who are awaiting surgery, who were also in attendance and emphasizing the importance of early detection of hearing loss and prompt rehabilitation.

In the same vein, our faculty gave a radio talk on the occasion of **World Hearing Day** to address the concerns of the general public regarding ear problems, safe ear practices and hearing rehabilitation.

We, as a department, look forward to moving ahead together and working in all these fields with continued commitment and dedication.



**Compiled list of Publications of the department****Pubmed Indexed**

1. Jangra A, Das N K, Sharma V, Timmaraju S, Khera P, Tiwari S, Soni K, Choudhury B, Ghatak S, Dixit S G, Nayyar A K, Goyal A. Comparison of depth of electrode insertion between cochleostomy and round window approach: A Cadaveric Study. *Eur Arch Otorhinolaryngol*. 2024. DOI: [10.1007/s00405-024-08466-7](https://doi.org/10.1007/s00405-024-08466-7).
2. Das N, Kombathula SH, Sharma V, Soni K, Pareek P, Goyal A. Long term prospective comparative analysis of ototoxic and survival outcomes of sequential boost and simultaneous integrated boost of volumetric modulated arc therapy for head-neck carcinomas. *Turk Arch Otorhinolaryngol*. Accepted for publication in January 2024.
3. Gupta P, Saxena S, Sharma V, Thirunavukkarasu B, Tiwari S, Goyal A. Neurosarcoidosis – A Diagnostic Challenge? *Ind J Otol Head Neck Surg*. 2023; 75: 2544-2547.
4. Das NK, Sharma V, Tiwari S, Goyal A. Inner Ear Malformation masquerading as CSF Rhinorrhea. *Iran J Otorhinolaryngol*. 2023; 35(129): 223–226.
5. Das N K, Sharma V, Goyal A. The Conundrum of Labyrinthitis Ossificans- An Etiology based Case Comparison and Review of Literature. *Turk Arch Otorhinolaryngol*. 2023. DOI: [10.4274/tao.2023.2023-4-11](https://doi.org/10.4274/tao.2023.2023-4-11).
6. Das N, Sharma V, Gupta D, Tiwari S, Elhence P, Jain V, Soni K, Goyal A. Predicting Intracranial Involvement: Unveiling Perineural Spread in COVID-19-Associated Mucormycosis; a Novel Phenomenon. Accepted for publication in *Med Mycol*, 2023.
7. Twishi S, Radhakrishnan A, Aggarwal A, Mehrotra S, Jain V, Kumar SA, Goyal A, Chugh A, Khichar S, Kumar D, Srinivasan S, Bhardwaj P, Aggarwal A, Misra S. Isolate profiling and geographical distribution of COVID-19 associated mucormycosis cases presenting to a tertiary care hospital in Jodhpur, India. *Ind J Med Microbiol*. 2023. DOI: [10.1016/j.ijmmb.2023.100424](https://doi.org/10.1016/j.ijmmb.2023.100424).
8. Wo FM, Gorelik D, Brenner MJ, Takashima M, Goyal A, Kita AE, Rose AS, Hong RS, Abuzeid WM, Maria PS, Al-Sayed AA, Dunham ME, Kadkade P, Schaffer SR, Johnson AW, Eshraghi AA, Samargandy S, Morrison RJ, Weissbrod PA, Mitchell MB, Rabbani CC, Futran N, Ahmed OG. New Medical Device and Therapeutic Approvals in Otolaryngology: State of the Art Review of 2022. 2024, *OTO Open*. DOI: [10.1002/oto2.105](https://doi.org/10.1002/oto2.105).
9. Das N K, Sharma V, Dixit P, Krishna S, Nalwa A, Soni K, Goyal A. The Colossal Mandibular Ameloblastoma: Surgical Challenges and Current Perspectives of Management. *J Maxillofac Oral Surg*. 2023;22(4):1166-1171.

**Non-Pubmed Indexed**

1. Das N K, Sharma V, Gupta D, Soni K, Katti M, Kaur M, Sharma A K, Kamal M, Sinha A, Goyal A. Troubleshooting of Unusual and Challenging Presentation in Pediatric Airway Emergency: A Case Series. *J Pediatr Pulmonol*. 2023; 2 (3): 98-103.

**Name of Faculty: Dr. Amit Goyal**

**Designation: Professor & Head of Department**

**Books/Chapters**

1. Mohan V, Sharma V, Soni K, Goyal A. Post-traumatic persistent Surgical site infection post-Cochlear Implantation. In: 100 Complications of Otorhinolaryngology & Skull Base Surgery, Narendrakumar V, Felix V, Mariappan V (editors), Thieme, 2023, pg 344-347.

**Papers Presented:**

1. Co-authored a paper on 'Endoscopic Craniofacial Resection' presented at the 9<sup>th</sup> Annual Conference of Indian Academy of Otorhinolaryngology Head Neck Surgery (IAOHNS) held at Jammu from 4<sup>th</sup>-6<sup>th</sup> August 2023

**Invited Lectures**

1. Keynote Lecture on Innovations in Health Sciences. 41st Annual Conference of the Neurotological & Equilibrimetric Society of India (NESCON 2023) at Jaipur from 3<sup>rd</sup>-5<sup>th</sup> November 2023.

**Symposium Speaker**

1. Avoiding Complications in FESS, Panelist, 16<sup>th</sup> Annual Uttarakhand State Association of ENT Surgeons' Conference (USAESCON)-2023 at AIIMS Rishikesh
2. Avoiding Complications in Middle Ear Surgery, Panelist, 16<sup>th</sup> Annual Uttarakhand State Association of ENT Surgeons' Conference (USAESCON)-2023 at AIIMS Rishikesh
3. Masterclass in Thyroid Cancer, Panelist, 55<sup>th</sup> Annual Conference of the Society of Nuclear Medicine India (SNMICON 2023) at AIIMS Jodhpur on 16<sup>th</sup>-19<sup>th</sup> November 2023

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. Prototype development and cadaver validation of modified tracheostomy tube (Intramural)
2. Clinical Investigational Plan for HCL SUNO/MedTech Cochlear Implant System Pivotal Clinical Study (Industry Sponsored Clinical Trial for Make in India Cochlear Implant). Industry sponsored clinical trial.

**10.As Co-Investigator**

1. ICMR funded multi-centric project on Surveillance of Congenital Rubella Syndrome
2. Diagnosis of Invasive Fungal Infections in COVID and post COVID patients using conventional and molecular methods (ICMR Funded)
3. Cochlear affection associated with Inflammatory Bowel Disease - A Cross-Sectional Study (intramural funded)

**Completed:**

**As Co-Investigator**

1. Isolate profiling and geographical distribution of cases of COVID-19 associated mucormycosis presenting to AIIMS Jodhpur

### Scientific Awards/Patents

1. Second Prize for *Top Original Research Publication for Thesis* (MS/MDS Thesis) on First Research Day of AIIMS Jodhpur
2. Appreciation Certificate for Published Book (MBBS ENT Manual) on First Research Day of AIIMS Jodhpur
3. Appreciation Certificate for several Book Chapters on First Research Day AIIMS Jodhpur
4. Appreciation Certificate for Patent awarded on First Annual Research Day of AIIMS Jodhpur

### Examinership

1. AIIMS Jodhpur
2. AIIMS Bhubaneswar
3. AIIMS Patna (May 23)
4. AIIMS Patna (Dec 23)
5. SMS Medical College, Jaipur
6. DNB Otorhinolaryngology (May 23)
7. DNB Otorhinolaryngology (Feb 24)
8. Bhaikaka University, Anand
9. Surgical Device Development Module (for students of MMT, PhD and Dual Degree course), AIIMS Jodhpur, 9th May 2023

### Membership/Post in Journal or Society or Association

1. Member of Medical Devices & Drugs Committee, The American Academy of Otolaryngology and Head-Neck Surgery
2. Member of Ethics Committee, The American Academy of Otolaryngology and Head-Neck Surgery
3. Member of Annual Program Management Committee, The American Academy of Otolaryngology and Head-Neck Surgery

### National/ International Conferences attended:

1. COPENHAGEN SKULL BASE COURSE 2023 - A hands-on course for all surgeons with an interest in skull base surgery, organized at Copenhagen, Denmark on 20th to 22nd September 2023.
2. 41<sup>st</sup> Annual Conference of the Neurootological & Equilibriometric Society of India (NESCON 2023) at Jaipur from 3<sup>rd</sup>-5<sup>th</sup> November 2023.
3. 55<sup>th</sup> Annual Conference of the Society of Nuclear Medicine India (SNMICON 2023) at AIIMS Jodhpur on 16<sup>th</sup>-19<sup>th</sup> November 2023.
4. 4<sup>th</sup> Live Surgical and Hands-On Cadaveric Dissection Course on Head and Neck Surgery, Rhinoplasty and Facial Plastics at AIIMS Jodhpur; August - September 2023
5. 16<sup>th</sup> Annual Uttarakhand State Association of ENT Surgeons' Conference (USAESCON) 2023 at AIIMS Rishikesh.

**Name of Faculty: Bikram Choudhury**

**Designation: Professor**

**Invited Lectures:**

1. Protocol for Preoperative Investigations in SRBD - India sleep 2023 – ISSR Sleep Conference, 30 September to 01 October 2023, AIIMS Kalyani

**Resource Faculty:**

1. India sleep 2023 – ISSR Sleep Conference, 30 September to 01 October 2023, AIIMS Kalyani

**Examinership:**

1. AIIMS, Kalyani – UG Examiner
2. AIIMS, Bhubaneswar – PG Examiner
3. SN Medical College – UG Examiner

**National/ International Conferences attended:**

1. ISSR Sleep Conference, 30 September to 01 October 2023, AIIMS Kalyani

**Name of Faculty: Dr. Kapil Soni**

**Designation: Additional Professor**

**Books/Chapters**

1. Mohan V, Sharma V, Soni K, Goyal A. Post-traumatic persistent Surgical site infection post-Cochlear Implantation. In: 100 Complications of Otorhinolaryngology & Skull Base Surgery, Narendrakumar V, Felix V, Mariappan V (editors), Thieme, 2023, pg 344-347.

**Paper Presented**

1. Co-authored a paper on 'Endoscopic Craniofacial Resection' presented at the 9<sup>th</sup> Annual Conference of Indian Academy of Otorhinolaryngology Head Neck Surgery (IAOHNS) held at Jammu from 4<sup>th</sup>-6<sup>th</sup> August 2023

**Invited lectures**

1. Invited lecture on Rhinoplasty and as a panelist in panel discussion on FESS in 16<sup>th</sup> Annual Uttarakhand State Association of ENT Surgeons' Conference USAESCON-2023 organized by Department of Otorhinolaryngology, Head and Neck Surgery, AIIMS Rishikesh from 14<sup>th</sup> – 16<sup>th</sup> April.
2. Invited lecture on "Comparison of nasal airflow preoperatively and postoperatively in patients undergoing functional septorhinoplasty: a prospective observational study" in European Academy of Facial Plastics Surgery meeting in Verona, Italy from 14<sup>th</sup> to 17<sup>th</sup> September 2023
3. Invited lecture on "Stapes: what's new" in NESCON 2023 from 3<sup>rd</sup> to 5<sup>th</sup> September 2023
4. Invited lecture on "Spreader graft in Rhinoplasty" in 8<sup>th</sup> Global Rhinoplasty Conference held on 12<sup>th</sup> & 13<sup>th</sup> January 2024 at Hotel Royal Orchid, Jaipur, Panel Discussion

- Delivered a talk on '*Rhinoplasty – Clinical Anatomy*' at the 4<sup>th</sup> Live Surgical and Hands-On Cadaveric Dissection Course on Head and Neck Surgery, Rhinoplasty and Facial Plastics, organised by Department of Otorhinolaryngology in collaboration with Department of Anatomy, AIIMS Jodhpur from 31<sup>st</sup> August to 3<sup>rd</sup> September 2023

#### **Resource faculty**

- Performed Live surgery demonstration during the 4<sup>th</sup> Live Surgical and Hands-On Cadaveric Dissection Course on Head and Neck Surgery, Rhinoplasty and Facial Plastics at AIIMS Jodhpur; August - September 2023
- Faculty for Instructional Course and invited talk in NESCON 2023 from 3<sup>rd</sup> to 5<sup>th</sup> September 2023

#### **Research Projects:**

##### **Ongoing:**

##### **As Principal Investigator:**

- Hearing loss in Dengue: A prospective case control study
- Histological analysis of upper lateral cartilage, lower lateral cartilage and the nasal septum and its relevance in nasal surgery.

##### **As Co-Investigator**

- Prototype development and cadaver validation of modified tracheostomy tube.
- Cochlear affection associated with Inflammatory Bowel Disease - A Cross-Sectional Study (intramural funded)

#### **Scientific Awards/Patents**

- Received **prize for Outstanding Research Paper Presentation** in European Academy of Facial Plastics Surgery meeting in Verona, Italy from 14<sup>th</sup> to 17<sup>th</sup> September 2023

#### **Examinership**

- MBBS and PG examiner at All India Institute of Medical Sciences, Jodhpur.
- Examiner for MBBS Supplementary Examination at SN Government Medical College & Hospital, Jodhpur.

#### **National/ International Conferences attended:**

- Course Director in 4<sup>th</sup> Live Surgical and Hands-On Cadaveric Dissection Course on Head and Neck Surgery, Rhinoplasty and Facial Plastics, organised by Department of Otorhinolaryngology in collaboration with Department of Anatomy, AIIMS Jodhpur; 31<sup>st</sup> August to 3<sup>rd</sup> September 2023
- 16<sup>th</sup> Annual Uttarakhand State Association of ENT Surgeons' Conference USAESCON-2023 organizing by Department of Otorhinolaryngology, Head and Neck Surgery, AIIMS Rishikesh from 14<sup>th</sup> – 16<sup>th</sup> April.
- European Academy of Facial Plastics Surgery meeting in Verona, Italy from 14<sup>th</sup> to 17<sup>th</sup> September 2023.
- 8<sup>th</sup> Global Rhinoplasty Conference held on 12<sup>th</sup> & 13<sup>th</sup> January 2024 at Hotel Royal Orchid, Jaipur

5. 70th Annual National Conference of the Indian Society of Anaesthesiologists, ISACON 2023 held from 22<sup>nd</sup> to 26<sup>th</sup> November 2023 at Le Méridien, Gurugram, Haryana (Panelist: Multi- Disciplinary perioperative care: Walking the talk)
6. 41<sup>st</sup> National Conference of Neuro-Otological & Equilibriometric Society of India (NESCON 2023) held at Jaipur from 3<sup>rd</sup>-5<sup>th</sup> November 2023

**Name of Faculty: Dr. Vidhu Sharma**

**Designation: Assistant Professor**

#### **Books/Chapters**

1. Mohan V, Sharma V, Soni K, Goyal A. Post-traumatic persistent Surgical site infection post-Cochlear Implantation. In: 100 Complications of Otorhinolaryngology & Skull Base Surgery, Narendrakumar V, Felix V, Mariappan V (editors), Thieme, 2023, pg 344-347.

#### **Paper Presented**

1. Co-authored a paper on 'Endoscopic Craniofacial Resection' presented at the 9<sup>th</sup> Annual Conference of Indian Academy of Otorhinolaryngology Head Neck Surgery (IAOHNS) held at Jammu from 4<sup>th</sup>-6<sup>th</sup> August 2023

#### **Invited lectures**

1. Delivered a talk on '*Work up for Cochlear Implantation*' at the 41<sup>st</sup> National Conference of Neuro-Otological & Equilibriometric Society of India (NESCON 2023) held at Jaipur from 3<sup>rd</sup>-5<sup>th</sup> November 2023
2. Delivered a talk on '*Rhinoplasty – Pre-operative Assessment*' at the 4<sup>th</sup> Live Surgical and Hands-On Cadaveric Dissection Course on Head and Neck Surgery, Rhinoplasty and Facial Plastics, organised by Department of Otorhinolaryngology in collaboration with Department of Anatomy, AIIMS Jodhpur from 31<sup>st</sup> August to 3<sup>rd</sup> September 2023
3. Delivered a talk on '*Swallowing*' in Coma Stimulation and Bedside Swallowing Assessment Workshop during IAPMR National Mid-Term CME 2023 organised by Department of Physical and Medical Rehabilitation AIIMS Jodhpur on 14<sup>th</sup> – 17<sup>th</sup> September 2023

#### **Resource faculty**

1. Performed Live surgery demonstration during the 4<sup>th</sup> Live Surgical and Hands-On Cadaveric Dissection Course on Head and Neck Surgery, Rhinoplasty and Facial Plastics at AIIMS Jodhpur; August - September 2023

#### **Research Projects:**

##### **Ongoing**

##### **As Principal Investigator:**

1. Cochlear affection associated with Inflammatory Bowel Disease - A Cross-Sectional Study (intramural funded)

##### **As Co-Investigator:**

1. Prototype development and cadaver validation of modified tracheostomy tube.

### **Scientific Awards/Patents**

1. Received Certificate of Appreciation for research contribution for authoring book chapters on the occasion of the First Research Day of All India Institute of Medical Sciences, Jodhpur held on 13<sup>th</sup> January 2024

### **Examinership**

1. Surgical Device Development Module (for students of MMT, PhD and Dual Degree course), AIIMS Jodhpur, 9th May 2023.
2. Examiner for MBBS Supplementary Examination at Government Medical College & Bangur hospital, Pali (RUHS); June 2023

### **National/ International Conferences attended:**

1. Course Director (Head & Neck Surgery), of the 4<sup>th</sup> Live Surgical and Hands-On Cadaveric Dissection Course on Head and Neck Surgery, Rhinoplasty and Facial Plastics, organised by Department of Otorhinolaryngology in collaboration with Department of Anatomy, AIIMS Jodhpur; 31<sup>st</sup> August to 3<sup>rd</sup> September 2023
2. Coma Stimulation and Bedside Swallowing Assessment Workshop during IAPMR National Mid-Term CME 2023 organised by Department of Physical and Medical Rehabilitation AIIMS Jodhpur on 14<sup>th</sup> – 17<sup>th</sup> September 2023
3. 41<sup>st</sup> National Conference of Neuro-Otological & Equilibriometric Society of India (NESCON 2023) held at Jaipur from 3<sup>rd</sup>-5<sup>th</sup> November 2023 and presented an invited talk

**Name of Faculty: Dr. Rashmi Hansdah**

**Designation: Assistant Professor**

### **National/ International Conferences attended:**

1. Attended webinar on “Management of complications in endoscopic sinus surgery – a practical guide” on 7th November 2023
2. Attended course on Research Methodology for Medical Professionals at National Institute of Health and Family Welfare, New Delhi from 21<sup>st</sup> to 25<sup>th</sup> November 2023
3. Attended webinar on “Cochrane Library Systematic Reviews” conducted by AIIMS Jodhpur Library on Feb 15<sup>th</sup> February 2024.
4. Attended webinar on Use of Ovid for Systematic Reviews/Meta-analysis conducted by AIIMS Jodhpur Library on 21<sup>st</sup> March 2024.

### **Workshops/ Conferences Organized by the Department**

1. The 4<sup>th</sup> Live Surgical and Hands-On Cadaveric Dissection Course on Head and Neck Surgery, Rhinoplasty and Facial Plastics  
The 4<sup>th</sup> Live Surgical and Hands-On Cadaveric Dissection Course on Head and Neck Surgery, Rhinoplasty and Facial Plastics was organized by Department of Otorhinolaryngology in collaboration with Department of Anatomy, AIIMS Jodhpur from 31<sup>st</sup> August to 3<sup>rd</sup> September 2023. The four-day

long academic event was attended by around 40 trainees, who were guided by elite national and international faculty, including the faculty from the Department.



Delegates performing various head and neck surgical procedures during hands-on cadaveric dissection session, during the 4<sup>th</sup> Live Surgical and Hands-On Cadaveric Dissection Course on Head and Neck Surgery, Rhinoplasty and Facial Plastics





Delegates and resource faculty during the 4<sup>th</sup> Live Surgical and Hands-On Cadaveric Dissection Course on Head and Neck Surgery, Rhinoplasty and Facial Plastics

## 2. Implan 2023

The Department of Otorhinolaryngology conducted the second edition of a socio-cultural program for Cochlear Implantees- IMPLAN 2023 on the 14<sup>th</sup> of October 2023 which was attended by more than 100 cochlear implanted children and their parents and the parents of the children who are yet to undergo Cochlear Implantation surgery.

A Social Outreach Activity, IMPLAN was organized to celebrate the unwavering spirit of the implanted kids and the vigilance and determination of their parents. Through various performances, including dancing, singing, recitation, rhymes in both Hindi and English, these children get a platform to showcase their talents and interests and also become a beacon of hope and motivation for the children and parents of those who are yet to undergo the surgery, to spread the message of importance of early identification of hearing loss, timely auditory rehabilitation and adequate and regular Auditory Verbal therapy following cochlear implantation for better speech outcomes.

The program began with an *awareness march* in the AIIMS Campus by the children which was flagged by Prof Kuldeep Singh, Dean Academics AIIMS Jodhpur. The program was graced by the presence of Mrs. Sushila Bohra, who is an eminent social worker and has worked immensely to better the lives of the differently abled individuals and by Mr. Sohanlal Jaisalmeriya and Mr. Dinesh Kumar Gaur from Jodhpur Deaf-enable Samitee. A few highlights of the performances were the recitation of “agar mere pankh hote” by Roohi Mirda, a song by Pradeep and dance performance by Harshita Kumawat. The children also got a chance to participate in a drawing competition.

There was a skit performance by the Resident doctors of ENT department on the theme **“Early detection and Early intervention”** of congenital and perilingual hearing loss. The department organized a poster making competition and art competition for undergraduate students. Mr. Swapnadip bagged the first position, followed by Ms. Arya and Mr. Ashwini who stood second, the third prize was won by Ms. Rucha.



Awareness March in AIIMS campus with our cochlear implantees and their families



Digital art by undergraduate students of AIIMS Jodhpur as part of the poster making and art competition

### 3. World Hearing Day

World Hearing Day is an annual event celebrated on 3<sup>rd</sup> March, aimed at raising awareness about hearing loss and promoting ear and hearing care worldwide. This day is celebrated by the World Health Organization (WHO) to draw attention to the increasing prevalence of hearing loss and the need for early identification, intervention, and prevention.

The theme for World Hearing Day 2024 was "Changing Mindsets - Let's make ear and hearing care a reality for all!" This theme emphasized the value of including ear and hearing care in primary healthcare as a critical component of universal health coverage.

On the occasion, Dr. Amit Goyal gave a radio talk on Akashvani, Jodhpur, focusing on ear care, the importance of early detection and rehabilitation of hearing impairment and interacted with the listeners and answered their queries pertaining to ear and hearing problems.



A radio talk was given by Dr. Amit Goyal on World Hearing Day 2024 followed by an interactive Q&A session with the listeners

#### Any other information

##### 1. First Bone Bridge implant in western Rajasthan successfully done at All India Institute of Medical Sciences, Jodhpur

A new milestone was attained by the department when the first Bone Bridge implantation was successfully performed, to rehabilitate a young patient born with ear deformity.

A nineteen-year-old girl hailing from Jodhpur was diagnosed to have bilateral microtia with canal atresia. This is a birth defect involving the ear, in which parts of external, middle, or inner ear are ill-defined, leading to cosmetic deformity, hearing impairment and lack of self-confidence in the society. The patient was under our care since the age of 13 years and had undergone bilateral pinna reconstruction successfully since 2017, in four stages in the Department of Otorhinolaryngology, AIIMS Jodhpur. Bone Bridge implantation was done for hearing rehabilitation. Such implants usually cost 6 Lakhs; however, the surgery was done at AIIMS Jodhpur at minimum expenditure. It is a first of its kind of implantation in Western Rajasthan and second in the state and was done under the mentorship of Dr. Rajesh Vishwakarma by Dr. Amit Goyal and Dr. Kapil Soni.





जोधपुर 29-04-2023

**भास्कर एक्सप्रेस** • एम्स में चमत्कार - प. राजस्थान में ऐसी पहली सर्जरी का दावा, 6 साल में 4 ऑपरेशन

## बच्ची के कान नहीं थे... पसलियों से पार्ट निकाल फिर से कान बनाए, सुनने की शक्ति 100 फीसदी लौट आई

महावीर प्रसाद शर्मा | जोधपुर

बोन ब्रिज इम्प्लांट भी लगाया ताकि सिर की हड्डी से निकली तरंगों से मरीज सुन सके

एम्स इंग्लैंड विभाग ने 19 साल की युवती के दोनों कान बनाने और बोन ब्रिज इम्प्लांट कर सुनने की शक्ति देने का कारनामा किया है। यह युवती 6 साल पहले एम्स आई थी। उसके कान का बाहरी व अंदरूनी हिस्सा पूर्ण विकसित नहीं था। इससे लड़की के सुनने की क्षमता केवल 40% थी। बोलने की क्षमता भी कम थी।

विभागाध्यक्ष डॉ. अमित गोयल ने बताया कि डॉ. कपिल सोनी ने मरीज के दोनों साइड के कान का नया स्ट्रक्चर बनाया, जिसमें तीन साल लगे। इसके बाद बोन ब्रिज इम्प्लांट लगाकर सुनने की शक्ति भी दी। पूरे 6 साल और 4 सर्जरी के बाद लड़की अब साफ सुन पा रही है। पश्चिमी राजस्थान का ऐसा पहला ऑपरेशन अहमदाबाद अगोलो से आए डॉ. राजेश विश्वकर्मा के नेतृत्व में किया गया।



डॉ. सोनी ने बताया कि लड़की के बाहरी कान का पूरा आकार बनाया। सुनने की शक्ति के लिए बोन ब्रिज इम्प्लांट किया। निजी अस्पतालों में ऐसे ऑपरेशन में करीब 6 लाख रु. खर्च होते हैं। हमने प्रधानमंत्री कोष से विशेष अनुमति लेकर यह ऑपरेशन किया। इम्प्लांट लगाने का ऑपरेशन अहमदाबाद के डॉ. राजेश विश्वकर्मा, डॉ. अमित

डॉ. अमित गोयल ने बताया कि बोन ब्रिज इम्प्लांट ऐसे मरीज में करते हैं, जिनके बाहरी कान सामान्य रूप से नहीं बने होते। इसकी वजह से मरीज को सुनाई नहीं देता। यह छोटे बच्चों में लगाए कॉकलियर इम्प्लांट से अलग है, जिसमें मशीन को कान के अंदरूनी हिस्से में लगाते हैं। जबकि बोन ब्रिज इम्प्लांट में मशीन को सिर के पिछले भाग की हड्डी में लगाया जाता है। इम्प्लांट सिर की हड्डी के माध्यम से दिमाग में तरंगें प्रवाहित करता है, जिससे मरीज को सुनाई देता है।

गोयल व डॉ. कपिल सोनी ने किया। डॉ. सोनी ने बताया कि पहले चरण में छाती की छठी, सातवीं आठवीं नरम पसलियों को निकाला। फिर पसलियों कान के आकार में बनाया व अविकसित कान की जगह लगाया। इसके 6 माह बाद दूसरा चरण और उसके बाद हर 6 माह में सर्जरी कर करीब 3 साल में कान की प्राथमिक संरचना को अंतिम आकार दिया।

Media coverage of the First Bone Bridge implant in western Rajasthan successfully done at AIIMS  
Jodhpur

## Department of Pathology and Laboratory Medicine

S.No.	Name	Designation
1	Dr. Poonam Elhence	Professor & Head
2	Dr. Abhishek Purohit	Additional Professor
3	Dr. Aasma Nalwa	Additional Professor
4	Dr. Meenakshi Rao	Additional Professor
5	Dr. Sudeep Khara	Additional Professor
6	Dr. Deepak Vedant	Associate Professor
7	Dr. Vikarn Vishwajeet	Associate Professor
8	Dr. Divya Aggarwal	Assistant Professor
9	Dr. Vikrant Verma	Assistant Professor

### About the Department:

The Department of Pathology and Lab Medicine is not only providing standard diagnostic services sent also providing the best possible training to the postgraduate and undergraduate students, as well as contributing to the field of research. The Department has fully operational Histopathology, Cytopathology, Clinical Pathology, and Hematology services. Currently, the Department has a strength of nine faculty members, 17 post-graduate students, 12 senior residents, 1 Fellow for Cytopathology post-doctoral fellowship, 2 Fellows for Haematopathology post-doctoral fellowship, 2 Fellows for Oncopathology post-doctoral fellowship, and 1 Fellow for Renal pathology post-doctoral fellowship.

The Department is assisted by permanent and contractual Technical Staff and Ancillary staff including Attendants, Data Entry Operators and Lower Division Clerks.

Grossing stations, Cryostat microtome, Automated Tissue processors, Fully automated and semi-automated microtomes, Embedding stations, Automated slide stainer and cover slipper, Biosafety cabinet, cytospin centrifuges, LBC Surepath, HPV typing by Hybrid capture, Automated urine analyzer, Semi-automated semen analyzer, Automated Haematology cell counters, Coagulation analyzers, Hb-HPLC, Flow Cytometer, Gel electrophoresis system, ESR analyzer, Hybridizer, Provision for FISH, RT-PCR are available. Multi header microscopes (Decaheader and Pentaheader), Faculty microscopes with camera attachment, Upright Fluorescence microscope are available for training of Residents (including MDTs), for research work and routine and specialty reporting.

The following tests were carried out by the Department of Pathology from 1<sup>st</sup> April 2023 to 31<sup>st</sup> March 2024:

257000 Complete blood counts, 28700 Blood film morphology, 38700 ESR, 64600 Prothrombin time, 26800 Activated partial thromboplastin time, 4380 Fibrinogen, 686 Bone marrow examination, 7160 Reticulocyte count, 1370 Haemoglobin High performance liquid chromatography, 290 Factor VIII and 251 Factor IX assays, 305 APCR, 522 Anti-thrombin, 500 Protein C, 495 Protein S, 910 Lupus anticoagulant 1, 2785 D-Dimer, 524 Anticardiolipin antibody, 639 Anti Beta 2 Glycoprotein, 182 Human Erythropoietin, 627 Serum protein electrophoresis, 170 flowcytometry, 2086 Fine needle aspiration cytology, 6981 Fluid cytology, 2434 Cervical pap smears, 2990 Cytology cell blocks, 82 Review cytology cases, 3280 Special stains (cytopathology), 46349 Urine microscopy, 427 Semen analysis, 91696

histopathology blocks, 538 Frozen section cases, 685 Review histopathology cases, 28558 Special stains (histopathology), 22763 Immunohistochemistry, 259 Direct immunofluorescence skin, 247 Direct immunofluorescence renal, 15 muscle biopsies, 19 Fetal autopsy and 53 Forensic autopsy cases.

The Department offers a large number of special stains (> 40), histochemical stains for muscle biopsies and more than 120 antibodies for immunohistochemistry. IF is done routinely for skin and renal biopsies.

ROSE services (for Bronchoscopy), for GI Path & Guided FNA are provided regularly.

The Department regularly participates in Quality Assurance programs (Cytopathology from PGIMER, Chandigarh, Histopathology from TMH Mumbai under NCG and for few predictive marker IHC and RT-PCR with NIOP, Delhi).

The Department has standardiz Fluorescence in situ hybridization and RT-PCR for breast and lung cancer and myeloproliferative neoplasms.

Along with the routine departmental reporting duties, faculty is actively involved in teaching of the postgraduate and undergraduate students, and interdepartmental super-specialty teaching of MCh. and DM students. Regular seminars, Journal Clubs, slide tests, grossing seminars, and microscopy sessions for post-graduate student are held.

#### **Compiled list of Publications of the Department:**

1. Jabbar SA, Selvakumar B, Soni SC, Taywade S, Elhence P. Synchronous Squamous Cell Carcinoma of Rectum and Anal Canal Detected by FDG PET/CT-A Rare Entity. Clin Nucl Med. 2023 Jun 1;48(6):e297-e299.
2. Gadwal, A., Purohit, P., Khokhar, M. Vishnoi, JR, Pareek P, Choudhary R, Elhence P, Banerjee M & Sharma P. In silico analysis of differentially expressed-aberrantly methylated genes in breast cancer for prognostic and therapeutic targets. Clin Exp Med 23, 3847–3866 (2023).
3. Ukey S, Jain A, Dwivedi S, Vishnoi JR, Chugh A, Purohit P, Pareek P, Elhence P, Misra S, Sharma P. Global and promoter specific hypermethylation of tumor suppressor genes P16, SOCS1, and SHP1 in oral squamous cell carcinoma and oral submucous fibrosis. J Cancer Res Ther. 2023 Jan 1;19(Suppl 2):S551-S559.
4. Ansari F, Agrawal A, Bains A, Elhence P. Unilateral erythematous nodule over eyelid. Indian J Dermatol Venereol Leprol. 2023 Nov-Dec;89(6):928.
5. Pipal VR, Singh P, Pipal DK, Elhence P. Skin Metastases in Ovarian Malignancy: A Case Report with Literature Review. J Midlife Health. 2023 Jan-Mar;14(1):49-52.
6. Shrivastava N, Jena R, Choudhary GR, Bhargava P, Vishwajeet V, Elhence P, Singh M, Bhirud DP, Sandhu AS. Correlation between androgen and estrogen receptor expression and clinicopathologic features in carcinoma urinary bladder. J Cancer Res Clin Oncol. 2023 Nov;149(17):15795-15804.
7. Rajendran M, Rao M, Elhence PA, Bharti JN, Singh P, Yadav G, Nalwa A, Goyal AD. Expression of Programmed Cell Death Ligand-1 and Mismatch Repair Status in Endometrial Carcinomas. J Midlife Health. 2023 Apr-Jun;14(2):81-86.
8. Soni S, Devnani B, Elhence P, Soni K, Vedant D, Gupta P, Pareek P, Vyas RK. A Case Report and Review of Literature: Epithelioid Hemangioendothelioma—An Uncommon Challenging Case. Indian Journal of Medical and Paediatric Oncology September 2023.
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10. Mathew D, Jadav D, Munisankar P, Meshram VP, Kumawat R, Elhence P. An unusual case of high-voltage electrocution of a truck driver due to inadvertent contact of the truck with an overhead wire. *J Forensic Sci.* 2024 Mar;69(2):698-701.
11. Baskaran S, Lodha M, Kumar RR, Elhence P. Spontaneous rupture of solid pseudopapillary epithelial neoplasm of pancreas with intraperitoneal haemorrhage. *BMJ Case Rep.* 2023 Dec 11;16(12):e257398.
12. Nidhin Das K, Sharma V, Gupta D, Tiwari S, Elhence P, Jain V, Soni K, Goyal A. Predicting intracranial involvement: Unveiling perineural spread in COVID-19-associated mucormycosis, a novel phenomenon. *Med Mycol.* 2024 Jan 9;62(1):myad135.
13. Ghuman NK, Shukla KK, Nandagopal S, Raikar S, Kumar S, Kathuria P, Choudhary D, Elhence P, Singh P. Explaining the Unexplained: Examining the Predictive Value of Semen Parameters, Sperm DNA Fragmentation and Metal Levels in Unexplained Infertility. *J Hum Reprod Sci.* 2023 Oct-Dec;16(4):317-323.
14. Soudamini AB, Nalwa A, Choudhary GR, Bharti JN, Rao M, Elhence PA, Pandey H, Goel AD. Human epidermal growth factor receptor 2/neu expression in urothelial carcinomas. *Indian J Urol.* 2024 Jan-Mar;40(1):44-48.
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16. Sharma R, Elhence PA, Vedant D, Ruparelia J, Bhaskar S, Tiwari S. Clear Cell Meningioma with Tyrosine Crystals: a Case Report with Review of Literature. *Gulf J Oncolog.* 2024 Jan;1(44):103-106. PMID: 38205578.
17. Kumar S, Batra A, Budania A, Sharma D, Elhence PA. 'Generalised Pruritus with Prurigo-Like Lesions and Generalised Lymphadenopathy: Could be an Early Diagnostic Clue for Angioimmunoblastic T-Cell Lymphoma (AITL) and/or Histoplasmosis'. *Indian J Dermatol.* 2023 Nov-Dec;68(6):726.
18. Anju, G., Rao, M., Elhence, P.A. et al. Expression of Programmed Death Ligand 1 [PD-L1] and Mismatch Repair Status in Squamous Cell Carcinomas of Cervix. *J Obstet Gynecol India* (2024).
19. Rani S, Banerjee N, Aggarwal D, Elhence PA. Epithelial myoepithelial carcinoma of the parotid gland with high-grade transformation. *BMJ Case Rep.* 2024 Jan 23;17(1):e259364.
20. Nandagopal S, Choudhary G, Sankanagoudar S, Banerjee M, Elhence P, Jena R, Selvi MK, Shukla KK. Expression of stem cell markers as predictors of therapeutic response in metastatic prostate cancer patients. *Urol Oncol.* 2024 Mar;42(3):68.e21-68.e31.
21. Vishwajeet V, Nalwa A, Jangid MK, Choudhary GR, Khera P, Bajpai N, Elhence PA. Renal Allograft Malakoplakia Presenting as a Pseudotumoral Lesion. *Saudi J Kidney Dis Transpl.* 2023 Jul 1;34(4):371-377.
22. Bhat K, Madhudiya R, Elhence PA, Singh S. Waxy papules, infiltrated alopecic plaques, and shin ichthyosis. *Int J Dermatol.* 2024 Mar 19.
23. Yadav SK, Jamal A, Kantiwal P, Elhence A, Elhence P, Thirunavukkarasu B, Saxena S. Multifocal lower limb hemangioendothelioma in a young female: a case report and review of the literature. *Int J Clin Exp Pathol* 2024;17(3):83-89.
24. Satiza M, Purohit AH. Approach to Diagnosis of BCR::ABL1-Negative Myeloproliferative Neoplasms. *Indian Journal of Medical and Paediatric Oncology.* 2023 Dec;44(06):585-91.

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35. Sharma R, Rao M, Kanchan T, Pradhan S, Khara S. Incidental Subventricular Ependymal Cell Rests: A Rare Case Report. *Am J Forensic Med Pathol*. 2023 Dec 1;44(4):e120-e122.
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- vivax Malaria Presenting as TMA and Acute Cortical Necrosis: A Case Series. *Indian J Nephrol.* 2024;34:165–8.
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  44. Das KN, Sharma V, Dixit PK, Krishna S, Nalwa A, Soni K, Goyal A. The Colossal Mandibular Ameloblastoma: Surgical Challenges and Current Perspectives of Management. *Journal of Maxillofacial and Oral Surgery.* 2023 Dec;22(4):1166-71.
  45. Kantiwal P, Yadav SK, Nalwa A, et al. Primary Ewing's sarcoma of the talus. *BMJ Case Reports CP* 2023;16:e258243.
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  47. Nalwa A, Nakra T, Yadav R, Walia R, Agarwala S, Jana M, Jain D, Das P, Mathur SR, Iyer VK. Cytomorphology of paediatric hepatocellular carcinoma: A useful diagnostic adjunct. *Cytopathology.* 2023 Jun 26.
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  51. Sharma R, Khera S, Devnani B, Binit S. (2024). Primary soft tissue sarcoma breast with multiphenotypic differentiation. *BMJ Case Reports.* 17.e255750. 10.1136/bcr-2023-255750.
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  53. Agarwal L, Varshney V, Jabbar S, Kumar S, Yadav B, Taruna, Khera, S. (2023). Thoracoscopy-Assisted Esophagectomy for Esophageal Leiomyomatosis. *Journal of Gastrointestinal Cancer.* 10.1007/s12029-023-00974-9.
  54. Sarangi S, Khera S, Yadav T, Lodha M. (2023). Apocrine adenocarcinoma of the breast: A rare special subtype with divergent theranostic markers. *Journal of Cancer Research and Therapeutics.* 10.4103/jcrt.JCRT\_1077\_21.
  55. Agrawal N, Khera S, Rajpurohit T, Shakrawal J, Asodariya, Ronak, Tandon M, Bhatnagar K. (2023). A rare case of isolated congenital corneal dermoid: Literature review and histopathologic correlation. *Indian Journal of Ophthalmology - Case Reports.* 3. 649-650. 10.4103/IJO.IJO\_244\_23.
  56. Yadav SK, Choudhary AK, Kantiwal P, Rajnish RK, Gupta S, Elhence A, Kumar S, Vedant D. A rare presentation of recurrent chondroblastoma of scapula, acromion and lateral end of clavicle. *Am J Transl Res.* 2023 Oct 15;15(10):6242-6246.
  57. Agrawal A, Rajagopal VS, Bhardwaj A, Vedant D. An unusual presentation of leukemic vasculitis, a lesser-known entity. *Int J Dermatol.* 2023 Oct;62(10):e548-e550.
  58. Datta D, Pandey RR, Kumar R, Sharma R, Vedant D. F-18 FDG PET/CT in staging and response assessment of primary cutaneous diffuse large B-cell lymphoma (leg type). *Eur J Hybrid Imaging.* 2023 Aug 22;7(1):15.
  59. Agrawal A, Kaur M, Bhardwaj A, Vedant D. Plasma cell vulvitis: A rare vulvar dermatoses. *Indian J Dermatol Venereol Leprol.* 2023 Jul 14:1-2.

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76. Sahu S, Datta D, Verma V, Kumar R. Progressive bilateral visual loss diagnosed as adenocarcinoma lung. *J Clin Images Med Case Rep.* 2024; 5(4): 2967.

### Workshops/ Conferences Organized

1. State round of National Haematology Quiz 2023 at AIIMS, Jodhpur

2. International Lab Professionals week (24th– 29th April 2023) All India Institute of Medical Sciences Jodhpur. (Organized together with Department of Biochemistry, Department of Microbiology, Department of Transfusion Medicine and Blood Bank).
3. Direct immunofluorescence workshop at AIIMS, Jodhpur on 3rd November 2023.
4. Sixth Haematology Update at AIIMS, Jodhpur (February 10<sup>th</sup> and 11<sup>th</sup>, 2024)
5. 17<sup>th</sup> Annual National Conference and International CME of Indian Society of Renal and Transplantation Pathology (ISRTP), 22-25<sup>th</sup> February 2024.
6. One day NABL awareness program, organized by Dept. of Pathology & Lab Medicine on 24<sup>th</sup> November 2023.
7. Liquid Based Cytology Awareness Meet, AIIMS, Jodhpur, 27<sup>th</sup> February, 2024

**Name of Faculty: Dr. Poonam Elhence**

**Designation: Professor & Head**

**Papers Presented:**

1. Aashita Agarwal, Divya Aggarwal, Poonam Abhay Elhence, Vikrant Verma, Meenakshi Rao, Deepak Vedant, Dharma Ram Poonia, Sarbesh Tiwari. Fear of missing out: papillary microcarcinoma thyroid. 71<sup>st</sup> annual conference of the IAPM & annual conference of the IAP-D, 6<sup>th</sup> to 10<sup>th</sup> December, 2023, AIIMS, New Delhi.
2. Vikarn Vishwajeet, Poonam Elhence, Meenakshi Rao, Aasma Nalwa, Sudeep Khera, Deepak Vedant, Amit Goyal. Department of Pathology and Lab Medicine and ENT-Otorhinolaryngology, AIIMS Jodhpur. Spectrum of fungal rhinosinusitis: a clinicopathological study from Western India. Oral Presentation in APCON 2023, AIIMS New Delhi
3. Divya Aggarwal, Poonam Elhence, Vikarn Vishwajeet, Savita Singla, Mohit Agrawal, Sarbesh Tiwari. Collision of rarities: a case report of coexisting astrocytoma and meningeal SMARCB1-deficient tumor- Poster presentation at Asian Society of Neuro-oncology meeting, 25-29 October 2023, Bali, Indonesia.
4. Aashita Agarwal, Divya Aggarwal, Poonam Abhay Elhence, Vikrant Verma, Meenakshi Rao, Deepak Vedant, Dharma Ram Poonia, Vidhu Sharma, Sarbesh Tiwari. Oral presentation titled- Fear of missing out: papillary microcarcinoma thyroid- 71<sup>st</sup> APCON, 6-10th December, 2023, AIIMS, New Delhi.
5. Yeswanth Appajodu, Divya Aggarwal, Poonam Abhay Elhence, Vikrant Verma, Aasma Nalwa, Abhishek Purohit, Manika Malik, Durga Shankar. Poster presentation titled- Crimson Chronicles: Unmasking the enigma of Amyloid Myopathy- Rajpathcon, 25-26 November 2023- Jodhpur.
6. Rohit Singh Jaggi, Vikarn Vishwajeet, Divya Aggarwal, Poonam Abhay Elhence, Vikrant Verma, Deepak Vedant, Sangeeta Pradhan, Apurva Arora, Jeevan Ram Vishnoi, Jenny Thomas. Poster presentation titled- Sarcomatoid Diffuse Large B cell lymphoma: A diagnostic challenge- Rajpathcon, 25-26 November 2023- Jodhpur.
7. Apurva Arora, Divya Aggarwal, Suman Patra, Poonam Elhence, Vikrant Verma, Vikarn Vishwajeet, Deepak Vedant, Gaurav Phogat. Oral presentation titled- Histologic patterns in secondary syphilis- 26th Annual Conference of Dermatopathology Society of India, 17th- 19th November, 2023, Kolkata
8. Aanchal Mahajan, Divya Aggarwal, Sudeep Khera, Vikrant Verma, Poonam Elhence, Ashna Kumar, Lokesh Saini, Sarbesh Tiwari, Vibhor Tak, Vikas Janu. Oral presentation titled- Role of

multidisciplinary approach in CNS infections: a case report- First CME on International Lab Professionals Week, April 24-29, 2023, AIIMS, Jodhpur.

9. Aashita Agarwal, Divya Aggarwal, Sudeep Khera, Poonam Elhence, Vikas Janu, Sucharita Anand, Lokesh Saini, Sarbesh Tiwari. Oral presentation titled- Perils of presumptive diagnosis: a tale of two cases- First CME on International Lab Professionals Week, April 24-29, 2023, AIIMS, Jodhpur.
10. Dr. Anju G , Dr. Vikrant Verma, Dr. Poonam Elhence, Dr. Divya Aggarwal, Dr. Aditya Baksi . Mixed Corticomedullary Tumor Of Adrenal Gland: A Rare Case Report. First CME on International Lab Professionals Week, April 24-29, 2023, AIIMS, Jodhpur.
11. Sangeeta Pradhan, Vikrant Verma, Poonam Elhence, Aasma Nalwa, Divya Aggarwal, Dharma Ram Poonia, Pramod Kumar. Gastric adenocarcinoma with primitive enterocyte phenotype: Case report of a rarely recognized aggressive tumor. Rajpathcon, 25-26 November 2023, Jodhpur.
12. Sangeeta Pradhan, Vikrant Verma , Poonam Elhence , Divya Aggarwal, Vikarn Vishwajeet, Deepak Vedant, Abhishek Bhardwaj. Cutaneous metastases of internal malignancies: cases series from a tertiary care Institute. 26th Annual Conference of Dermatopathology Society of India, 17th- 19th November, 2023, Kolkata.

#### **Sessions Chaired:**

1. Mid-Term PHO CME AIIMS, Jodhpur, 23<sup>rd</sup> July, 2023.
2. 53<sup>rd</sup> Annual Conference of the Indian Academy of Cytologists, CYTOCON 2023, Cancer Hospital & Research Institute, Gwalior, MP, 26<sup>th</sup> to 30<sup>th</sup> October, 2023.
3. 71<sup>st</sup> Annual Conference of IAPM & IAP-IDON, (APCON 2023) as speaker, AIIMS, New Delhi. 6<sup>th</sup> to 9<sup>th</sup> December, 2023.
4. 2<sup>nd</sup> Joint Annual meeting of International Society of Heart Research (Indian Section) Cardiac Conference AIIMS Jodhpur, 17<sup>th</sup> February, 2024.
5. International Lab Professionals week, AIIMS, Jodhpur.

#### **Invited Lectures**

1. 71<sup>st</sup> Annual Conference of IAPM & IAP-IDON, (APCON 2023) as speaker, AIIMS, New Delhi. 6<sup>th</sup> to 9<sup>th</sup> December, 2023.
2. RAJPATHCON 2023. State conference on November 25<sup>th</sup>, 26<sup>th</sup> in Jodhpur organized by Rajasthan state chapter of Indian Society of Pathology and Microbiology.

#### **Symposium Speaker**

1. 71<sup>st</sup> Annual Conference of IAPM & IAP-IDON, (APCON 2023) as speaker, AIIMS, New Delhi. 6<sup>th</sup> to 9<sup>th</sup> December, 2023.

#### **Resource Faculty:**

1. NCD Training by SIHFW, Jaipur, 28th July, 2023.
2. 53<sup>rd</sup> Annual Conference of the Indian Academy of Cytologists, CYTOCON 2023, Cancer Hospital & Research Institute, Gwalior, MP, 26<sup>th</sup> to 30<sup>th</sup> October, 2023.
3. 71<sup>st</sup> Annual Conference of IAPM & IAP-IDON, (APCON 2023), AIIMS, New Delhi. 6<sup>th</sup> to 9<sup>th</sup> December, 2023.
4. Updates in the Management of Waldenstrom's macroglobulinemia, SNMC, Jodhpur, 29<sup>th</sup>-30<sup>th</sup> March, Jodhpur.

5. AIIMS-Oncology Conclave on the Occasion of the 5<sup>th</sup> Foundation Day, National Cancer Institute, AIIMS Jhajjar, 10<sup>th</sup> February, 2024. Data review meeting of DIAMOnDS Project at NCDIR, Bengaluru, 4<sup>th</sup> March, 2024.
6. International Lab Professionals week, AIIMS, Jodhpur

#### **Research Project:**

##### **Ongoing: Extramural**

##### **As Principal Investigator**

1. **DIAMOnDS**, DHR-ICMR.

##### **As Co-Investigator**

1. Extramural (ICMR), PI- Dr. Gautam Ram Choudhary.
2. Intramural "Study of histone regulatory markers EZH2 and H3K27me3 in mature B-cell Non-Hodgkin lymphomas and correlation with Ki67 and double/triple expressor status in Diffuse large B cell lymphomas". AIIMS Jodhpur.

#### **Completed:**

1. **As Co-Investigator-** Comparison of HER2 neu gene status by Fluorescence in situ hybridization (FISH) and immunohistochemistry in invasive breast carcinoma.

#### **Examinership**

1. DM histopathology Examination, External Examiner, PGIMER, Chandigarh, 4<sup>th</sup> to 5<sup>th</sup> December, 2023.
2. MD Pathology & Lab. Medicine AIIMS Raipur, 17<sup>th</sup> to 20<sup>th</sup> December, 2023.
3. MD, Pathology & Lab. Medicine, AIIMS Jodhpur
4. M.B.B.S. 2<sup>nd</sup> Professional Examination, Chairperson, AIIMS Jodhpur
5. PDF Cytopathology, Internal examiner and Chairperson, 15<sup>th</sup> March, 2024.

#### **Membership/Post in Journal or Society or Association**

1. Associate Editor, IJS, Elsevier (IF 15.3)
2. Executive Member, IAC, India

#### **National/ International Conferences attended:**

1. 53<sup>rd</sup> Annual Conference of the Indian Academy of Cytologists, CYTOCON 2023, Cancer Hospital & Research Institute, Gwalior, MP, 26<sup>th</sup> to 30<sup>th</sup> October, 2023.
2. RAJPATHCON 2023. State conference on November 25<sup>th</sup> and 26<sup>th</sup> in Jodhpur organized by Rajasthan state chapter of Indian society of Pathology and Microbiology.
3. 71<sup>st</sup> Annual Conference of IAPM & IAP-IDON, (APCON 2023) as speaker, AIIMS, New Delhi. 6<sup>th</sup> to 9<sup>th</sup> December, 2023.
4. 29TH AIPNA-ICP INTERNATIONAL CME IN PATHOLOGY 2024, Online, 9<sup>th</sup> to 11<sup>th</sup> February, 2024

**Name of Faculty: Dr. Abhishek Purohit**

**Designation: Additional Professor**

**Books/Chapters**

1. Editor, Haematology Pearls 2024

**Papers Presented:**

1. Abhishek Purohit, Gopal Krishana Bohra, Akanksha Garg, Parmod Kumar, Tejasvi Sharma, Shruti Vaswani, Sharumathi E. Evaluation of Diagnostic Utility of CD43 and CD200 in Differentiating B-cell Chronic Lymphoproliferative Disorders by Flow Cytometry (March 28) 2024 KSH International Conference & 65th Annual Meeting (ICKSH 2024), hosted by the Korean Society of Hematology (KSH), March 28 to 30, 2024 at Seoul, Korea.

**Sessions Chaired:**

1. Hemostasis and Thrombosis. 8<sup>th</sup> Midterm PHO CME (July 22<sup>nd</sup>, 2023) at AIIMS, Jodhpur

**Invited Lectures:**

1. MDS: WHO Updates. 01st October'2023, Sunday. UPPATHCON 2023. 30th Annual Conference of UP chapter of Indian Association of Pathologists & Microbiologists (UP chapter of IAPM) on 30th September & 01
2. What must we know about MDS in 2023. 25<sup>th</sup> November, 2023. RAJPATHCON 2023. State conference on November 25<sup>th</sup> and 26<sup>th</sup> in Jodhpur organized by Rajasthan state chapter of Indian society of Pathology and Microbiology.

**Symposium Speaker**

1. What the Lab has to offer and what clinicians want at the "Indian Myeloma congress 2024" from 12 January (Friday) to 14 January (Sunday) 2024 at Symbiosis Medical College for Women, Lavale, Pune

**Workshops/ Conferences Organized:**

1. Sixth Haematology Update at AIIMS, Jodhpur (February 10<sup>th</sup> and 11<sup>th</sup>, 2024)
2. State round of National Haematology Quiz 2023 at AIIMS, Jodhpur

**Research Projects:**

**Ongoing:**

**As Principal investigator:**

1. Evaluation of bone marrow involvement in cases of lymphoma and study of clinicopathological parameters
2. Evaluation of expression of CD25 by flow cytometry in cases of B-cell acute lymphoblastic leukemia and its correlation with bcr::abl1 fusion transcript
3. Evaluation of significance of Day8 peripheral blood blast count in monitoring treatment response in cases of paediatric acute lymphoblastic leukaemia

**As Co-investigator:**

1. An international multicenter, randomized double-blind, placebo-controlled trial of the safety, tolerability and efficacy of anti-Coronavirus hyperimmune intravenous immunoglobulin for the treatment of adult outpatients in early stage of COVID-19: the OTAC study
2. Clinical, biochemical and microbiological profile of paediatric acute leukemia patients having febrile neutropenia while on chemotherapy - a cross sectional study
3. Screening of pregnant mothers and newborns in aspirational district Sirohi, Rajasthan. (Nidan Phase II)
4. Screening of sickle cell anemia in newborn, pregnant women (ANC) and family members in Rajasthan.

**Examinerships:**

1. External Examiner (II MBBS examination) at Government Medical College Pali
2. External Examiner (MD Laboratory Medicine) at AIIMS, New Delhi
3. Internal examiner (MD Pathology) at AIIMS, Jodhpur
4. Internal examiner (PDF Haematopathology) at AIIMS Jodhpur

**Membership/ Post in Journal or Society or Association :**

1. British society of Haematology
2. International Society of Thrombosis and Haemostasis
3. Indian Myeloma Academic Group society
4. Hematology Research Foundation Society

**National/ International Conferences attended:**

1. "Indian Myeloma Congress 2024" from 13th January 2023 (Friday) to 15th Jan 2023 (Sunday) at St John's Medical College, Bengaluru.
2. 2024 KSH International Conference & 65th Annual Meeting (ICKSH 2024), hosted by the Korean Society of Hematology (KSH), March 28 to 30, 2024 at Seoul, Korea.
3. Standardising and Optimising MRD and Genetic Diagnostics in ALL workshop and conference at Tata Medical Center, Kolkata from January 19 – 21, 2024
4. National Symposium on Rare Diseases organized in collaboration with WHO-India at Udaipur on Feb 29 & Mar 1, 2024

**Name of Faculty: Dr Aasma Nalwa****Designation: Additional Professor****Workshops/ Conferences Organized**

1. 17<sup>th</sup> Annual National Conference and International CME of Indian Society of Renal and Transplantation Pathology (ISRTPCON2024)- Dept of Pathology, AIIMS, Jodhpur- 22nd-25th February 2024

**Papers Presented:**

1. Aasma Nalwa, Usha Rani, Uttayan Chakrabarti, Vikarn Vishwajeet, Vikrant Verma, Dr. Manish Chaturvedy, Dr. Rajesh Jhorawat, Dr. Nitin Bajpai. Renal cortical necrosis and thrombotic microangiopathy caused by plasmodium vivax malaria- a case series. 5th IRPC, Croatia.
2. Aasma Nalwa, Nivedita A, Vikarn Vishwajeet, Poonam Abhay Elhence, Manish Chaturvedy, Nitin Bajpai, Rajesh Jhorawat, Aliza Mittal. Profiling of membranous nephropathy based on immunohistochemical expression of antigens NELL-1, PLA2R and THSD7A: Poster presentation at the 5th International Renal Pathology Conference held on 18<sup>th</sup> -20<sup>th</sup> May 2023 at Zagreb, Croatia.

#### **Sessions Chaired:**

1. Session Chair: Vasculitis, 71<sup>st</sup> APCON 2023, AIIMS, New Delhi, 6-10Dec 2023
2. Invited Faculty: Panel Discussion, 6<sup>th</sup> Hematology Update 10<sup>th</sup> & 11<sup>th</sup> Feb, 2024 at AIIMS, Jodhpur (Multiple Myeloma)
3. Invited Faculty: Session Chair, ISHR 2024 (16-18<sup>th</sup> February, 2024) at AIIMS, Jodhpur (Cardiac Amyloidosis)

#### **Invited Lectures:**

1. Faculty Speaker at 7th Annual IBCC& Precision oncology 2023, Jaipur (Papillary Lesions of Breast)
2. Faculty speaker at - 17<sup>th</sup> ISRTPCON Feb23-25,2024, AIIMS, Jodhpur (Kidney biopsy in Renal Diseases)
3. Faculty speaker, Workshop on Direct Immunofluorescence, AIIMS, Jodhpur, November 3, 2023 (Immunofluorescence in Renal Pathology)

#### **Symposium Speaker**

1. Invited podium speaker: slide session Transplant kidney biopsies; ISRTPCON2023, Dept. of Pathology, MPUH, Nadiad; 16th to 19th Feb 2023.

#### **Resource Faculty:**

1. Workshop on Direct Immunofluorescence, AIIMS, Jodhpur, November 3, 2023

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

1. PD-1 & PD-L1 expression in sarcomas

##### **As Co-Investigator**

1. The dynamics of Breast cancer stem cells and miR221-3p, miR133a-3p, and miR9-5p expression correlates with the clinical and pathological outcomes in Breast cancer patients undergoing neoadjuvant or palliative systemic chemotherapy
2. Short- term review of Pediatric nephrology services in an upcoming tertiary care centre-A retrospective analysis
3. Retrospective review of kidney biopsies in an upcoming pediatric nephrology unit
4. Mismatch repair status and PD-L1 expression in Urothelial carcinomas and Renal carcinomas
5. Histopathological spectrum of cutaneous hyaline deposits: Solving the puzzle of differentials of a



rarely studied subgroup of lesions in dermatopathology.

6. Cutaneous metastases of internal malignancies: cases series from a tertiary care Institute.
7. Stratification of pancreaticobiliary and gall bladder FNAB specimens by application of the WHO reporting system for pancreaticobiliary cytology
8. Diagnostic utility of the third edition of the Bethesda system for reporting thyroid cytopathology with emphasis on grey zone categories

#### **Completed:**

##### **As Principal Investigator**

1. The role of newly defined international system for reporting serous fluid cytopathology in a tertiary care center in India and its clinical utility (peritoneal fluid)

##### **As Co-Investigator**

1. The dynamics of Breast cancer stem cells and miR221-3p, miR133a-3p, and miR9-5p expression correlates with the clinical and pathological outcomes in Breast cancer patients undergoing neoadjuvant or palliative systemic chemotherapy.
2. Mismatch repair status and PD-L1 expression in Urothelial carcinomas and Renal carcinomas
3. Spectrum of fungal rhinosinusitis on histopathological examination in the Western part of the country
4. Mismatch repair status and PD-L1 expression in Urothelial carcinomas and Renal carcinomas

#### **Scientific Awards/Patents**

1. Best Presentation: Aasma Nalwa, Usha Rani, Uttayan Chakrabarti, Vikarn Vishwajeet, Vikrant Verma, Dr. Manish Chaturvedy, Dr. Rajesh Jhorawat, Dr. Nitin Bajpai. Renal cortical necrosis and thrombotic microangiopathy caused by plasmodium vivax malaria- a case series. 5th IRPC, Croatia.

#### **Examinership**

1. B.Sc. MLT 1<sup>st</sup> to 3<sup>rd</sup> year Annual Examination at MAMC, Agroha; 3/01/2024
2. MBBS, 2<sup>nd</sup> Professional Annual Examination, 2023-24, MAMC, Agroha; 14<sup>th</sup>-16<sup>th</sup> March 2024

#### **Membership/Post in Journal or Society or Association**

1. Core Committee member- Educational Committee 2024-Renal Pathology Society
2. Core Committee member- Educational Committee 2023-Renal Pathology Society
3. Member – Renal Pathology Society
4. Member- Indian Society of Renal and Transplantation Pathology
5. Member- Indian Association of Pathology and Microbiology
6. Member Indian Society of Organ Transplantation (ISOT)
7. Member-International Society of Nephrology

#### **National/ International Conferences attended:**

1. 5th IRPC, 2023, May 18th-20th, Zagreb, Croatia
2. 16th ISRTPCON 2023, MPUHH, Nadiad 16th-19th Feb 2023
3. 71st APCON 2023, AIIMS, New Delhi 6-10Dec, 2023

**Name of Faculty: Dr. Meenakshi Rao**

**Designation: Additional Professor**

**Books/Chapters:**

1. Rao M, Thirunavukkarasu B. Pathology and Staging. A Guide to Management of Urological Cancers. Springer. DOI : 10.1007/978-981-99-2341-0

**Papers Presented:**

1. Rao M, Elhence P, Nalwa A, Choudhary GR. As primary author: Expression of programmed death ligand-1 and mismatch repair status in renal cell carcinomas 35<sup>th</sup> Congress of the European Society of Pathology, 9<sup>th</sup>-13<sup>th</sup> September, 2023, Dublin, Ireland.

**As co-author:**

1. Sudharshan R, Rao M, Singla S, Sharma N, Yadav T. Unusual encounters: Low-grade mucinous neoplasm within an ovarian teratoma. 71<sup>st</sup> annual conference of the IAPM & annual conference of the IAP-D, 6<sup>th</sup> to 10<sup>th</sup> December, 2023, AIIMS, New Delhi.
2. Hemalatha V, Rao M, Mittal T, Vishwajeet V, Vishnoi JR. A tale of two tumours: A case of concomitant scalp myxofibrosarcoma and basal cell carcinoma. 71<sup>st</sup> annual conference of the IAPM & annual conference of the IAP-D, 6<sup>th</sup> to 10<sup>th</sup> December, 2023, AIIMS, New Delhi.
3. Agarwal A, Aggarwal D, Elhence P, Verma V, Rao M, Vedant D, Poonia DR, Sharma V, Tiwari S. Fear of missing out: papillary microcarcinoma thyroid. 71<sup>st</sup> annual conference of the IAPM & annual conference of the IAP-D, 6<sup>th</sup> to 10<sup>th</sup> December, 2023, AIIMS, New Delhi.
4. Sudharshan R, Nalwa A, Rao M, Kailash, Sharma N, Kumar P. When the unusual strikes: Parotid Rhabdomyosarcoma in a 6-year-male child. RAJPATHCON, 25-26 November, 2023, Jodhpur.
5. Hemalatha V, Rao M, Purohit A, Aggarwal D, Mittal T, Datta D, Kumar S. A puzzling presentation: Myeloid sarcoma of thigh masquerading as bone tumour. 25-26 November, 2023. RAJPATHCON Jodhpur.
6. Yadav G, Rao M, Singh P, Gothwal M, Shekhar S. Utility of fallopian tube brush cytology as a screening tool for epithelial ovarian cancer in patients undergoing gynecological surgeries for benign and malignant indications. ESGO Congress, 29<sup>th</sup> September to 2nd October, 2023. Istanbul, Turkey.

**Sessions Chaired:**

1. Day 2, session 4, 6<sup>th</sup> Hematology Update, AIIMS, Jodhpur, 10<sup>th</sup>-11<sup>th</sup> February, 2024
2. Workshop on neuroendocrine tumors, 71<sup>st</sup> annual conference of the IAPM & annual conference of the IAP-D, AIIMS, New Delhi, 6<sup>th</sup> to 10<sup>th</sup> December, 2023

**Invited Lectures:**

1. Faculty speaker, Workshop on Direct Immunofluorescence, AIIMS Jodhpur, November 3, 2023. (Title: DIF in vesicobullous disorders of skin)
2. Invited faculty speaker, Cardiovascular research convergence, 2023, jointly organized by AIIMS New Delhi and CSIR-Institute of Genomics and Integrative Biology, 29<sup>th</sup> October, New Delhi (Title: Cardiac fibrosis)

**Symposium Speaker:**

1. Physiology of Heart, 50<sup>th</sup> Conference of Association of Physiologists of India; 10<sup>th</sup>-11<sup>th</sup> Dec 2014, AIIMS, Jodhpur

**Resource Faculty:**

1. Cardiovascular research convergence, 2023, jointly organized by AIIMS New Delhi and CSIR-Institute of Genomics and Integrative Biology, 29<sup>th</sup> October, New Delhi (Title: workshop, cardiac amyloidosis)

**Research Projects:****Ongoing:****As Principal Investigator**

1. Mismatch repair deficiency and PD-L1 expression in urothelial carcinomas and renal cell carcinomas (Intramural research grant)
2. Stratification of pancreaticobiliary and gall bladder FNAB specimens by application of the WHO reporting system for pancreaticobiliary cytology (non-funded)
3. Diagnostic utility of the third edition of the Bethesda system for reporting thyroid cytopathology with emphasis on grey zone categories (non-funded)

**As Co-Investigator**

1. PD-1 and PD-L1 expression in sarcomas
2. Incidence of pre-invasive lesions of the fallopian tube in Indian women and usefulness of fallopian tube cytology as a screening tool for epithelial ovarian cancers
3. Identification of HPV independent squamous lesions of cervix and role of morphology, p53, beta-catenin and Ki-67 immunohistochemistry in differentiation from HPV associated cervical squamous lesions
4. The role of newly defined International system for reporting serous fluid cytopathology in a tertiary care centre in India and its clinical utility
5. Spectrum of fungal rhinosinusitis on histopathological examination in western part of the country

**Completed:****As Principal Investigator**

1. Mismatch repair deficiency and PD-L1 expression in urothelial carcinomas and renal cell carcinomas (Intramural research grant)

**As Co-Investigator**

1. PD-1 and PD-L1 expression in sarcomas
2. Incidence of pre-invasive lesions of the fallopian tube in Indian women and usefulness of fallopian tube cytology as a screening tool for epithelial ovarian cancers
3. Identification of HPV independent squamous lesions of cervix and role of morphology, p53, beta-catenin and Ki-67 immunohistochemistry in differentiation from HPV associated cervical squamous lesions

4. Role of CD34, SMA and D2-40 intraepithelial neoplasias and squamous cell carcinomas of uterine cervix
5. Variation in sex steroid hormone receptor expression in fallopian tubes of women with tubal ectopic gestation
6. Study of inflammatory infiltrate and HPV typing in patients with cutaneous and ano-genital warts
7. Analytical quality control and performance assessment of cervical cytology at a tertiary care referral centre in North West India
8. Histopathological spectrum of cutaneous hyaline deposits: solving the puzzle of differentials of a rarely studied subgroup of lesions in dermatopathology.
9. Cutaneous metastasis of internal malignancies: case series from a tertiary care institute

### **Examinership**

1. External examiner for practical examination of second M.B.B.S. (Main) Exam, Pathology, RUHS, held on 12<sup>th</sup>- 15<sup>th</sup> March, 2024 at Dr. S.N. Medical College, Jodhpur
2. Internal Examiner, B.Sc (Hons.), Medical Laboratory Technology 1<sup>st</sup> year Supplementary examination, January, 2024
3. Internal Examiner, B.Sc (Hons.), Medical Laboratory Technology 1<sup>st</sup> year examination, October/November, 2023
4. Internal Examiner, B.Sc (Hons.), Perfusion Technology 1<sup>st</sup> year examination, October/November, 2023
5. Internal Examiner, B.Sc (Hons.), Nursing 2<sup>nd</sup> year examination, Pathology, January, 2024
6. Internal Examiner, Exit Exam, PDF Cytopathology, on 15<sup>th</sup> March, 2024, at AIIMS, Jodhpur

### **National/ International Conferences attended:**

1. 71<sup>st</sup> annual conference of the IAPM & annual conference of the IAP-D, AIIMS, New Delhi, 6<sup>th</sup> to 10<sup>th</sup> December, 2023
2. RAJPATHCON Jodhpur, 25-26 November, 2023
3. 35<sup>th</sup> Congress of the European Society of Pathology, Dublin, Ireland 9<sup>th</sup>-13<sup>th</sup> September, 2023

**Name of Faculty: Dr. Sudeep Khara**

**Designation: Additional Professor**

### **Papers Presented**

#### **As the presenting author:**

1. Sudeep Khara, Pallavi Saraf, Poonam Elhence, Balamurugan Thirunavukkarasu, Manish Pathak "Atrophic kidney like lesion with osseous metaplasia and calcifications- A provisional and rare entity" 62nd IAP-Thailand Annual Meeting , 8-10th November, 2023 at Central Plaza Ladprao, Bangkok, Thailand.
2. Sudeep Khara, Indu Sharma, Neha Agrawal, Manu Goyal, Shashank Shekhar "Inflammatory myofibroblastic tumour of uterine cervix: A rare gynaecological tumour" Diamond Jubilee CME in Pathology 2023) 25-27th July, 2023. St. Johns Medical college, Bangalore.

#### **As co-author:**

1. Aanchal Mahajan, Divya Aggarwal, Sudeep Khera, Vikrant Verma, Poonam Elhence, Ashna Kumar, Lokesh Saini, Sarbesh Tiwari, Vibhor Tak, Vikas Janu. Oral presentation titled- Role of multidisciplinary approach in CNS infections: a case report- First CME on International Lab Professionals Week, April 24-29, 2023, AIIMS, Jodhpur.
2. Savita Singla, Apurva Arora, Sudeep Khera, Satya Prakash meena "Compound nevus of anal canal: An entity to be recognized" 25-26th November 2023, RAJPATHCON Jodhpur.
3. Aanchal Mahajan, Divya Aggarwal, Sudeep Khera, Vikrant Verma, Poonam Elhence, Ashna Kumar, Lokesh Saini, Sarbesh Tiwari, Vibhor Tak, Vikas Janu. Multidisciplinary approach to CNS infections: a case report. Lab professional week, AIIMS Jodhpur, 2023- Oral presentation, AIIMS, Jodhpur.
4. Aashita Agarwal, Divya Aggarwal, Sudeep Khera, Poonam Elhence, Vikas Janu, Sucharita Anand, Lokesh Saini, Sarbesh Tiwari. Oral presentation titled- Perils of presumptive diagnosis: a tale of two cases- First CME on International Lab Professionals Week, April 24-29, 2023, AIIMS, Jodhpur.
5. Anchi Kumawat, Sudeep Khera, Tushar Mittal, Deoshree Solanki "Diagnostic dilemma of unknown primary: utilizing histopathology & Immunohistochemistry for diagnostic clarity" 25-26th November 2023, RAJPATHCON Jodhpur.

#### **Sessions Chaired:**

1. Chairperson for session on CBC and reticulocyte count- Workshop at 6th Hematology Update 2024, 10-11 February 2024, at AIIMS Jodhpur.

#### **Invited Lectures:**

1. Presented a talk in Workshop on Direct Immunofluorescence, 2023, AIIMS Jodhpur.

#### **Research Project:**

##### **Ongoing:**

##### **Co-Investigator:**

1. Histopathological spectrum of cutaneous hyaline deposits: Solving the puzzle of differentials of a rarely studied subgroup of lesions in dermatopathology.
2. Cutaneous metastases of internal malignancies: cases series from a tertiary care Institute.
3. Stratification of pancreaticobiliary and gall bladder FNAB specimens by application of the WHO reporting system for pancreaticobiliary cytology
4. Diagnostic utility of the third edition of the Bethesda system for reporting thyroid cytopathology with emphasis on grey zone categories

#### **Completed:**

1. impact of needle gauge on sample adequacy ; diagnosis of mediastinal lesions during endobronchial ultrasound guided needle aspiration

#### **Scientific Awards/Patents**

##### **As co-author**

1. Aanchal Mahajan, Divya Aggarwal, Sudeep Khera, Vikrant Verma, Poonam Elhence, Ashna Kumar, Lokesh Saini, Sarbesh Tiwari, Vibhor Tak, Vikas Janu. Multidisciplinary approach to CNS infections:

a case report. Lab professional week, AIIMS Jodhpur, 2023- Oral presentation, AIIMS, Jodhpur Ist Prize Oral presentation

### **Examinership**

1. External examiner for Hepatopathology PDCC exam at Institute of Liver & Biliary Sciences, New Delhi held in December, 2023

### **Membership/Post in Journal or Society or Association**

1. Indian academy of cytology

### **National/ International Conferences attended:**

1. 62nd IAP-Thailand Annual Meeting held from November 8-10, 2023 Bangkok, Thailand.
2. Diamond Jubilee CME in Pathology held on 9th and 10th August, 2023 at St. John's Medical College, Bangalore.
3. International Lab Professionals week (24th– 29th April 2023) All India Institute of Medical Sciences Jodhpur
4. Haematology update 2024
5. ISRTPCON 2024

**Name of Faculty: Dr. Deepak Vedant**

**Designation: Associate Professor**

### **Sessions Chaired:**

1. Session 5 of 6<sup>th</sup> Haematology Update, 10<sup>th</sup> -11<sup>th</sup> February, 2024, AIIMS Jodhpur

### **Invited Lectures:**

1. Histopathology as a tool for diagnostic parasitology, TROPACON-2023, 26<sup>th</sup> to 29<sup>th</sup> October, 2023, AIIMS Jodhpur

### **Research Project:**

#### **Ongoing:**

#### **As Principal Investigator:**

1. "Study of histone regulatory markers EZH2 and H3K27me3 in mature B-cell Non-Hodgkin lymphomas and correlation with Ki67 and double/triple expressor status in Diffuse large B cell lymphomas". AIIMS Jodhpur.

#### **As Co-Investigator:**

1. Protein expression analysis using Immunohistochemistry in the borderline resectable oral squamous cell carcinoma treated with induction chemotherapy: Exploratory longitudinal study.

#### **Completed:**

#### **As Principal Investigator:**

1. Comparison of HER2 neu gene status by Fluorescence in situ hybridization (FISH) and immunohistochemistry in invasive breast carcinoma.

#### **National/ International Conferences attended:**

1. 6<sup>th</sup> Haematology Update, 10<sup>th</sup> -11<sup>th</sup> February, 2024, AIIMS Jodhpur
2. **35<sup>th</sup> European Congress of Pathology, Online**, 9 - 13 September 2023
3. ISRTPCON 2024 22<sup>nd</sup> to 25<sup>th</sup> February, 2024, AIIMS Jodhpur
4. 29TH AIPNA-ICP INTERNATIONAL CME IN PATHOLOGY 2024, Online, 9<sup>th</sup> to 11<sup>th</sup> February, 2024
5. Thoracic Pathology Course 2023, 29<sup>th</sup> Sep to 01 October, 2023, Virtual, Memorial Sloan Kettering

**Name of Faculty: Dr. Vikarn Vishwajeet**

**Designation: Associate Professor**

#### **Papers Presented:**

##### **As presenting author:**

1. Vikarn Vishwajeet, Aasma Nalwa, Aliza Mittal, Raghvendra S Sekhawat, Poonam Elhence. Department of Pathology and Lab Medicine, Pediatrics, and Forensic Medicine and Toxicology, AIIMS Jodhpur. Renal cortical necrosis caused by TMA associated with venom-induced consumptive coagulopathy: report of two cases. Poster presented in 5th IRPC 2023 at Zagreb, Croatia
2. Vikarn Vishwajeet, Poonam Elhence, Meenkashi Rao, Aasma Nalwa, Sudeep Khara, Deepak Vedant, Amit Goyal. Department of Pathology and Lab Medicine and ENT-Otorhinolaryngology, AIIMS Jodhpur. Spectrum of fungal rhinosinusitis: a clinicopathological study from Western India. Oral Presentation in APCON 2023 at AIIMS New Delhi

##### **As the co- author:**

1. Aasma Nalwa, Nivedita A, Vikarn Vishwajeet, Poonam Abhay Elhence, Manish Chaturvedy, Nitin Bajpai, Rajesh Jhorawat, Aliza Mittal. Profiling of membranous nephropathy based on immunohistochemical expression of antigens NELL-1, PLA2R and THSD7A: Poster presentation at the 5th International Renal Pathology Conference held on 18<sup>th</sup> -20<sup>th</sup> May 2023 at Zagreb, Croatia.
2. Aasma Nalwa, Usha Rani, Uttayan Chakrabarti, Vikarn Vishwajeet, Vikrant Verma, Dr. Manish Chaturvedy, Dr. Rajesh Jhorawat, Dr. Nitin Bajpai. Renal cortical necrosis and thrombotic microangiopathy caused by plasmodium vivax malaria- a case series. 5th IRPC, Croatia.
3. Ankit Shandilya, Vikarn Vishwajeet, Poonam Elhence, Subhash Chandra Soni, Taruna Yadav. Department of Pathology and Lab Medicine, Surgical gastroenterology and Intervantional and diagnostic radiology, AIIMS Jodhpur. The unconventional unfolds: Mixed adeno-neuroendocrine carcinoma of bile duct. Poster presentation in RAJpathcon
4. Dr. Ankit Shandilya 1, Dr. Vikarn Vishwajeet1, Dr. Aasma Nalwa1, Dr Vikrant Verma1, Dr. Deepika Gupta1, Dr. Ayushi Saxena1, Dr. Manish Chaturvedy2, Dr. Rajesh Jhorawat2, Dr. Nitin Bajpai2 Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Focal segmental glomerular sclerosis. ISRTPCON 2024, AIIMS, Jodhpur.
5. Dr. Ruchi Kumawat 1, Dr. Vikarn Vishwajeet1, Dr. Aasma Nalwa1, Dr Vikrant Verma1, Dr. Deepika Gupta1, Dr. Ayushi Saxena1, Dr. Manish Chaturvedy2, Dr. Rajesh Jhorawat2, Dr. Nitin Bajpai2 Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Disseminated calcification in a case of multicystic dysplastic kidney. ISRTPCON 2024, AIIMS, Jodhpur.

6. Dr. Aashita Agarwal 1, Dr. Vikarn Vishwajeet1, Dr. Aasma Nalwa1, Dr Vikrant Verma1, Dr. Deepika Gupta1, Dr. Ayushi Saxena1, Dr. Manish Chaturvedy2, Dr. Rajesh Jhorawat2, Dr. Nitin Bajpai2. Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Cystic Diseases of Kidney: a clinicopathologic study of five cases. ISRTPCON 2024, AIIMS, Jodhpur.
7. Dr. Kanishka Chaurasia 1, Dr. Vikarn Vishwajeet1, Dr. Aasma Nalwa1, Dr Vikrant Verma1, Dr. Deepika Gupta1, Dr. Ayushi Saxena1, Dr. Manish Chaturvedy2, Dr. Rajesh Jhorawat2, Dr. Nitin Bajpai2 Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Acute phosphate nephropathy caused by epithelial malignancy. ISRTPCON 2024, AIIMS, Jodhpur.
8. Dr. Shikha Chopra 1, Dr. Vikarn Vishwajeet1, Dr. Aasma Nalwa1, Dr Vikrant Verma1, Dr. Deepika Gupta1, Dr. Ayushi Saxena1, Dr. Manish Chaturvedy2, Dr. Rajesh Jhorawat2, Dr. Nitin Bajpai2 Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Dengue Related Glomerulonephritis in a 21-year male - a case report. ISRTPCON 2024, AIIMS, Jodhpur.
9. Dr. Jaine Nagarjun Sai 1, Dr. Vikarn Vishwajeet1, Dr. Aasma Nalwa1, Dr Vikrant Verma1, Dr. Deepika Gupta1, Dr. Ayushi Saxena1, Dr. Manish Chaturvedy2, Dr. Rajesh Jhorawat2, Dr. Nitin Bajpai2 Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Conventional immunohistochemical panel of serum amyloid A, kappa and lambda is not a very sensitive tool for typing amyloid deposits in renal amyloidosis. ISRTPCON 2024, AIIMS, Jodhpur.
10. Dr. Vibha Kush 1, Dr. Vikarn Vishwajeet1, Dr. Aasma Nalwa1, Dr Vikrant Verma1, Dr. Deepika Gupta1, Dr. Ayushi Saxena1, Dr. Manish Chaturvedy2, Dr. Rajesh Jhorawat2, Dr. Nitin Bajpai2 Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Polyarteritis nodosa masquerading as renal abscesses in a female child. ISRTPCON 2024, AIIMS, Jodhpur.
11. Dr. Anchi Kumawat 1, Dr. Vikarn Vishwajeet1, Dr. Aasma Nalwa1, Dr Vikrant Verma1, Dr. Deepika Gupta1, Dr. Ayushi Saxena1, Dr. Manish Chaturvedy2, Dr. Rajesh Jhorawat2, Dr. Nitin Bajpai2 Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Crescentic presentation of diabetic nephropathy in absence of non-diabetic kidney disease. ISRTPCON 2024, AIIMS, Jodhpur.
12. Dr. Anju G 1, Dr. Aasma Nalwa1, Dr. Vikarn Vishwajeet1, Dr Vikrant Verma1, Dr. Deepika Gupta1, Dr. Ayushi Saxena1, Dr. Manish Chaturvedy2, Dr. Rajesh Jhorawat2, Dr. Nitin Bajpai2 Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Renal manifestations of Thrombotic Microangiopathy across diverse disease spectrum. ISRTPCON 2024, AIIMS, Jodhpur.
13. Dr. Jagriti Singh 1, Dr. Aasma Nalwa1, Dr. Vikarn Vishwajeet1, Dr Vikrant Verma1, Dr. Deepika Gupta1, Dr. Ayushi Saxena1, Dr. Manish Chaturvedy2, Dr. Rajesh Jhorawat2, Dr. Nitin Bajpai2 Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. HIV Nephropathy- A Deep Dive into the Spectrum of Renal Complications. ISRTPCON 2024, AIIMS, Jodhpur.
14. Dr. Deepika Gupta 1, Dr. Aasma Nalwa1, Dr. Vikarn Vishwajeet1, Dr Vikrant Verma1, Dr. Deepika Gupta1, Dr. Ayushi Saxena1, Dr. Manish Chaturvedy2, Dr. Rajesh Jhorawat2, Dr. Nitin Bajpai2 Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Histopathological spectrum of monoclonal renal disorders in a Tertiary center in South West Rajasthan. ISRTPCON 2024, AIIMS, Jodhpur.
15. Dr. Shanmukha Sai 1, Dr. Aasma Nalwa1, Dr. Vikarn Vishwajeet1, Dr Vikrant Verma1, Dr. Deepika Gupta1, Dr. Ayushi Saxena1, Dr. Manish Chaturvedy2, Dr. Rajesh Jhorawat2, Dr. Nitin Bajpai2 Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Unveiling PGNMID: Understanding a Rare Renal Disorder. ISRTPCON 2024, AIIMS, Jodhpur.
16. Dr. Hemalatha Velmurugan1, Dr. Aasma Nalwa1, Dr. Vikarn Vishwajeet1, Dr Vikrant Verma1, Dr. Deepika Gupta1, Dr. Ayushi Saxena1, Dr. Manish Chaturvedy2, Dr. Rajesh Jhorawat2, Dr. Nitin Bajpai2 Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Diagnostics and Dilemmas: Pathological Insights into Cryoglobulinemic Glomerulonephritis. ISRTPCON 2024, AIIMS, Jodhpur.



17. Dr. Sharumathi. E 1, Dr. Aasma Nalwa1, Dr. Vikarn Vishwajeet1, Dr Vikrant Verma1, Dr. Deepika Gupta1, Dr. Ayushi Saxena1, Dr. Manish Chaturvedy2, Dr. Rajesh Jhorawat2, Dr. Nitin Bajpai2 Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Unraveling the Enigma: Non-Lupus Full House Nephropathy - A Comprehensive Exploration. ISRTPCON 2024, AIIMS, Jodhpur.
18. Dr. Vinay N Gowda 1, Dr. Aasma Nalwa1, Dr. Vikarn Vishwajeet1, Dr Vikrant Verma1, Dr. Deepika Gupta1, Dr. Ayushi Saxena1, Dr. Manish Chaturvedy2, Dr. Rajesh Jhorawat2, Dr. Nitin Bajpai2 Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Histological spectrum of renal lesions noted in connective tissue disorders excluding lupus. ISRTPCON 2024, AIIMS, Jodhpur.
19. Dr. Sindhoora, Dr Vikrant Verma, Dr. Aasma Nalwa, Dr. Vikarn Vishwajeet, Dr. Deepika Gupta, Dr. Ayushi Saxena, Dr. Manish Chaturvedy, Dr. Rajesh Jhorawat, Dr. Nitin Bajpai. A case series on Pigment induced nephropathy- the causes and outcomes. ISRTPCON 2024, AIIMS, Jodhpur
20. Dr. Priyanka Goyal 1, Dr Vikrant Verma1, Dr. Aasma Nalwa1, Dr. Vikarn Vishwajeet1, Dr. Deepika Gupta1, Dr. Ayushi Saxena1, Dr. Manish Chaturvedy2, Dr. Rajesh Jhorawat2, Dr. Nitin Bajpai2 Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Histopathological spectrum of CNI toxicity in renal allograft biopsies. ISRTPCON 2024, AIIMS, Jodhpur
21. Dr. Neha Meghwal 1, Dr Vikrant Verma1, Dr. Aasma Nalwa1, Dr. Vikarn Vishwajeet1, Dr. Deepika Gupta1, Dr. Ayushi Saxena1, Dr. Manish Chaturvedy2, Dr. Rajesh Jhorawat2, Dr. Nitin Bajpai2 Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Pathological insights into Diffuse Mesangial Sclerosis: A case report. ISRTPCON 2024, AIIMS, Jodhpur.
22. Dr. Sudharshan R 1, Dr Vikrant Verma1, Dr. Aasma Nalwa1, Dr. Vikarn Vishwajeet1, Dr. Deepika Gupta1, Dr. Ayushi Saxena1, Dr. Manish Chaturvedy2, Dr. Rajesh Jhorawat2, Dr. Nitin Bajpai2 Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Anti-Glomerular Basement Membrane Disease: Case series of 5 cases, evaluating clinicopathological spectrum of one of the leading causes of RPRF. ISRTPCON 2024, AIIMS, Jodhpur
23. Dr. Neha Singh 1, Dr Vikrant Verma1, Dr. Aasma Nalwa1, Dr. Vikarn Vishwajeet1, Dr. Deepika Gupta1, Dr. Ayushi Saxena1, Dr. Manish Chaturvedy2, Dr. Rajesh Jhorawat2, Dr. Nitin Bajpai2 Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Vasculotoxic Snake Bites: Effect on clinical and histopathological findings in kidney. ISRTPCON 2024, AIIMS, Jodhpur
24. Dr. Ayushi Saxena1, Dr Vikrant Verma1, Dr. Aasma Nalwa1, Dr. Vikarn Vishwajeet1, Dr. Deepika Gupta1, Dr. Ayushi Saxena1, Dr. Manish Chaturvedy2, Dr. Rajesh Jhorawat2, Dr. Nitin Bajpai2 Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Clinicopathological spectrum of ANCA associated glomerulonephritis: evaluating the effect of associated vasculitis. ISRTPCON 2024, AIIMS, Jodhpur

#### **Sessions Chaired:**

1. Myeloproliferative disorders, 6<sup>th</sup> Hematology Update, 10<sup>th</sup>-11<sup>th</sup> Feb 2024, AIIMS Jodhpur

#### **Symposium Speaker**

1. Proliferative Glomerulonephritis, 17<sup>th</sup> Annual National Conference and International CME of Indian Society of Renal and Transplantation Pathology (IS RTP); 22-25<sup>th</sup> Feb 2024; AIIMS Jodhpur Rajasthan

#### **Resource Faculty:**

1. Direct Immunofluorescence, Direct Immunofluorescence workshop; 3<sup>rd</sup> Nov 2023, AIIMS, Jodhpur

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. Characterization of amyloidosis in diagnostic services using western blot technique and immunogold electron microscopy. [Funding Agency- Science and Engineering Research Board]

**As Co-Investigator**

1. Role of ultrasonography-guided fine needle aspiration cytology with preparation of cell blocks in the diagnosis of abdominal masses
2. Cytodiagnosis by Tzanck smears: 5 year experience at a tertiary care centre in Western India.
3. Histopathological spectrum of cutaneous hyaline deposits: Solving the puzzle of differentials of a rarely studied subgroup of lesions in dermatopathology.
4. Cutaneous metastases of internal malignancies: cases series from a tertiary care Institute.
5. Histological patterns in secondary syphilis: a retrospective study

**Completed:**

**As Principal Investigator**

1. Spectrum of fungal rhinosinusitis on histopathological examination in Western part of the country.

**Examinership**

1. Post-doctoral course in renal pathology, AIIMS Jodhpur, 19<sup>th</sup> March 2024

**Membership/Post in Journal or Society or Association**

1. Life Member; Indian Academy of Pathologists and Microbiologists (lifetime)
2. Life Member; Indian Society of Renal and Transplantation Society and International Society of Nephrology
3. Member: International Society of Nephrology

**National/ International Conferences attended:**

1. 5th International Renal Pathology Conference. Renal Pathology Society, Zagreb, Croatia, 8th -20th May 2023
2. 71st APCON, Indian Society of Pathologist and Microbiologist, AIIMS, New Delhi, 6th to 10th December 2023
3. 17th Annual National Conference and International CME of Indian Society of Renal and Transplantation Pathology (IS RTP), AIIMS Jodhpur, 22-25th February 2024

**Name of Faculty: Dr. Divya Aggarwal**

**Designation: Assistant Professor**

**Papers Presented:**

1. Divya Aggarwal, Poonam Elhence, Vikarn Vishwajeet, Savita Singla, Mohit Agrawal, Sarbesh Tiwari. Collision of rarities: a case report of coexisting astrocytoma and meningeal SMARCB1-deficient

tumor- Poster presentation at Asian Society of Neuro-oncology meeting, 25-29 October 2023, Bali, Indonesia.

2. Aashita Agarwal, Divya Aggarwal, Poonam Abhay Elhence, Vikrant Verma, Meenakshi Rao, Deepak Vedant, Dharma Ram Poonia, Vidhu Sharma, Sarbesh Tiwari. Oral presentation titled- Fear of missing out: papillary microcarcinoma thyroid- 71st APCON, 6-10th December, 2023, AIIMS, New Delhi.
3. Dr. Yeswanth Appajodu, Dr. Divya Aggarwal, Dr. Poonam Abhay Elhence, Dr. Vikrant Verma, Dr. Aasma Nalwa, Dr. Abhishek Purohit, Dr. Manika Malik, Dr. Durga Shankar. Poster presentation titled- Crimson Chronicles: Unmasking the enigma of Amyloid Myopathy- Rajpathcon, 25-26 November 2023, Jodhpur.
4. Dr Rohit Singh Jaggi, Dr Vikarn Vishwajeet, Dr Divya Aggarwal, Dr Poonam Abhay Elhence, Dr Vikrant Verma, Dr Deepak Vedant, Dr Sangeeta Pradhan, Dr Apurva Arora, Dr Jeevan Ram Vishnoi, Dr Jenny Thomas. Poster presentation titled- Sarcomatoid Diffuse Large B cell lymphoma: A diagnostic challenge- Rajpathcon, 25-26 November 2023, Jodhpur.
5. Apurva Arora, Divya Aggarwal, Suman Patra, Poonam Elhence, Vikrant Verma, Vikarn Vishwajeet, Deepak Vedant, Gaurav Phogat. Oral presentation titled- Histologic patterns in secondary syphilis- 26th Annual Conference of Dermatopathology Society of India, 17th- 19th November, 2023, Kolkata.
6. Aanchal Mahajan, Divya Aggarwal, Sudeep Khera, Vikrant Verma, Poonam Elhence, Ashna Kumar, Lokesh Saini, Sarbesh Tiwari, Vibhor Tak, Vikas Janu. Oral presentation titled- Role of multidisciplinary approach in CNS infections: a case report- First CME on International Lab Professionals Week, April 24-29, 2023, AIIMS, Jodhpur.
7. Aashita Agarwal, Divya Aggarwal, Sudeep Khera, Poonam Elhence, Vikas Janu, Sucharita Anand, Lokesh Saini, Sarbesh Tiwari. Oral presentation titled- Perils of presumptive diagnosis: a tale of two cases- First CME on International Lab Professionals Week, April 24-29, 2023, AIIMS, Jodhpur.

#### **Sessions Chaired:**

1. Chairperson for session on CBC and reticulocyte count- Workshop at 6th Hematology Update 2024, 10-11 February 2024, at AIIMS Jodhpur.

#### **Invited Lectures**

1. Potpurri of interesting cases- Speaker at Neuropathology Society of India, Webinar- 24 November 2023. Online webinar.
2. Cutaneous balamuthiasis. Glass slide challenge case- Speaker at Annual meeting of Dermatopathology society of India 2023, Kolkata, 17-29th November 2023.
3. Interpretation of skin DIF- part II. Speaker at direct immunofluorescence workshop at AIIMS, Jodhpur on 3rd November 2023.

#### **Resource Faculty:**

1. Organizing team and souvenir committee of 17th Annual National Conference and International CME of Indian Society of Renal and Transplantation Pathology, 22-25 Feb, 2024, at AIIMS Jodhpur.
2. Scientific advisory committee member at 6th Hematology Update 2024, 10-11 February 2024, at AIIMS Jodhpur.
3. Organizing scientific committee member of direct immunofluorescence workshop at AIIMS, Jodhpur on 3rd November 2023.

**Research Project:****Ongoing:****As Principal Investigator**

1. Intramural project titled- Identification of HPV independent premalignant and malignant squamous lesions of cervix and role of morphology, p53, beta-catenin and Ki67 immunohistochemistry in differentiation from HPV associated lesions. Funding agency- AIIMS Jodhpur.
2. Intramural project titled- Expression of CD34, SMA and D2-40 in intraepithelial neoplasias and squamous cell carcinoma of uterine cervix. Funding agency- AIIMS Jodhpur.
3. Intramural project titled "Histological patterns in secondary syphilis: a retrospective study"
4. Chief guide for project selected under ICMR-STs program for 2023, project titled 'Analytic quality control and performance assessment of cervical cytology at a tertiary care referral centre in North West India'

**As Co-Investigator**

1. ICMR funded extramural project titled "Upfront Surgery Vs Induction Chemotherapy Followed by Surgery in Oral Cavity Squamous Cell Cancers with Advanced Nodal Disease (SurVIC Trial: A Phase 3 Multicentric Randomised Controlled Trial)"
2. Intramural project titled 'An ambispective study to look at specific patterns of infiltrate in Leprosy and non-Leprosy granulomatous dermatoses'. Non-funded project at AIIMS, Jodhpur.
3. Intramural project titled 'Correlation between Rapid On Site Evaluation and Fine Needle Aspiration Cytology of breast lesions using International academy of Cytology Yokohama system'. Non-funded project at AIIMS, Jodhpur.
4. Intramural project titled 'Cytodiagnosis by Tzanck Smears: 5-year experience at tertiary care center in Western India.' Non-funded project at AIIMS, Jodhpur.
5. Intramural project titled 'Evaluation of morphological and clinicopathological aspects of germ cell tumors at gonadal and extragonadal sites.' Non-funded project at AIIMS, Jodhpur.
6. Intramural project titled 'Cutaneous metastases of internal malignancies: case series from a tertiary care institute'. Non-funded project at AIIMS, Jodhpur.
7. Intramural project titled 'Histopathological spectrum of cutaneous hyaline deposits: solving the puzzle of differentials of a rarely studied subgroup of lesions in dermatopathology'. Non-funded project at AIIMS, Jodhpur.

**Scientific Awards/Patents**

1. Corresponding author- Best paper in Pathology in first CME on International Lab Professionals Week, April 24-29, 2023, AIIMS, Jodhpur. Poster titled- Role of multidisciplinary approach in CNS infections: a case report.

**Membership/Post in Journal or Society or Association**

1. European Society of Pathology- member since January 2024.
2. Indian Society of Neuro-Oncology- member since September 2023

**National/ International Conferences attended:**

1. First CME on International Lab Professionals Week, April 24-29, 2023, AIIMS, Jodhpur.
2. Indian Society for Stereotactic and Functional Neurosurgery-CME 2023 11-12 August 2023. Organized by AIIMS Jodhpur
3. 26th Annual Conference of Dermatopathology Society of India, 17th- 19th November, 2023, Kolkata
4. 6th Hematology Update 2024, 10-11 February 2024, at AIIMS Jodhpur.
5. IA& QMS 4-day course from 26 to 29 July 2023, Organized by Dept of Biochemistry, AIIMS Jodhpur.
6. One day NABL awareness program, organized by Dept. of Pathology on 24 November 2024.
7. 17th Annual National Conference and International CME of Indian Society of Renal and Transplantation Pathology, 22-25 Feb, 2024, at AIIMS Jodhpur
8. Asian Society of Neuro-oncology meeting, Bali, Indonesia, 25-29 October 2023.
9. 29<sup>th</sup> AIPNA-ICP International CME in Pathology, 2024, organized by Dept of Histopathology, PGIMER, Chandigarh.
10. 53<sup>rd</sup> Annual conference of Indian Academy of Cytologists, 27-30 October 2023, hosted by Dept of Pathology, Gaja Raja Medical College, Gwalior.

**Name of Faculty: Dr. Vikrant Verma****Designation: Assistant Professor****Papers Presented:**

1. Vikrant Verma , Poonam Elhence , Divya Aggarwal , Vikarn Vishwajeet, Deepak Vedant , Abhishek Bhardwaj , Suman Patra . Histopathological spectrum of cutaneous hyaline deposits: Solving the puzzle of differentials of a rarely studied subgroup of lesions in dermatopathology. 26th Annual Conference of Dermatopathology Society of India, 17th- 19th November, 2023, Kolkata
2. Vikrant Verma , Poonam Elhence , Divya Aggarwal , Abhishek Bhardwaj , Nayan Tada , Kuldeep Singh. Juvenile hyaline fibromatosis: report of a rare autosomal recessive disorder. 26th Annual Conference of Dermatopathology Society of India, 17th- 19th November, 2023, Kolkata.

**List of papers presented in the conferences - as the corresponding author.**

1. Dr. Anju G , Dr. Vikrant Verma, Dr. Poonam Elhence, Dr. Divya Aggarwal, Dr. Aditya Baksi . Mixed Corticomedullary Tumor Of Adrenal Gland: A Rare Case Report. First CME on International Lab Professionals Week, April 24-29, 2023, AIIMS, Jodhpur.
2. Sangeeta Pradhan, Vikrant Verma, Poonam Elhence, Aasma Nalwa, Divya Aggarwal, Dharma Ram Poonia, Pramod Kumar. Gastric adenocarcinoma with primitive enterocyte phenotype: Case report of a rarely recognized aggressive tumor. Rajpathcon, 25-26 November 2023, Jodhpur.
3. Sangeeta Pradhan, Vikrant Verma , Poonam Elhence , Divya Aggarwal, Vikarn Vishwajeet, Deepak Vedant, Abhishek Bhardwaj. Cutaneous metastases of internal malignancies: cases series from a tertiary care Institute. 26th Annual Conference of Dermatopathology Society of India, 17th- 19th November, 2023, Kolkata.
4. Dr. Sindhoora, Dr Vikrant Verma, Dr. Aasma Nalwa, Dr. Vikarn Vishwajeet, Dr. Deepika Gupta, Dr. Ayushi Saxena, Dr. Manish Chaturvedy, Dr. Rajesh Jhorawat, Dr. Nitin Bajpai. A case series on Pigment induced nephropathy- the causes and outcomes. ISRTPCON 2024, AIIMS, Jodhpur

5. Dr. Priyanka Goyal 1, Dr Vikrant Verma1, Dr. Aasma Nalwa1, Dr. Vikarn Vishwajeet1, Dr. Deepika Gupta1, Dr. Ayushi Saxena1, Dr. Manish Chaturvedy2, Dr. Rajesh Jhorawat2, Dr. Nitin Bajpai2 Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Histopathological spectrum of CNI toxicity in renal allograft biopsies. ISRTPCON 2024, AIIMS, Jodhpur
6. Dr. Neha Meghwal 1, Dr Vikrant Verma1, Dr. Aasma Nalwa1, Dr. Vikarn Vishwajeet1, Dr. Deepika Gupta1, Dr. Ayushi Saxena1, Dr. Manish Chaturvedy2, Dr. Rajesh Jhorawat2, Dr. Nitin Bajpai2 Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Pathological insights into Diffuse Mesangial Sclerosis: A case report. ISRTPCON 2024, AIIMS, Jodhpur.
7. Dr. Sudharshan R 1, Dr Vikrant Verma1, Dr. Aasma Nalwa1, Dr. Vikarn Vishwajeet1, Dr. Deepika Gupta1, Dr. Ayushi Saxena1, Dr. Manish Chaturvedy2, Dr. Rajesh Jhorawat2, Dr. Nitin Bajpai2 Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Anti-Glomerular Basement Membrane Disease: Case series of 5 cases, evaluating clinicopathological spectrum of one of the leading causes of RPRF. ISRTPCON 2024, AIIMS, Jodhpur
8. Dr. Neha Singh 1, Dr Vikrant Verma1, Dr. Aasma Nalwa1, Dr. Vikarn Vishwajeet1, Dr. Deepika Gupta1, Dr. Ayushi Saxena1, Dr. Manish Chaturvedy2, Dr. Rajesh Jhorawat2, Dr. Nitin Bajpai2 dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Vasculotoxic Snake Bites: Effect on clinical and histopathological findings in kidney. ISRTPCON 2024, AIIMS, Jodhpur
9. Dr. Ayushi Saxena1, Dr Vikrant Verma1, Dr. Aasma Nalwa1, Dr. Vikarn Vishwajeet1, Dr. Deepika Gupta1, Dr. Ayushi Saxena1, Dr. Manish Chaturvedy2, Dr. Rajesh Jhorawat2, Dr. Nitin Bajpai2 Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Clinicopathological spectrum of ANCA associated glomerulonephritis: evaluating the effect of associated vasculitis. ISRTPCON 2024, AIIMS, Jodhpur

#### **List of papers presented in the conferences- as co- author.**

1. Aanchal Mahajan, Divya Aggarwal, Sudeep Khera, Vikrant Verma, Poonam Elhence, Ashna Kumar, Lokesh Saini, Sarbesh Tiwari, Vibhor Tak, Vikas Janu. Multidisciplinary approach to CNS infections: a case report. Lab professional week, AIIMS Jodhpur, 2023- Oral presentation, AIIMS, Jodhpur
2. Dr. Tapabrata Das1, Dr. Rajesh Jhorawat2, Dr. Manish Chaturvedy3, Dr. Nitin Kumar Bajpai3, Dr. Aasma nalwa3\* Dr. Vikrant Verma4\*, Dr. Subhasis Biswal1, Dr. Vikarn vishwajeet. 4\* Senior Resident, 2- Associate Professor, 3- Additional Professor, 4- Assistant Professor, Department of nephrology, pathology, AIIMS Jodhpur. Membranous nephropathy in a case of autoimmune hemolytic anemia: an atypical association. 28th Annual Conference of North Zone Indian Society of Nephrology, Udaipur.
3. Divya Bhatia, MD;1 Nazneen Bano, MBBS;1 Shubham Kumar Rajput, MBBS;1 Vikrant Verma2, MD; Abhishek Bhardwaj, MD.1 1Department of Dermatology, Venereology and Leprology, All India Institute of Medical Sciences, Jodhpur 2 Department of Pathology and Lab Medicine, All India Institute of Medical Sciences, Jodhpur. Extensive milia within healing lesions of chronic bullous disorder of childhood lesions. 6th May, Srinagar.
4. Aashita Agarwal, Divya Aggarwal, Poonam Abhay Elhence, Vikrant Verma, Meenakshi Rao, Deepak Vedant, Dharma Ram Poonia, Sarbesh Tiwari. Fear of missing out: papillary microcarcinoma thyroid. 71st annual conference of the IAPM & annual conference of the IAP-D, 6th to 10th December, 2023, AIIMS, New Delhi.
5. Dr. Yeswanth Appajodu, Dr. Divya Aggarwal, Dr. Poonam Abhay Elhence, Dr. Vikrant Verma, Dr. Aasma Nalwa, Dr. Abhishek Purohit, Dr. Manika Malik, Dr. Durga Shankar. Poster presentation titled-

- Crimson Chronicles: Unmasking the enigma of Amyloid Myopathy- Rajpathcon, 25-26 November 2023, Jodhpur.
6. Dr Rohit Singh Jaggi, Dr Vikarn Vishwajeet, Dr Divya Aggarwal, Dr Poonam Abhay Elhence, Dr Vikrant Verma, Dr Deepak Vedant, Dr Sangeeta Pradhan, Dr Apurva Arora, Dr Jeevan Ram Vishnoi, Dr Jenny Thomas. Poster presentation titled- Sarcomatoid Diffuse Large B cell lymphoma: A diagnostic challenge- Rajpathcon, 25-26 November 2023, Jodhpur.
  7. Apurva Arora, Divya Aggarwal, Suman Patra, Poonam Elhence, Vikrant Verma, Vikarn Vishwajeet, Deepak Vedant, Gaurav Phogat. Oral presentation titled- Histologic patterns in secondary syphilis- 26th Annual Conference of Dermatopathology Society of India, 17th- 19th November, 2023, Kolkata.
  8. Aasma Nalwa, Usha Rani, Uttayan Chakrabarti, Vikarn Vishwajeet, Vikrant Verma, Dr. Manish Chaturvedy, Dr. Rajesh Jhorawat, Dr. Nitin Bajpai. Renal cortical necrosis and thrombotic microangiopathy caused by plasmodium vivax malaria- a case series. 5th IRPC, Croatia.
  9. Dr. Tapabrata das<sup>1</sup>, Dr. Nitin Kumar bajpai<sup>2</sup>, Dr. Manish Chaturvedy<sup>2</sup>, Dr. Rajesh Jhorawat<sup>3</sup>, Dr. Aasma Nalwa<sup>4</sup> Dr. Vikrant Verma<sup>5</sup>. CNI toxicity with salt losing nephropathy an atypical presentation. ISOT 2023. Kolkata.
  10. Dr. Ankit Shandilya <sup>1</sup>, Dr. Vikarn Vishwajeet<sup>1</sup>, Dr. Aasma Nalwa<sup>1</sup>, Dr Vikrant Verma<sup>1</sup>, Dr. Deepika Gupta<sup>1</sup>, Dr. Ayushi Saxena<sup>1</sup>, Dr. Manish Chaturvedy<sup>2</sup>, Dr. Rajesh Jhorawat<sup>2</sup>, Dr. Nitin Bajpai<sup>2</sup> Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Focal segmental glomerular sclerosis. ISRTPCON 2024, AIIMS, Jodhpur.
  11. Dr. Ruchi Kumawat <sup>1</sup>, Dr. Vikarn Vishwajeet<sup>1</sup>, Dr. Aasma Nalwa<sup>1</sup>, Dr Vikrant Verma<sup>1</sup>, Dr. Deepika Gupta<sup>1</sup>, Dr. Ayushi Saxena<sup>1</sup>, Dr. Manish Chaturvedy<sup>2</sup>, Dr. Rajesh Jhorawat<sup>2</sup>, Dr. Nitin Bajpai<sup>2</sup> Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Disseminated calcification in a case of multicystic dysplastic kidney. ISRTPCON 2024, AIIMS, Jodhpur.
  12. Dr. Aashita Agarwal <sup>1</sup>, Dr. Vikarn Vishwajeet<sup>1</sup>, Dr. Aasma Nalwa<sup>1</sup>, Dr Vikrant Verma<sup>1</sup>, Dr. Deepika Gupta<sup>1</sup>, Dr. Ayushi Saxena<sup>1</sup>, Dr. Manish Chaturvedy<sup>2</sup>, Dr. Rajesh Jhorawat<sup>2</sup>, Dr. Nitin Bajpai<sup>2</sup> Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Cystic Diseases of Kidney: a clinicopathologic study of five cases. ISRTPCON 2024, AIIMS, Jodhpur.
  13. Dr. Kanishka Chaurasia <sup>1</sup>, Dr. Vikarn Vishwajeet<sup>1</sup>, Dr. Aasma Nalwa<sup>1</sup>, Dr Vikrant Verma<sup>1</sup>, Dr. Deepika Gupta<sup>1</sup>, Dr. Ayushi Saxena<sup>1</sup>, Dr. Manish Chaturvedy<sup>2</sup>, Dr. Rajesh Jhorawat<sup>2</sup>, Dr. Nitin Bajpai<sup>2</sup> Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Acute phosphate nephropathy caused by epithelial malignancy. ISRTPCON 2024, AIIMS, Jodhpur.
  14. Dr. Shikha Chopra <sup>1</sup>, Dr. Vikarn Vishwajeet<sup>1</sup>, Dr. Aasma Nalwa<sup>1</sup>, Dr Vikrant Verma<sup>1</sup>, Dr. Deepika Gupta<sup>1</sup>, Dr. Ayushi Saxena<sup>1</sup>, Dr. Manish Chaturvedy<sup>2</sup>, Dr. Rajesh Jhorawat<sup>2</sup>, Dr. Nitin Bajpai<sup>2</sup> Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Dengue Related Glomerulonephritis in a 21-year male - a case report. ISRTPCON 2024, AIIMS, Jodhpur.
  15. Dr. Jaine Nagarjun Sai <sup>1</sup>, Dr. Vikarn Vishwajeet<sup>1</sup>, Dr. Aasma Nalwa<sup>1</sup>, Dr Vikrant Verma<sup>1</sup>, Dr. Deepika Gupta<sup>1</sup>, Dr. Ayushi Saxena<sup>1</sup>, Dr. Manish Chaturvedy<sup>2</sup>, Dr. Rajesh Jhorawat<sup>2</sup>, Dr. Nitin Bajpai<sup>2</sup> Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Conventional immunohistochemical panel of serum amyloid A, kappa and lambda is not a very sensitive tool for typing amyloid deposits in renal amyloidosis. ISRTPCON 2024, AIIMS, Jodhpur.
  16. Dr. Vibha Kush <sup>1</sup>, Dr. Vikarn Vishwajeet<sup>1</sup>, Dr. Aasma Nalwa<sup>1</sup>, Dr Vikrant Verma<sup>1</sup>, Dr. Deepika Gupta<sup>1</sup>, Dr. Ayushi Saxena<sup>1</sup>, Dr. Manish Chaturvedy<sup>2</sup>, Dr. Rajesh Jhorawat<sup>2</sup>, Dr. Nitin Bajpai<sup>2</sup> Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Polyarteritis nodosa masquerading as renal abscesses in a female child. ISRTPCON 2024, AIIMS, Jodhpur.

17. Dr. Anchi Kumawat 1, Dr. Vikarn Vishwajeet1, Dr. Aasma Nalwa1, Dr Vikrant Verma1, Dr. Deepika Gupta1, Dr. Ayushi Saxena1, Dr. Manish Chaturvedy2, Dr. Rajesh Jhorawat2, Dr. Nitin Bajpai2 Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Crescentic presentation of diabetic nephropathy in absence of non-diabetic kidney disease. ISRTPCON 2024, AIIMS, Jodhpur.
18. Dr. Anju G 1, Dr. Aasma Nalwa1, Dr. Vikarn Vishwajeet1, Dr Vikrant Verma1, Dr. Deepika Gupta1, Dr. Ayushi Saxena1, Dr. Manish Chaturvedy2, Dr. Rajesh Jhorawat2, Dr. Nitin Bajpai2 Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Renal manifestations of Thrombotic Microangiopathy across diverse disease spectrum. ISRTPCON 2024, AIIMS, Jodhpur.
19. Dr. Jagriti Singh 1, Dr. Aasma Nalwa1, Dr. Vikarn Vishwajeet1, Dr Vikrant Verma1, Dr. Deepika Gupta1, Dr. Ayushi Saxena1, Dr. Manish Chaturvedy2, Dr. Rajesh Jhorawat2, Dr. Nitin Bajpai2 Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. HIV Nephropathy- A Deep Dive into the Spectrum of Renal Complications. ISRTPCON 2024, AIIMS, Jodhpur.
20. Dr. Deepika Gupta 1, Dr. Aasma Nalwa1, Dr. Vikarn Vishwajeet1, Dr Vikrant Verma1, Dr. Deepika Gupta1, Dr. Ayushi Saxena1, Dr. Manish Chaturvedy2, Dr. Rajesh Jhorawat2, Dr. Nitin Bajpai2 Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Histopathological spectrum of monoclonal renal disorders in a Tertiary center in South West Rajasthan. ISRTPCON 2024, AIIMS, Jodhpur.
21. Dr. Shanmukha Sai 1, Dr. Aasma Nalwa1, Dr. Vikarn Vishwajeet1, Dr Vikrant Verma1, Dr. Deepika Gupta1, Dr. Ayushi Saxena1, Dr. Manish Chaturvedy2, Dr. Rajesh Jhorawat2, Dr. Nitin Bajpai2 Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Unveiling PGNMID: Understanding a Rare Renal Disorder. ISRTPCON 2024, AIIMS, Jodhpur.
22. Dr. Hemalatha Velmurugan1, Dr. Aasma Nalwa1, Dr. Vikarn Vishwajeet1, Dr Vikrant Verma1, Dr. Deepika Gupta1, Dr. Ayushi Saxena1, Dr. Manish Chaturvedy2, Dr. Rajesh Jhorawat2, Dr. Nitin Bajpai2 Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Diagnostics and Dilemmas: Pathological Insights into Cryoglobulinemic Glomerulonephritis. ISRTPCON 2024, AIIMS, Jodhpur.
23. Dr. Sharumathi. E 1, Dr. Aasma Nalwa1, Dr. Vikarn Vishwajeet1, Dr Vikrant Verma1, Dr. Deepika Gupta1, Dr. Ayushi Saxena1, Dr. Manish Chaturvedy2, Dr. Rajesh Jhorawat2, Dr. Nitin Bajpai2 Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Unraveling the Enigma: Non-Lupus Full House Nephropathy - A Comprehensive Exploration. ISRTPCON 2024, AIIMS, Jodhpur.
24. Dr. Vinay N Gowda 1, Dr. Aasma Nalwa1, Dr. Vikarn Vishwajeet1, Dr Vikrant Verma1, Dr. Deepika Gupta1, Dr. Ayushi Saxena1, Dr. Manish Chaturvedy2, Dr. Rajesh Jhorawat2, Dr. Nitin Bajpai2 Dept. of 1Pathology, Dept. of 2Nephrology, AIIMS Jodhpur. Histological spectrum of renal lesions noted in connective tissue disorders excluding lupus. ISRTPCON 2024, AIIMS, Jodhpur.

#### **Sessions Chaired:**

1. Haematology update 2024
  - Basics of Immunohistochemistry (Bone marrow biopsy)
  - Quality control in Haematology laboratory

#### **Symposium Speaker**

1. Case presentation in ISRTPCON 2024
2. Non-proliferative lesions in the kidney- Speaker at Pre-conference CME, ISRTPCON 2024
3. Electron microscopy- Speaker at Pre-conference CME, ISRTPCON 2024
4. Immunofluorescence in renal diseases- Speaker at Workshop on Direct Immunofluorescence, 2023,



AIIMS Jodhpur.

### **Resource Faculty:**

1. Coordinator from Dept of Pathology & Lab Medicine for International Lab Professionals week (24th–29th April 2023) All India Institute of Medical Sciences Jodhpur; Part of Poster, Quiz, Slogan, Puzzles Committee.
2. Part of Organizing committee/ Treasurer for IS RTP conference, Feb 2024, AIIMS Jodhpur.
3. Scientific advisory committee member at 6th Hematology Update 2024, 10-11 February 2024, at AIIMS Jodhpur.
4. Organizing scientific committee member of direct immunofluorescence workshop at AIIMS, Jodhpur on 3rd November 2023.

### **Research Project:**

#### **Ongoing:**

Chief Investigator:

1. Histopathological spectrum of cutaneous hyaline deposits: Solving the puzzle of differentials of a rarely studied subgroup of lesions in dermatopathology.
2. Cutaneous metastases of internal malignancies: cases series from a tertiary care Institute.

Co-Investigator:

1. An ambispective study to look at specific patterns of infiltrate in Leprosy and non-Leprosy granulomatous dermatoses.
2. Stratification of pancreaticobiliary and gall bladder FNAB specimens by application of the WHO reporting system for pancreaticobiliary cytology.
3. Diagnostic utility of the third edition of the Bethesda system for reporting thyroid cytopathology with emphasis on grey zone categories.
4. Immunohistochemistry based prognostic classification for Gall bladder cancer.

### **Scientific Awards/Patents**

#### **As corresponding author**

1. 1st Prize Poster presentation, at RAJPATHCON, 2023 Title: Gastric adenocarcinoma with primitive enterocyte phenotype: case report of a rarely recognized aggressive tumor. Authors: Sangeeta Pradhan<sup>1</sup>, Vikrant Verma<sup>2</sup>, Divya Aggarwal<sup>3</sup>, Poonam Elhence<sup>4</sup>, Dharma Ram Poonia<sup>5</sup>, Parmod Kumar<sup>6</sup> Departments of <sup>1</sup>Pathology & Lab Medicine, <sup>2</sup>Surgical Oncology and <sup>3</sup>Medical Oncology, All India Institute of Medical Sciences, Jodhpur, Rajasthan,

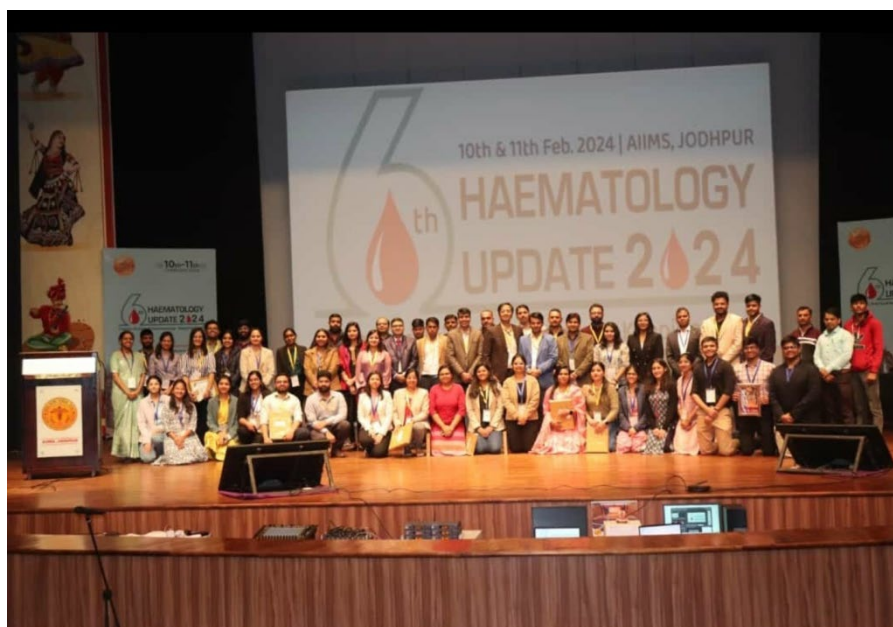
#### **As co-author**

- 1) Renal cortical necrosis and thrombotic microangiopathy caused by plasmodium vivax malaria- a case series. Aasma Nalwa, Usha Rani, Uttayan Chakrabarti, Vikarn Vishwajeet, Vikrant Verma, Dr. Manish Chaturvedy, Dr. Rajesh Jhorawat, Dr.Nitin Bajpai. 5th IRPC, Croatia. 1st Prize Poster presentation
- 2) Lab professional week, AIIMS Jodhpur, 2023- Oral presentation Multidisciplinary approach to CNS infections: a case report AUTHORS: Aanchal Mahajan, Divya Aggarwal, Sudeep Khara, Vikrant

1. Annual Conference of Dermatopathology Society of India, 17th- 19th November, 2023, Kolkata
2. NPSICON 2023
3. International Lab Professionals week (24th– 29th April 2023) All India Institute of Medical Sciences Jodhpur
4. IA& QMS 4-day course from 26 to 29 July 2023, Organized by Dept of Biochemistry, AIIMS Jodhpur.
5. One day NABL awareness program, organized by Dept. of Pathology on 24 November 2024.
6. 6th Hematology Update 2024, 10-11 February 2024, at AIIMS Jodhpur.
7. 17th Annual National Conference and International CME of Indian Society of Renal and Transplantation Pathology, 22-25 Feb, 2024, at AIIMS Jodhpur

1) 6th Haematology Update scheduled on 10th & 11th February, 2024, at All India Institute of Medical Sciences, Jodhpur (Rajasthan)

**Souvenir release, Sixth Haematology Update at AIIMS, Jodhpur, February 2024**



Faculty and participants during the Sixth Haematology Update at AIIMS, Jodhpur

**2) International Lab Professionals week (24th– 29th April 2023) All India Institute of Medical Sciences Jodhpur. (Organized together with Department of Biochemistry, Department of Microbiology, Department of Transfusion Medicine and Blood Bank).**

International Lab Professionals Week is celebrated each year globally to acknowledge the untiring and unwavering support of laboratory professionals to medical care. This was the first CME organized during the International Lab Professionals week 2023 (24-29 April 2023) in a hybrid mode.



International Lab Professionals week (24th– 29th April 2023) All India Institute of Medical Sciences Jodhpur



### 3) Direct immunofluorescence workshop at AIIMS, Jodhpur on 3rd November 2023.

The workshop was organized with objective of acquainting the target group with a focused and comprehensive hands-on training on basic Direct Immunofluorescence techniques so that the participants can initiate the technique in their parent institute. The workshop was mainly aimed for pathologists, early in their career and for accompanying Lab technicians. The training included didactic sessions of scientific lectures pertaining to immunofluorescence, followed by practical sessions to provide a deep understanding about this technique.



Direct immunofluorescence workshop at AIIMS, Jodhpur on 3rd November 2023

### 4) One day NABL awareness program, organized by Dept. of Pathology & Lab Medicine on 24th November 2023.

The awareness program included lectures by specialists on the basics about NABL, accreditation process, overview of ISO 15189:2012, NABL Documents, Medical Entry Level Testing M(EL)T Labs Program, NABL Lab search & how to apply on-line, followed by open discussion.



One day NABL awareness program, organized by Dept. of Pathology & Lab Medicine on 24th Nov 2023

**5) Liquid Based Cytology Awareness Meet, AIIMS, Jodhpur, 27th February, 2024**

Included lectures for training on proper interpretation of Liquid Based Cytology, as well as the role of Liquid Based Cytology and other ancillary techniques for Cervical Cancer Screening.



Liquid Based Cytology Awareness Meet, AIIMS, Jodhpur, 27th February, 2024

**6) The 17th Annual National Conference and International CME of IS RTP held at AIIMS Jodhpur, from 22nd to 25th February 2024 -IS RTP CON 2024.**

The conference was organized with the goal of updating pathologists across India on recent advances in the field of renal pathology. It focused on concepts, contemporary approach, and recent developments in the diagnosis of both native and transplant kidney diseases. Along with Indian stalwarts, the academic feast was graced by nephropathologists of international repute.



The 17th Annual National Conference and International CME of ISRTP held at AIIMS Jodhpur



The 17th Annual National Conference and International CME of ISRTP held at AIIMS Jodhpur



## Department of Pediatric Surgery

S. No.	Name	Designation
1	Dr. Dr. Arvind Sinha	Professor and Head
2	Dr. Dr. Manish Pathak	Professor
3.	Dr. Dr. Kirtikumar J Rathod	Additional Professor
4.	Dr. Dr. Avinash S Jadhav	Additional Professor
5.	Dr. Dr. Rahul Saxena	Additional Professor
6.	Dr. Dr. Shubhalaxmi R Nayak	Assistant Professor

### About the Department

Department of Pediatric Surgery at AIIMS Jodhpur is a beacon of medical excellence in the region, providing comprehensive surgical care for children. between April 2023- April 2024, We catered to 12,023 patients on an OPD basis and performed 521 emergency surgeries and 1328 elective surgeries. Twenty- seven patients underwent robot-assisted surgeries for varied clinical diagnoses. Our department was allotted 3 additional inpatient beds this year and there was a total of 11,006 inpatient admissions and 194 ICU admissions.

Department is a very popular choice for trainees and often preferred over AIIMS Delhi signifying the quality of academic and hands-on training that they are exposed to. Simulation-based training is also provided to them. Four new M.Ch residents have joined the department in this year and undergoing accomplished training with a regular and structured teaching schedule which includes seminars, journal club, case discussion and treatment planning throughout the week. This year we have started four new M.Ch dissertations and three M.Ch Thesis have been completed and submitted. The second batch of MCh (6yrs) course completed their training and passed the exit examination with flying colours.

All the faculty members are adept researchers and have published 32 research paper publications in various national and international journals (28 PubMed Indexed and 2 Non Indexed journals). Five new non-funded and 2 intramural projects have also been initiated in the department.

The residents, under the supervision of able faculty members, presented several oral papers, posters and video presentations in various international and national conferences. We bagged 5 best oral (short and long) presentation papers, First and Second prize for prestigious Karl Storz Best Surgical Video award at PESICON, at Agra. Our residents also won the Best-case presentation, the endo-suturing competition, and the Quiz at the annual MAMC Paediatric Surgical update held at New Delhi. One of our residents also stood as the 1<sup>st</sup> runner-up for the PESI-BAPS travel grant.

The department has always been at the forefront of undergraduate teaching and is regularly conducting lectures, PBL and UNCLE. The UG students are also being posted, in clinics of the department

The department was also actively involved in the co-organisation of the Midterm Paediatric Hemato-Onco Conference (PHOCON) in July 2023.

To raise awareness amongst the public, we organized a program for paediatric solid organ cancer on Children's Day. We distributed colouring material for all the kids and the pictures and paintings created by our little warriors were brilliant.

### Compiled list of Publications of the department:

#### PubMed Indexed:

1. Sikchi R, Sinha A, Pathak M, J Rathod KK, Jadhav AS, Saxena R. (2023) Pattern of Preoperative Uroflowmetry in Hypospadias Patients and Age-matched Control Patients. *J Indian Assoc Pediatr Surg*;28:486-492.
2. Vig A, Sinha A, Pathak M. (2023) Letter to Editor in response to: Acid suppression duration does not alter anastomotic stricture rates after esophageal atresia with distal tracheoesophageal fistula repair: A prospective multi-institutional cohort study. *J Pediatr Surg*. 58:595.
3. Vig A, Rathod KJ, Goel A, Nayak S, Jadhav AS, Pathak M, Saxena R, Sinha A. (2023) the understated issue of caregiver anxiety for pediatric surgical hospital admissions: opening the blindfolds. *Pediatric surgery international*.2023: 39:100.
4. Jayakumar TK, Avinash Sukdev Jadhav, Shubhalaxmi Nayak, Manish Pathak, Arvind Sinha. (2023) Laparoscopic colo-vaginoplasty for cervicovaginal atresia in an adolescent girl. *Journal of Pediatric Surgery Case Reports*. 92: 102605.
5. Shreyas K, Jadhav A., Goel A., Pathak M., Rathod K, Nayak S., Saxena R., Sinha A. (2023) Effect of Multimedia Teaching Tools in parental Anxiety and Comprehension of informed Consent Procedure in Pediatric Surgical Procedures: A Single Centre Randomized Control Trial, *Journal of Pediatric Surgery*. 2023: 58:2000-2005.
6. Menon R, Pathak M, Nayak S, Gupta MK, Saxena R, Jadhav A, Rathod K, Sinha A. Determining the clinical value of routine post-operative follow up in common pediatric surgical conditions: A prospective observational study. *Journal of Indian Association of Pediatric Surgeons*. 2023 Sep 1; 28(5):407-14.
7. Jayakumar TK, Saxena R, Yadav T, Mathur NS, Sinha A. Laparoscopic Management of Auto-Amputated Ovarian Cyst in an Infant. *Afr J Paediatr Surg*. 2024 Jan 1;21(1):58-60. doi: 10.4103/ajps.ajps\_30\_22. Epub 2023 Jan 19. PMID: 38259022; PMCID: PMC10903727.
8. Saxena R, Sinha A, Pathak M, Rathod KJ. Conjoined thoracopagus twins: A systematic review of the anomalies and outcome of surgical separation. *Afr J Paediatr Surg*. 2023 Jul-Sep; 20(3):157-165. doi: 10.4103/ajps.ajps\_77\_22. PMID: 37470549; PMCID: PMC10450114.
9. Vig A, Elhence P, Rathod KJ, Nayak S, Jadhav AS, Pathak M, Saxena R, Sinha A. Effect of Cytomegalovirus Infection on Initial Presentation and Overall Prognosis of Biliary Atresia Patients. *J Indian Assoc Pediatr Surg*. 2023 Jan-Feb;28(1):5-8. doi: 10.4103/jiaps.jiaps\_92\_22. Epub 2023 Jan 10.
10. Jayakumar TK, Rathod KJ, Sinha A. Hydrocolpos and Bladder Obstruction in a Case of the Persistent Urogenital Sinus with Perineal Fistula: Point-of-care Ultrasound to the Rescue. *J Indian Assoc. Pediatr. Surg*. 2024 Jan-Feb;29(1):87-88. doi: 10.4103/jiaps.jiaps\_106\_23. Epub 2024 Jan 12. PMID: 38405241; PMCID: PMC10883167.
11. Esposito C, Rathod KJ, Cerulo M, Del Conte F, Saxena R, Coppola V, Sinha A, Esposito G, Escolino M. Indocyanine green-fluorescent cholangiography: The new standard practice to perform laparoscopic cholecystectomy in pediatric patients. A comparative study with conventional laparoscopic technique. *Surgery*. 2024 Feb; 175(2):498-504. doi: 10.1016/j.surg.2023.10.022. Epub 2023 Nov 25. PMID: 38007385.
12. Jayakumar TK, Rathod KJ, Sinha A, Yadav T. Nonhypertrophic Pyloric Stenosis in a Neonate: A Rare Presentation. *J Indian Assoc Pediatr Surg*. 2023 Sep-Oct;28(5):421-424. doi: 10.4103/jiaps.jiaps\_157\_22. Epub 2023 Apr 25. PMID: 37842226; PMCID: PMC10569279.
13. Jayakumar TK, Rathod KJ, Eradi B, Sinha A. Outcomes of Early Oral Feeding Compared to Delayed Feeding in Children after Elective Distal Bowel Anastomosis. *J Indian Assoc Pediatr Surg*. 2023 Sep-Oct; 28(5):392-396. doi: 10.4103/jiaps.jiaps\_19\_23. Epub 2023 Sep 5.



14. Menon R, Rathod KJ, Rathod D, Kumar P, Yadav T, Sinha A. Thoracoscopic Repair of Iatrogenic Bronchial Injury in a Neonate during Bronchogenic Cyst Excision. *J Indian Assoc Pediatr Surg.* 2023 Jul-Aug; 28(4):332-335.
15. Jayakumar TK, Sikchi R, Rathod KJ, Sinha A. Quality Improvement in Pediatric Surgical Ward Rounds after Implementation of Checklist. *J Indian Assoc Pediatr Surg.* 2023 Jan-Feb;28(1):54-58. Doi: 10.4103/jiaps.jiaps\_169\_21. Epub 2023 Jan 10.
16. Sahil Thakral, Purvi Purohit, Anupama Modi, Richa Mishra, Arvind Sinha, Puneet Setia.. Autophagy genes (HMGB1, Bcl2, Bax) fold change expression in cadaveric heart tissue to estimate time since death: A unique approach. *La Revue de Médecine Légale*, 2023,
17. Wadhwa Y, Sureka B, Sinha A, Elhence PA. Torsed gangrenous Meckel's diverticulum presenting as acute abdomen. *Case Rep Clin Radiol* 2023;1:44-6.
18. Kumar M, Rao M, Khera S, Sinha A, Nalwa A. Serous effusions in Burkitt lymphomas: a report of two paediatric cases with review of literature. *Int J Res Med Sci* 2022;10:1549-52
19. Aithal, S., Sinha, A. & Pathak, M. Robotic assisted thoracoscopic surgery in children: a narrated review. *J Ped Endosc Surg* (2024).
20. Shelly, Kumar R, Jayakumar TK, Sinha A, Kumar S. Anaesthetic management in a 4-year-old child undergoing removal of a gemstone tracheobronchial foreign body. *J Indian Assoc Pediatr Surg* 2023 10.4103/jiaps.jiaps\_78\_23
21. Gupta R, Gunasekaran PK, Tiwari S, Yadav T, Vyas V, Mittal A, Sinha A, Saini L. Occipital Headache, Bilateral Vision Loss and Hypertension in an Adolescent Girl - A Diagnostic Odyssey. *Indian J Pediatr.* 2023 Oct 21.
22. Das N, Sharma V, Gupta D, Soni K, Kutti M, Kaur M, Sharma AK, Kamal M, Sinha A, Goyal A. Troubleshooting of Unusual and Challenging Presentation in Pediatric Airway Emergency: A Case Series. *Journal of Pediatric Pulmonology.*
23. Saxena R, Bhatt S, Pathak M, Goel AD, Rathod KJ, Sinha A, Nayak SR, Jadhav AS.(2023) Retrospective Analysis of the Outcome of Stoma Closure in Children without Preoperative Mechanical Bowel Preparation. *J Indian Assoc Pediatr Surg.* 28:187-193.
24. Sharma R, Thirunavukkarasu B, Nalwa A, Pathak M, Garg PK. (2023) Malignant rhabdoid tumour of liver: Conundrum on ascitic fluid. *Diagnostic cytopathology.* 51:276-9
25. Aithal S, Sinha A, Pathak M, Rathod K, Jadhav A, Saxena R, Nayak S, Bhaskar S. Bladder height to width ratio as a surrogate marker for non-physiological storage pressures in children with spinal dysraphism. *Pediatr Surg Int.* 2024 Apr 29;40(1):114.
26. Aithal S, Sinha A, Saxena R, Rathod KJ, Pathak M, Jadhav AS, Nayak S. Acquired Urethrocutaneous Fistula in Children: Case Series of Unusual Presentations of a Usual Condition. *J Indian Assoc Pediatr Surg.* 2024 May-Jun;29(3):281-284
27. Aithal, S., Saxena, R., Jadhav, A. et al. Laparoscopic excision of a giant choledochal cyst in a 5-year-old child. *J Ped Endosc Surg* 4, 141–142 (2022).
28. An International Consensus Survey Among Pediatric Surgeons on the Role of Appendectomy in Malrotation - accepted for publication (March 2024)

#### Non-Pubmed Indexed:

1. Vig, A., Garg, P.K., Saxena, R. *et al.* (2023) Laparoscopic excision of choledochal cysts: expect the unexpected. *J Ped Endosc Surg* 5:113–117
2. Aithal, S., Sinha, A., Pathak, M. Robotic assisted thoracoscopic surgery in children: a narrated review. *J Ped Endosc Surg.* <https://doi.org/10.1007/s42804-023-00210-y>

**Workshops/ Conferences Organized:**

1. Co-organized 8th Midterm Pediatric Hemato Onco conference (PHOCON) at AIIMS Jodhpur from 21st – 23rd July 2023

**Any other information:****Pediatric Surgery Awareness Week 2024**

The Department of Pediatric Surgery at AIIMS Jodhpur takes immense pride in sharing the grand success of the "Pediatric Surgery Awareness Week 2024" under the aegis of the Indian Association of Pediatric Surgeons (IAPS), which was held from 3rd to 8th June 2024, at AIIMS Jodhpur. Several activities were lined up for the undergraduates, postgraduates (pediatric medicine and general surgery), nursing officers and nursing students to help spread awareness of Pediatric Surgery. To set the ball rolling a preliminary quiz round was held in the OPD foyer area which received enthusiastic participation from the PGs of pediatric medicine and general surgery. It was exciting to watch the postgraduates perform in the subsequent final quizzes comprising five rounds with an adrenaline-filled rapid-fire round that had turned the tables towards the end. A cheerful and knowledgeable group of interns of AIIMS Jodhpur took part in the Undergraduate Quiz, performed exceedingly well and filled the audience's hearts with glee.

In addition to the above, a poster making competition was organized that witnessed not just the enthusiastic participation but the creativity of our nursing officers and nursing students. The colorful posters prepared by them were displayed outside the Pediatric surgery ward which caught the attention of several patient attenders. There were cash prizes given for the winners and runners-up of all the competitions held. Spreading awareness about Pediatric Surgery has never been more joyful and we are eagerly looking forward to doing it again, next year.



Glimpses of the poster session, Pediatric Surgery awareness Week 2024



Participants in the Residents Quiz, Pediatric Surgery awareness Week 2024

**Name of Faculty: Dr. Arvind Sinha**

**Designation: Professor and Head**

**Papers Presented:**

1. Ayushi Vig, Dr. Manish Pathak, Dr. Arvind Sinha, Dr. Kirtikumar Rathod, Dr. Rahul Saxena, Dr. Avinash Jadhav, Dr. Shubhalaxmi Nayak, Management of Wilms tumor : our experience at a tertiary care hospital at 49th Annual Conference of the Indian Association of Pediatric Surgeons at Aurangabad 2nd – 5th November 2023
2. Ayushi Vig, Dr. Manish Pathak, Dr. Arvind Sinha, Dr. Kirtikumar Rathod, Dr. Rahul Saxena, Dr. Avinash Jadhav, Dr. Shubhalaxmi Nayak. Determination of the role of Urinary biomarkers - TFF3, soluble Alpha Klotho and microalbuminuria in predicting the progressive deterioration of renal function in patients with CAKUT at 49th Annual Conference of the Indian Association of Pediatric Surgeons at Aurangabad 2nd – 5th November 2023
3. Revathy Menon, Dr. Manish Pathak, Dr. Kirtikumar J Rathod, Dr. Avinash Jadhav, Dr. Rahul Saxena, Dr. Shubhalaxmi Nayak, Dr. Arvind Sinha Ileal pull through procedure in patients of Congenital Pouch colon (CPC) and Total colonic aganglionosis (TCA) : A retrospective study at 49th Annual Conference of the Indian Association of Pediatric Surgeons at Aurangabad 2nd – 5th November 2023
4. Tripti Agarwal, Dr. Rahul Saxena, Dr. Arvind Sinha, Dr. Manish Pathak, Dr. Kirtikumar Rathod, Dr. Avinash Jadhav, Dr. Shubhalaxmi Nayak To determine the relationship between preoperative nutritional status and postoperative complications categorised according to the Clavien-Dindo classification in paediatric surgical patients. at 49th Annual Conference of the Indian Association of Pediatric Surgeons at Aurangabad 2nd – 5th November 2023
5. Tripti Agarwal, Dr. Rahul Saxena, Dr. Arvind Sinha, Dr. Manish Pathak, Dr. Kirtikumar Rathod, Dr. Avinash Jadhav, Dr. Shubhalaxmi Nayak. Retrospective analysis of sacrococcygeal tumours ( SCT )

- in pediatric patients at 49th Annual Conference of the Indian Association of Pediatric Surgeons at Aurangabad 2nd – 5th November 2023
6. Ananya Kapoor, Dr. Manish Pathak, Dr. Arvind Sinha, Dr. Kirtikumar Rathod, Dr. Rahul Saxena, Dr. Avinash Jadhav, Dr. Shubhalaxmi Nayak. Laparoscopic fundoplication in small infants: Our experience at 49th Annual Conference of the Indian Association of Pediatric Surgeons at Aurangabad 2nd – 5th November 2023
  7. Ananya Kapoor, Dr. Manish Pathak, Dr. Arvind Sinha, Dr. Kirtikumar Rathod, Dr. Rahul Saxena, Dr. Avinash Jadhav, Dr. Shubhalaxmi Nayak. Vesicoscopic bilateral Cohen's reimplantation in right renal duplex with VUR at 49th Annual Conference of the Indian Association of Pediatric Surgeons at Aurangabad 2nd – 5th November 2023
  8. Devprabha Bhagat, Dr. Avinash Jadhav, Dr. Arvind Sinha, Dr. Manish Pathak, Dr. Kirtikumar Rathod, Dr. Rahul Saxena, Dr. Shubhalaxmi Nayak. Laparoscopic Management of renal tumors: Our experience at 11<sup>th</sup> Annual Conference of the Society of Pediatric Urology - Indian Association of Pediatric Surgeons 2023 held at between 1st – 3rd September 2023 at Nagpur.
  9. Siva Kamesh, Dr. Arvind Sinha, Dr. Manish Pathak, Dr. Kirtikumar Rathod, Dr. Rahul Saxena, Dr. Avinash Jadhav, Dr. Shubhalaxmi Nayak. Minimally invasive surgery (MIS) for the management of ectopic ureter in child. at 11<sup>th</sup> Annual Conference of the Society of Pediatric Urology - Indian Association of Pediatric Surgeons 2023 held at between 1st – 3rd September 2023 at Nagpur.
  10. Siva Kamesh, Dr. Avinash Jadhav, Dr. Manish Pathak, Dr. Kirtikumar Rathod, Dr. Rahul Saxena, Dr. Avinash Jadhav, Dr. Shubhalaxmi Nayak, Dr. Arvind Sinha. Three- port Laparoscopic Retroperitoneal Lymphnode dissection (L-RPLND) – A Case Report. at 11<sup>th</sup> Annual Conference of the Society of Pediatric Urology - Indian Association of Pediatric Surgeons 2023 held at between 1st – 3rd September 2023 at Nagpur.
  11. Shreyas K, Dr. Manish Pathak, Dr. Arvind Sinha, Dr. Kirtikumar Rathod, Dr. Rahul Saxena, Dr. Avinash Jadhav, Dr. Shubhalaxmi Nayak. Our initial experience with vesicoscopic ureteric reimplantation. at 11<sup>th</sup> Annual Conference of the Society of Pediatric Urology - Indian Association of Pediatric Surgeons 2023 held at between 1st – 3rd September 2023 at Nagpur
  12. Shreyas K, Dr. Arvind Sinha, Dr. Manish Pathak, Dr. Kirtikumar Rathod, Dr. Rahul Saxena, Dr. Avinash Jadhav, Dr. Shubhalaxmi Nayak. Pediatric Robotic Extra vesical Ureteral Reimplantation- our experience and outcomes. at 11<sup>th</sup> Annual Conference of the Society of Pediatric Urology - Indian Association of Pediatric Surgeons 2023 held at between 1st – 3rd September 2023 at Nagpur.
  13. Ayushi Vig, Dr. Kirtikumar Rathod, Dr. Arvind Sinha, Dr. Manish Pathak, Dr. Rahul Saxena, Dr. Avinash Jadhav, Dr. Shubhalaxmi Nayak. Laparoscopic Kasai Portoenterostomy : our experience at a tertiary care institution at 19th Annual National Conference Of Pediatric Endoscopic Surgeons Of India - PESICON 2024, held between 7th – 10th March at Agra.
  14. Shreyas K, Dr. Arvind Sinha, Dr. Manish Pathak, Dr. Kirtikumar Rathod, Dr. Rahul Saxena, Dr. Avinash Jadhav, Dr. Shubhalaxmi Nayak. Robotics in Pediatric Surgery - Our experience at 19th Annual National Conference Of Pediatric Endoscopic Surgeons Of India - PESICON 2024, held between 7th – 10th March at Agra.
  15. Shreyas K, Dr. Avinash Jadhav, Dr. Arvind Sinha, Dr. Manish Pathak, Dr. Shubhalaxmi Nayak. Laparoscopic Gastric pull up - Our experience at 19th Annual National Conference Of Pediatric Endoscopic Surgeons Of India - PESICON 2024, held between 7th – 10th March at Agra.
  16. Apurva Gupta, Dr. Arvind Sinha, Dr. Manish Pathak, Dr. Kirtikumar Rathod, Dr. Avinash Jadhav, Dr. Rahul Saxena, Dr. Shubhalaxmi Nayak. Robotic assisted repair of rare Morgagni hernia (MH) in infancy at 19th Annual National Conference Of Pediatric Endoscopic Surgeons Of India - PESICON 2024, held between 7th – 10th March at Agra.

17. Apurva Gupta, Dr. Arvind Sinha, Dr. Manish Pathak, Dr. Kirtikumar Rathod, Dr. Avinash Jadhav, Dr. Rahul Saxena, Dr. Shubhalaxmi Nayak. Laparoscopic Repair of rare Morgagni Hernia (MH) at 19th Annual National Conference Of Pediatric Endoscopic Surgeons Of India - PESICON 2024, held between 7th – 10th March at Agra.
18. Apurva Gupta, Dr. Arvind Sinha, Dr. Manish Pathak, Dr. Kirtikumar Rathod, Dr. Avinash Jadhav, Dr. Rahul Saxena, Dr. Shubhalaxmi Nayak. Laparoscopic splenectomy in recurrent non parasitic splenic cyst. at 19th Annual National Conference Of Pediatric Endoscopic Surgeons Of India - PESICON 2024, held between 7th – 10th March at Agra.
19. Somya Bhat, Dr. Manish Pathak, Dr. Avinash Jadhav, Dr. Shubhalaxmi Nayak. Vesicoscopic ureteric reimplantation in a 13 year old child at BAPS 2023 (British Association of Pediatric Surgery) BMCC center, Bruges, Belgium, June 21-23, 2023
20. Shrilakshmi Aithal, Dr. Rahul Saxena, Dr. Arvind Sinha, Dr. Manish Pathak, Dr. Kirtikumar Rathod, Dr. Avinash Jadhav, Dr. Shubhalaxmi Nayak. Adhesive intestinal obstruction in pediatric patients following laparoscopic abdominal surgery- retrospective analysis of a single center at International Pediatric Endosurgery Group/ European Society Of Pediatric Endoscopic Surgery 2023(IPEG/ESPES)
21. Shrilakshmi Aithal, Dr. Rahul Saxena, Dr. Arvind Sinha, Dr. Manish Pathak, Dr. Kirtikumar Rathod, Dr. Avinash Jadhav, Dr. Shubhalaxmi Nayak. Retrospective analysis of early experience of laparoscopic pyeloplasty in children with pelvic ureteric junction obstruction (PUJO) in a tertiary centre at International Pediatric Endosurgery Group /European Society Of Pediatric Endoscopic Surgery 2023 held at Sorrento, Italy 4th-8th July 2023(IPEG/ESPES)
22. Siva Kamesh, Dr. Arvind Sinha, Dr. Manish Pathak, Dr. Kirtikumar Rathod, Dr. Rahul Saxena, Dr. Avinash Jadhav, Dr. Shubhalaxmi Nayak. Mesenteric lipomatous tumours in pediatric population - our experience with two cases at 5th Annual Conference Of The Association Of Pediatric Surgical Oncology at Chennai between 1st-3rd September 2023.
23. Siva Kamesh,, Dr. Manish Pathak, Dr. Kirtikumar Rathod, Dr. Rahul Saxena, Dr. Avinash Jadhav, Dr. Shubhalaxmi Nayak, Dr. Arvind Sinha. Minimal invasive surgery (MIS) for pediatric Adrenal tumours: Our initial experience at 5th Annual Conference Of The Association Of Pediatric Surgical Oncology at Chennai between 1st-3rd September 2023

#### **Sessions Chaired:**

1. Session titled “19<sup>th</sup> National Conference of Pediatric Endoscopic Surgeons of India- 19<sup>th</sup> Annual National Conference Of Pediatric Endoscopic Surgeons Of India - PESICON 2024 2024” as a Faculty to chair a session on topic ‘MIS in Pediatric Urology’ in Agra, U.P from 8th March to 10<sup>th</sup> March 2024

#### **Invited Lectures**

1. Delivered a talk on Recurrent PUJ Obstruction in “11<sup>th</sup> Annual conference of Society of Pediatric Urology Chapter of Indian Association of Pediatric Surgeons (SPUCON) Nagpur from 31<sup>st</sup> Aug. to 4 Aug. 2023
2. Delivered a talk on “Robotic Pediatric surgery : Do We Need it” in “19<sup>th</sup> National Conference of Pediatric Endoscopic Surgeons of India- 2024 2024” in Agra, U.P from 8th Mar. to 10<sup>th</sup> Mar. 2024
3. Delivered a Invited talk on “Robotic Pediatric Surgery” in Wadia Pediatric Surgery CME in Mumbai in Oct 2023.
4. Delivered a talk on “Hirschsprung’s Disease” in “The of the Association of Surgeons of India National conference (ASICON 2023) from 13<sup>th</sup> Dec to 16<sup>th</sup> Dec. 2023 at Visakhapatnam, Andhra Pradesh.

5. Delivered Invited Lecture on "Portal Hypertension: Physiology and Pathology" in Masterclass of Extrahepatic Portal Venous Obstruction in SGPGI Lucknow in March 2024.

### **Symposium Speaker**

1. Symposium titled "11<sup>th</sup> Annual conference of Society of Pediatric Urology Chapter of Indian Association of Pediatric Surgeons ( SPUCON 2023) as a Speaker at Nagpur from 31<sup>st</sup> Aug. to 4 Aug. 2023

### **Research Project:**

#### **Completed Project: - As Principal Investigator**

1. Retrospective analysis of Inguinal Hernia to evaluate the results and the incidence of bilaterality. (2023-24)

#### **Completed: - As Co-investigator**

1. Retrospective analysis of patients of Anorectal Malformations ARMs who underwent laparoscopic assisted Anorectoplasty
2. Retrospective analysis of Pediatric patients with duplication of genito-urinary system
3. Retrospective analysis of operated cases of malignant renal tumor in Pediatric patients
4. A novel technique of DJ stent insertion in minimally invasive ureteropelvic junction obstruction surgery in Pediatric patients
5. Retrospective analysis of the patients who underwent laparoscopic pyloromyotomy in department of Pediatric surgery, AIIMS, Jodhpur during the period of May 2016 to Dec. 2017
6. Implementation of early discharge protocol after laparoscopic appendectomy for Pediatric uncomplicated acute appendicitis
7. To evaluate the challenges faced by healthcare team during the elective surgeries performed during COVID-19 pandemic in Pediatric population
8. Retrospective analysis of outcome of stoma closure in children without mechanical bowel preparation.
9. Evaluation of the challenges and adaption of surgeons while operating with Personal Protective Equipment during the surgeries performed in COVID-19 pandemic in a tertiary care centre.
10. Comparison of Pediatric surgical emergencies before and after Covid- 19 pandemic
11. Retrospective analysis of Robot assisted laparoscopic surgery in pediatric patients at AIIMS Jodhpur
12. Post-operative outcomes in pediatric patients undergoing laparoscopic appendectomy for acute appendicitis in AIIMS Jodhpur.
13. Adhesive intestinal obstruction in pediatric patients following laparoscopic abdominal surgery in AIIMS Jodhpur
14. To evaluate the parental knowledge about surgical wound care among pediatric patients in India.

#### **Ongoing: - As Co-investigator: -**

1. Determination of role circulatory miRNAs in Wilms Tumor patients (Intra-mural Project.)
2. Determination of burden and Quality of life of the Caregivers of children operated for spina bifida practicing clean intermittent catheterization in Northwestern India
3. A Randomised Control Study comparing Primary versus Rotational flap closure in Pediatric Open Neural tube defects



4. Determination of the role of circulatory long non-coding RNA Arid 2- IR, Erbb4- IR and H 19 as a diagnostic biomarker for pediatric patients with chronic kidney disease due to congenital anomalies of kidney and urinary tract (intra-mural project)
5. A comprehensive evaluation of clinical, Anorectal manometry, and Quality of life in post-operative patients of Anorectal Malformation and Hirschsprung Disease
6. Use of indocyanine green In excision of Choledochal cysts and biliodigestive reconstruction in Pediatric patients
7. Comparative evaluation of Tuoren and C-Mac Video laryngoscopes for intubation in neonates – a Randomized control study
8. Retrospective analysis of early experience of laparoscopic pyeloplasty in children with pelviureteric junction obstruction PUJO in a tertiary center
9. Global Cohort Study: Hernias, Pathway and planetary outcomes for Inguinal Hernia Surgery (HIPPO) : Multinational
10. Cipla Home based palliative care CSR project: Extramural
11. To develop a WhatsApp linked chatbot for augmentation of access to surgical care in children

#### **Scientific Awards/Patents**

1. The best short paper award: Management of Wilms tumor : our experience at a tertiary care hospital. 49th Annual Conference of the Indian Association of Pediatric Surgeons at Aurangabad 2nd – 5th November 2023
2. The best Long paper award: Robotics in Pediatric Surgery - Our experience at PESICON, held between 7th – 10th March at Agra.
3. The best Karl Storz video award: Laparoscopic Kasai Portoenterostomy: our experience at a tertiary care institution at PESICON, held between 7th – 10th March at Agra.
4. The best short paper award: Mesenteric lipomatous tumours in pediatric population - our experience with two cases at APSOCON 2023, held on 9th and 10th December at Chennai.
5. The best long case Video award: Three-port Laparoscopic Retroperitoneal Lymph node Dissection (L-RPLND) – A Case Report. At SPUCON 2023 held between 1st – 3rd September 2023 at Nagpur.
6. The best short paper award: Laparoscopic Management of renal tumors : Our experience at SPUCON 2023 held at between 1st – 3rd September 2023 at Nagpur.
7. The best short case Video award: Laparoscopic ureteric reimplantation for ectopic ureter at SPUCON 2023 held at between 1st – 3rd September 2023 at Nagpur.
8. The best Karl Storz video (Runner-Up): Laparoscopic Nephroureterectomy and Lymph Node Sampling at PESICON, held between 7th – 10th March at Agra

#### **Examinership**

1. Invited as a Subject Expert for the “Interviews for Faculty Posts” at All India Institute Of Medical Sciences, Bhopal on 7<sup>th</sup> June 2023
2. Attended Standing Selection Committee Meeting/ Interviews as an External Expert for Faculty selection at All India Institute Of Medical Sciences, Patna on 8<sup>th</sup> Nov. 2023.
3. Invited as question paper setter and external examiner for M Ch. (Pediatric Surgery) Examination 2023 (I) at Indira Gandhi Institute of Medical Sciences in Sheikhpura, Patna from 4<sup>th</sup> Dec. to 5<sup>th</sup> Dec. 2023.
4. Invited as an External subject expert for Personal Interviews for various faculty posts of Dept. of Pediatric Surgery of All India Institute Of Medical Sciences Kalyani at All India Institute Of Medical Sciences, New Delhi on 26<sup>th</sup> Nov. 2023.

**National/ International Conferences attended:**

1. Attend "International Pediatric Endoscopy Group (IPEG) 32<sup>nd</sup> Annual Congress for Endosurgery in children and European Pediatric Endoscopic Surgeons (ESPES) from 5<sup>th</sup> July to 8<sup>th</sup> July 2023 at Sorrento, Italy.
2. Attend "11<sup>th</sup> Annual conference of Society of Pediatric Urology Chapter of Indian Association of Pediatric Surgeons (SPUCON 2023) as a Speaker at Nagpur from 31<sup>st</sup> Aug. to 4 Aug. 2023
3. Attend "The Academic Council of the Association of Surgeons of India (ASICON 2023) as a "Panelist" for panel discussion on 'Hirschsprung's Disease' from 13<sup>th</sup> Dec to 16<sup>th</sup> Dec. 2023 at Visakhapatnam, Andhra Pradesh.
4. Attend "19<sup>th</sup> Annual National Conference of Pediatric Endoscopic Surgeons of India-2023 as a Faculty to chair a session on topic 'MIS in Pediatric Urology' in Agra, U.P from 8<sup>th</sup> Mar. to 10<sup>th</sup> Mar. 2024

**Name of Faculty: Dr. Manish Pathak**

**Designation: Professor**

**Papers Presented:**

1. As the presenting author: Vesicoscopic ureteric reimplantation in a 13 year old child. 69<sup>th</sup> British Association of Pediatric Surgery (BAPS 2023), BMCC center, Bruges, Belgium, June 21-23, 2023

**Sessions Chaired:**

1. 49<sup>th</sup> Annual National Conference of 49<sup>th</sup> Annual Conference Of The Indian Association Of Pediatric Surgeons 2023, Aurangabad, 2<sup>nd</sup>-5<sup>th</sup> November 2023
2. 69<sup>th</sup> Scientific meeting of the British Association of Pediatric Surgeons, BMCC centre, Bruges, Belgium, 21<sup>st</sup>-23<sup>rd</sup> June 2023

**Invited Lectures**

1. Guest Lecture "Basics of Wilms Tumor Surgery", 8<sup>th</sup> Midterm Pediatric Hemato-oncology CME 2023, All India Institute of Medical Sciences, Jodhpur, 21<sup>st</sup>-23<sup>rd</sup> July 2023
2. Online MCQ Quiz expert in an online MCQs quiz on Hirschsprung's Disease, organized by Indian Association of Pediatric Surgeons (IAPS), 2<sup>nd</sup> January 2024
3. Online MCQ Quiz expert in an online MCQs quiz on Wilms tumor, organized by Indian Association of Pediatric Surgeons (IAPS), 9<sup>th</sup> January 2024
4. Lecture on "Shock", ATLS Trauma Life Support, Provide Course, All India Institute of Medical Sciences, Jodhpur, 11<sup>th</sup>-13<sup>th</sup> May 2023
5. Lecture on "Pediatric Trauma", ATLS Trauma Life Support, Provide Course, All India Institute of Medical Sciences, Jodhpur, 28<sup>th</sup>-30<sup>th</sup> November 2023
6. Lecture on "Pediatric Trauma", ATLS Trauma Life Support, Provide Course, All India Institute of Medical Sciences, Jodhpur, 8<sup>th</sup>-10<sup>th</sup> February 2024
7. Chairperson, Urethra, oncology, Miscellaneous short papers, 11<sup>th</sup> National Conference Society of Pediatric Urology (SPUCON), Indian Association of Pediatric Surgeons, Nagpur, 1<sup>st</sup>-3<sup>rd</sup> September 2023



8. Chairperson, Antenatal hydronephrosis and UTI, Pediatric Nephrology Workshop, 20<sup>th</sup> January 2024

### **Symposium Speaker**

1. 11<sup>th</sup> National Conference Society of Pediatric Urology (SPUCON), Indian Association of Pediatric Surgeons, Nagpur, 1<sup>st</sup>-3<sup>rd</sup> September 2023

### **Research projects**

#### **Completed Project: - As Principal Investigator –**

1. Retrospective analysis of patients of Anorectal Malformations ARMs who underwent laparoscopic assisted Anorectoplasty
2. Retrospective analysis of Pediatric patients with duplication of genito-urinary system
3. Retrospective analysis of operated cases of malignant renal tumor in Pediatric patients
4. A novel technique of DJ stent insertion in minimally invasive ureteropelvic junction obstruction surgery in Pediatric patients
5. Retrospective analysis of the patients who underwent laparoscopic pyloromyotomy in department of Pediatric surgery, AIIMS, Jodhpur during the period of May 2016 to Dec. 2017.

#### **Completed Project: - As Co-Investigator: -**

1. Implementation of early discharge protocol after laparoscopic appendectomy for Pediatric uncomplicated acute appendicitis
2. Retrospective analysis of Robot assisted laparoscopic surgery in Pediatric patients at AIIMS Jodhpur
3. To evaluate the challenges faced by healthcare team during the elective surgeries performed during COVID-19 pandemic in Pediatric population
4. Retrospective analysis of outcome of stoma closure in children without mechanical bowel preparation.
5. Evaluation of the challenges and adaption of surgeons while operating with Personal Protective Equipment during the surgeries performed in COVID-19 pandemic in a tertiary care centre.
6. Comparison of Pediatric surgical emergencies before and after Covid- 19 pandemic
7. Retrospective analysis of Robot assisted laparoscopic surgery in pediatric patients at AIIMS Jodhpur
8. Post-operative outcomes in pediatric patients undergoing laparoscopic appendectomy for acute appendicitis in AIIMS Jodhpur.
9. Adhesive intestinal obstruction in pediatric patients following laparoscopic abdominal surgery in AIIMS Jodhpur
10. To evaluate the parental knowledge about surgical wound care among pediatric patients in India.

#### **Ongoing: - As Principal Investigator**

1. Determination of the expression profile of circulatory long non-coding RNA H19 in Pediatric patients with chronic kidney disease
2. Global Cohort Study: Hernias, Pathway and planetary outcomes for Inguinal Hernia Surgery (HIPPO) : Multinational

#### **Ongoing: - As Co-investigator**

1. Determination of the circulatory m-RNA in Wilms tumor
2. Cipla Home based palliative care CSR project: Extramural
3. Determination of role circulatory miRNAs in Wilms Tumor patients (Intra-mural Project.)

4. Determination of burden and Quality of life of the Caregivers of children operated for spina bifida practicing clean intermittent catheterization in Northwestern India
5. A Randomised Control Study comparing Primary versus Rotational flap closure in Pediatric Open Neural tube defects

### Scientific Awards/Patents

1. Best paper award, Management of Wilms tumor : our experience at a tertiary care hospital. 49th Annual Conference Of The Indian Association Of Pediatric Surgeons 2023, Aurangabad, 2-5 November 2023
2. Best paper award. Three- port Laparoscopic Retroperitoneal Lymphnode dissection (L-RPLND) – A Case Report. (11TH Annual Conference Of The Society Of Pediatric Urology - Indian Association Of Pediatric Surgeon -2023), 1<sup>st</sup>-3<sup>rd</sup> September, 2023

### Examinership

1. Subject expert, Speciality of Pediatric Urology, National Board of Examinations in Medical Sciences, Ministry of Health and Family Welfare, Government of India

### National/ International Conferences attended:

1. 11<sup>th</sup> National Conference Society of Pediatric Urology (SPUCON), Indian Association of Pediatric Surgeons, Nagpur, 1<sup>st</sup>-3<sup>rd</sup> September 2023
2. 49<sup>th</sup> Annual National Conference of Indian Association of Pediatric Surgeons 2023, Aurangabad, 2<sup>nd</sup>-5<sup>th</sup> November 2023
3. 69<sup>th</sup> Scientific meeting of the British Association of Pediatric Surgeons, BMCC centre, Bruges, Belgium, 21<sup>st</sup>-23<sup>rd</sup> June 2023
4. Masterclass Pediatric Thoracic Surgery-MCPTS 2024, JIPMER Pondicherry, 29-31<sup>st</sup> March 2024
5. Advanced Trauma Life Support, Provider Course, All India Institute of Medical Sciences, Jodhpur 11<sup>th</sup>-13<sup>th</sup> May, 2023
6. Advanced Trauma Life Support, Provider Course, All India Institute of Medical Sciences, Jodhpur 28<sup>th</sup>-30<sup>th</sup> Nov 2023.
7. Advanced Trauma Life Support, Provider Course, All India Institute of Medical Sciences, Jodhpur 8<sup>th</sup>-10<sup>th</sup> Feb 2024.

**Name of Faculty: Dr. Kirtikumar J Rathod**

**Designation: Additional Professor**

### Books/Chapters

1. "Laparoscopic Nephrectomy" in Textbook of Pediatric Minimal Access Surgery

### Papers Presented: As presenting Author:

1. 19th Annual National Conference Of Pediatric Endoscopic Surgeons Of India –( PESICON ) 7<sup>th</sup> – 10<sup>th</sup> March, 2024 Agra - Laparoscopic Kasai Portoenterostomy: our experience at a tertiary care institution
2. 49th Annual Conference Of The Indian Association Of Pediatric Surgeons 2023 Aurangabad, 2<sup>nd</sup>-5<sup>th</sup> November 2023 - An international survey among pediatric surgeons on the role of appendectomy in malrotation

3. International Pediatric Endosurgery Group (IPEG) 2023 - Laparoscopic Median Sacral Artery Ligation in Sacrococcygeal Teratoma at Sorrento, Italy, July 5-8 2023
4. International Pediatric Endosurgery Group 2023 - Applications of fluorescence-guided surgery in pediatric hepatobiliary surgery at Sorrento, Italy, July 5-8 2023
5. International Hypospadias Society Izmir Turkey Congress - Histological And Biochemical Changes In Penile Tissues Due To Tourniquet Application And/or Adrenaline Injection And Their Effect On Short Term Complications Of Hypospadias Surgery – 27-30<sup>th</sup> Sep 2023 at Izmir, Turkey
6. Pediatric Thoracic Conference at JIPMER Pondicherry – Thoracoscopic resection of Neuroblastoma in a neonate.

#### **Invited Lectures**

1. Indocyanine Green (ICG) Near-Infrared Fluorescence Imaging in Pediatric Surgery European Society of Pediatric Endoscopic Surgery z 2023 International Webinar
2. Technological Advances in Learning and Doing Pediatric Minimal Access Surgery Pediatric Endoscopic Surgeons of India 19th Annual National Conference Of Pediatric Endoscopic Surgeons Of India - PESICON 2024 2023
3. Biostatistics for Beginners MAMC Update 2023

#### **Resource Faculty:**

1. Faculty at International Pediatric Endosurgery Group (IPEG) USA.
2. Faculty of International Pediatric Endosurgery Group /European Society of Pediatric Endoscopic Surgery 2023
3. online webinar on role of fluorescence guidance in pediatric surgery
4. Faculty at Pediatric Endoscopic Surgeons of India 19th Annual National Conference Of Pediatric Endoscopic Surgeons Of India - PESICON 2024 2023 Agra
5. Faculty of Fetal Surgery and Urological Incontinence Surgery at Lilavati Hospital Mumbai on 22 -24 th march 2024
6. Faculty at Deccan Pediatric Urology Conference 19th – 21st January 2024 at Panjim, Goa.
7. Faculty at Hypospadias Workshop All India Institute of Medical Sciences Bhubaneshwar 21<sup>st</sup> -22 nd Apr 2023
8. Faculty at Society of Pediatric Urology Conference at Nagpur 1<sup>st</sup> – 3<sup>rd</sup> sept 2023

#### **Research Project:**

##### **Completed Project: - As Co-Investigator: -**

1. Retrospective analysis of Inguinal Hernia to evaluate the results and the incidence of bilaterality. (2023-24)
2. Retrospective analysis of patients of Anorectal Malformations ARMs who underwent laparoscopic assisted Anorectoplasty
3. Retrospective analysis of Pediatric patients with duplication of genito-urinary system
4. Retrospective analysis of operated cases of malignant renal tumor in Pediatric patients
5. A novel technique of DJ stent insertion in minimally invasive ureteropelvic junction obstruction surgery in Pediatric patients
6. Retrospective analysis of the patients who underwent laparoscopic pyloromyotomy in department of Pediatric surgery, AIIMS, Jodhpur during the period of May 2016 to Dec. 2017

7. Post-operative outcomes in pediatric patients undergoing laparoscopic appendectomy for acute appendicitis in AIIMS Jodhpur.
8. Adhesive intestinal obstruction in pediatric patients following laparoscopic abdominal surgery in AIIMS Jodhpur.

#### **Ongoing Project: - As Principal Investigator**

1. To develop a WhatsApp linked chatbot for augmentation of access to surgical care in children.

#### **Ongoing Project: - As Co- Investigator: -**

1. Global Cohort Study: Hernias, Pathway and planetary outcomes for Inguinal Hernia Surgery (HIPPO) : Multinational
2. Cipla Home based palliative care CSR project: Extramural
3. Comparison of Pediatric surgical emergencies before and after Covid- 19 pandemic
4. Retrospective analysis of early experience of laparoscopic pyeloplasty in children with pelviureteric junction obstruction PUJO in a tertiary center
5. Determination of role circulatory miRNAs in Wilms Tumor patients (Intra-mural Project.)
6. Determination of burden and Quality of life of the Caregivers of children operated for spina bifida practicing clean intermittent catheterization in Northwestern India
7. A Randomised Control Study comparing Primary versus Rotational flap closure in Pediatric Open Neural tube defects
8. Determination of the role of circulatory long non-coding RNA Arid 2- IR, Erbb4- IR and H 19 as a diagnostic biomarker for pediatric patients with chronic kidney disease due to congenital anomalies of kidney and urinary tract (intra-mural project)
9. A comprehensive evaluation of clinical, Anorectal manometry, and Quality of life in post-operative patients of Anorectal Malformation and Hirschsprung Disease
10. Use of indocyanine green in excision of Choledochal cysts and biliodigestive reconstruction in Pediatric patients

#### **Scientific Awards/Patents**

1. "Masters in Global Child Health" MSc Program at St Jude Children's Hospital USA with full scholarship
2. Associate Editor Journal of Indian Association of Pediatric Surgeons
3. Global Association of Physicians of Indian Origin "Surgical Excellence" award
4. Karl Storz Best Laparoscopy Video award of the year 2023 by Pediatric Endoscopic Surgeons of India
5. Thesis got the best thesis award in MCh category at All India Institute of Medical Sciences, Jodhpur Research Day.
6. Mentee got British Association of Paediatric Surgeons fully funded fellowship.
7. Nine Best paper awards in various National and International Conference

#### **National/ International Conferences attended:**

1. International Faculty for European Society of Pediatric Endoscopic Surgery (ESPES) Sorrento Italy July 5<sup>th</sup> -8<sup>th</sup> 2023
2. Invited to Leadership Workshop to St Jude Childrens Research Hospital Memphis USA
3. Faculty at International Pediatric Endosurgery Group (IPEG ), Sorrento, Italy July 5<sup>th</sup> -8<sup>th</sup> 2023

4. Online webinar on role of fluorescence guidance in pediatric surgery
5. Faculty at Pediatric Endoscopic Surgeons of India 19th Annual National Conference Of Pediatric Endoscopic Surgeons Of India - PESICON 7<sup>th</sup> – 10<sup>th</sup> March 2023 Agra
6. Faculty of Fetal Surgery and Urological Incontinence Surgery at Lilavati Hospital Mumbai in January
7. Faculty at Deccan Pediatric Urology Conference
8. Faculty at Hypospadias Workshop All India Institute of Medical Sciences Bhubaneswar
9. Faculty at Society of Pediatric Urology Conference at Nagpur

**Name of Faculty: Dr. Avinash S Jadhav**

**Designation: Additional Professor**

**Papers Presented:**

1. As Presenting Author: Laparoscopic bladder neck repair in incontinent epispadias. International Pediatric Endosurgery Group /European Society Of Pediatric Endoscopic Surgery-2023 at Sorrento, Italy 4<sup>th</sup>-8<sup>th</sup> July 2023

**Invited Lectures**

2. Chairperson: Renal and Ureteral anomalies session at 5th Deccan Meeting in Paediatric Urology - Deccan uro 2024 - Case Based Discussions from 19th to 21<sup>st</sup> January, 2024 at Clube Tennis de Gaspar Dias, Panjim, Goa, India
3. Moderator: Master Video Session of Pediatric Endoscopic Surgeons of India conference 2024 held at Agra, 8<sup>th</sup>-10<sup>th</sup> March 2023.
4. Chairperson: Thoracoscopic Repair of esophageal atresia and tracheoesophageal fistula session at Pediatric Thoracic Surgery Masterclass held at JIPMER Pondicherry 29<sup>th</sup>-31<sup>st</sup> March 2024.
5. Chairperson: Live operative workshop, Society of Pediatric Urology Conference held at Nagpur, 01-03 September 2023

**Symposium Speaker**

1. 11<sup>th</sup> Annual National Conference of the Society of Pediatric Urology Chapter of Indian Association of Pediatric Surgeons – SPUCON, 2023 Nagpur.
2. 19<sup>th</sup> Paediatric Endoscopic Surgeons of India Conference Agra, 8<sup>th</sup>-10<sup>th</sup> March 2023
3. 5<sup>th</sup> Deccan Meeting in Paediatric Urology - Deccan uro 2024 - Case Based Discussions from 19th to 21<sup>st</sup> January, 2024 at Clube Tennis de Gaspar Dias, Panjim, Goa, India

**Research Project:**

**Completed Project: - As Co-Investigator: -**

2. Retrospective analysis of Inguinal Hernia to evaluate the results and the incidence of bilaterality. (2023-24)
3. Retrospective analysis of patients of Anorectal Malformations ARMs who underwent laparoscopic assisted Anorectoplasty
4. Retrospective analysis of Pediatric patients with duplication of genito-urinary system
5. Retrospective analysis of operated cases of malignant renal tumor in Pediatric patients
6. A novel technique of DJ stent insertion in minimally invasive ureteropelvic junction obstruction surgery in Pediatric patients

7. A novel technique of DJ stent insertion in minimally invasive ureteropelvic junction obstruction surgery in pediatric patient's Retrospective analysis.
8. Retrospective analysis of patients of Anorectal Malformations ARMs who underwent laparoscopic assisted Anorectoplasty.
9. Retrospective analysis of pediatric patients with duplication of genito-urinary system.
10. Retrospective analysis of operated cases of malignant renal tumor in pediatric patients
11. Retrospective analysis of outcome of stoma closure in children without mechanical bowel preparation.
12. Evaluation of the challenges and adaption of surgeons while operating with Personal Protective Equipment during the surgeries performed in COVID-19 pandemic in a tertiary care centre.
13. Retrospective analysis of the patients who underwent laparoscopic pyloromyotomy in department of pediatric surgery, AIIMS, Jodhpur during the period of May 2016 to Dec. 2017
14. Comparison of Pediatric surgical emergencies before and after Covid- 19 pandemic
15. Retrospective analysis of Robot assisted laparoscopic surgery in pediatric patients at AIIMS Jodhpur
16. Retrospective analysis of the patients who underwent laparoscopic pyloromyotomy in department of Pediatric surgery, AIIMS, Jodhpur during the period of May 2016 to Dec. 2017

#### **Ongoing Project: - As Co-investigator –**

1. Determination of role circulatory miRNAs in Wilms Tumor patients (Intra-mural Project.)
2. Determination of burden and Quality of life of the Caregivers of children operated for spina bifida practicing clean intermittent catheterization in Northwestern India
3. A Randomised Control Study comparing Primary versus Rotational flap closure in Pediatric Open Neural tube defects
4. Determination of the role of circulatory long non-coding RNA Arid 2- IR, Erbb4- IR and H 19 as a diagnostic biomarker for pediatric patients with chronic kidney disease due to congenital anomalies of kidney and urinary tract (intra-mural project)
5. A comprehensive evaluation of clinical, Anorectal manometry, and Quality of life in post-operative patients of Anorectal Malformation and Hirschsprung Disease
6. Use of indocyanine green In excision of Choledochal cysts and biliodigestive reconstruction in Pediatric patients
7. Global Cohort Study: Hernias, Pathway and planetary outcomes for Inguinal Hernia Surgery (HIPPO) : Multinational
8. Cipla Home based palliative care CSR project: Extramural

#### **National/ International Conferences attended:**

1. 11<sup>th</sup> Annual National Conference of the Society of Pediatric Urology Chapter of Indian Association of Pediatric Surgeons” - “11TH Annual Conference Of The Society Of Pediatric Urology - Indian Association Of Pediatric Surgeons 2023 Nagpur.
2. 19<sup>th</sup> Paediatric Endoscopic Surgeons of India Conference Agra, 8<sup>th</sup>-10<sup>th</sup> March 2023
3. 5<sup>th</sup> Deccan Meeting in Paediatric Urology - Deccan uro 2024 - Case Based Discussions from 19<sup>th</sup> to 21<sup>st</sup> January, 2024 at Clube Tennis de Gaspar Dias, Panjim, Goa, India
4. Pediatric Thoracic Surgery Masterclass held at JIPMER Pondicherry 29<sup>th</sup>-31<sup>st</sup> March 2024.
5. International Pediatric Endosurgery Group & European Society Of Pediatric Endoscopic Surgery, 5<sup>th</sup>-8<sup>th</sup> July 2023 in Sorrento, Italy
6. Advanced Trauma Life Support (ATLS) provider course

**Name of Faculty: Dr. Rahul Saxena**

**Designation: Additional Professor**

**Papers Presented: As presenting author**

1. Rahul Saxena, Somya Bhatt, Manish Pathak, Kirtikumar J Rathod, Avinash Jadhav, Shubhalaxmi Nayak, Arvind Sinha. Determining surgeon's accuracy in predicting the severity of appendicitis in children: A comparison between clinical diagnosis and intraoperative findings. 1st Joint Meeting of International Pediatric Endosurgery Group & European Society Of Pediatric Endoscopic Surgery, 5th-8th July 2023 in Sorrento, Italy
2. Dr. Rahul Saxena, Somya Bhatt, Dr Kirtikumar J Rathod, Dr Arvind Sinha. Single stage management of dual pathologies: A case report. 1st Joint Meeting International Pediatric Endosurgery Group & European Society Of Pediatric Endoscopic Surgery, 5th-8th July 2023 in Sorrento, Italy.
3. Dr Rahul Saxena, Aithal S, Dr Arvind Sinha, Dr Manish Pathak, Dr Kirtikumar Rathod, Dr Avinash Jadhav, Dr Shubhalaxmi Nayak. Adhesive intestinal obstruction in pediatric patients following laparoscopic abdominal surgery- retrospective analysis of a single. 1st Joint Meeting of International Pediatric Endosurgery Group & European Society Of Pediatric Endoscopic Surgery, 5th-8th July 2023 in Sorrento, Italy.
4. Dr Rahul Saxena, Aithal S, Dr Arvind Sinha, Dr Manish Pathak, Dr Kirtikumar Rathod, Dr Avinash Jadhav, Dr Shubhalaxmi Nayak. Retrospective analysis of early experience of laparoscopic pyeloplasty in children with pelviureteric junction obstruction (PUJO) in a tertiary center. 1st Joint Meeting of International Pediatric Endosurgery Group & European Society Of Pediatric Endoscopic Surgery , 5-8 July 2023 in Sorrento, ITALY.
5. Dr Rahul Saxena, Tripti Agarwal, Dr Arvind Sinha, Dr Manish Pathak , Dr Kirtikumar Rathod, , Dr Avinash Jadhav, Dr Shubhalaxmi Nayak. To determine the relationship between preoperative nutritional status and postoperative complications categorised according to the Clavien-Dindo classification in paediatric surgical patients. 49th Annual Conference Of The Indian Association Of Pediatric Surgeons 2023, 49th Annual Conference of Indian Association of Pediatric Surgeons, November 2nd – 5th 2023, Aurangabad, Maharashtra.
6. Rahul Saxena and Unnati Prajapati. Laproscopic adrenalectomy for sex steroid producing adrenal tumor- A rare case presentation. 19th Annual National Conference Of Pediatric Endoscopic Surgeons Of India - PESICON 2024 2024, 19th Annual National Conference Of Pediatric Endoscopic Surgeons Of India - PESICON 2024 2024, 9th National conference of Paediatric Endoscopic Surgeons of India, March 7-10th 2024 at Galaxy Hospital, Agra.
7. Rahul Saxena, Shreyas K, Dr Arvind Sinha, Dr Manish Pathak. Video Presentation. Dr Rahul Saxena, Dr Arvind Sinha, Dr Manish Pathak. 19th Annual National Conference Of Pediatric Endoscopic Surgeons Of India - PESICON 2024 2024, 19th Annual National Conference Of Pediatric Endoscopic Surgeons Of India - PESICON 2024 2024, 9th National conference of Paediatric Endoscopic Surgeons of India, March 7-10th 2024 at Galaxy Hospital, Agra.

**Sessions Chaired:**

1. Chairperson at Masterclass in Pediatric Thoracic Surgery, March 29-31, 2024, JIMER, Puducherry.
2. Chairperson. "UTI and Antenatal Hydronephrosis session" January, 20th, 2024, All India Institute of Medical Sciences, Jodhpur.

3. Chairperson, Emergencies in Pediatric Oncology, at 8<sup>th</sup> National Midterm Pediatric hematology and oncology CME, July 21<sup>st</sup> -23<sup>rd</sup>, @023, All India Institute of Medical Sciences, Jodhpur

#### **Invited Lectures**

1. Faculty at Basic Endoscopy and Bronchoscopy Workshop, Neoclinic Children Hospital, Nirman Nagar, Jaipur, February, 11<sup>th</sup>, 2024.
2. Faculty at Fetal Surgery and Urinary Incontinence Surgery Twin Conference, Lilawati Hospital and Spina Bifida Foundation, Mumbai and Medical University of Silesia, Poland, March 22-24<sup>th</sup>, 2024, Mumbai.

#### **Resource Faculty:**

1. Faculty at Basic Endoscopy and Bronchoscopy Workshop, Neoclinic Children Hospital, Nirman Nagar, Jaipur, February, 11<sup>th</sup>, 2024.
2. Faculty at Fetal Surgery and Urinary Incontinence Surgery Twin Conference, Lilawati Hospital and Spina Bifida Foundation, Mumbai and Medical University of Silesia, Poland, March 22-24<sup>th</sup>, 2024, Mumbai.

#### **Research Project:**

##### **Completed Project: - As Principal Investigator**

1. Post-operative outcomes in pediatric patients undergoing laparoscopic appendectomy for acute appendicitis in AIIMS Jodhpur.
2. Adhesive intestinal obstruction in pediatric patients following laparoscopic abdominal surgery in AIIMS Jodhpur.

##### **Completed Project: - As Co-Investigator**

1. To evaluate the parental knowledge about surgical wound care among pediatric patients in India.
2. Implementation of early discharge protocol after laparoscopic appendectomy for pediatric uncomplicated acute appendicitis.

##### **Ongoing Project: - As Principal Investigator**

1. Retrospective analysis of early experience of laparoscopic pyeloplasty in children with pelviureteric junction obstruction PUJO in a tertiary center.
2. Retrospective analysis of Robot assisted laparoscopic surgery in Pediatric patients at AIIMS Jodhpur

##### **Ongoing Project: - As Co-Investigator**

1. Determination of the role of circulatory long non-coding RNA Arid 2- IR, Erbb4- IR and H 19 as a diagnostic biomarker for pediatric patients with chronic kidney disease due to congenital anomalies of kidney and urinary tract.
2. To evaluate the parental knowledge about surgical wound care among pediatric patients in India.

#### **Scientific Awards/Patents**

1. Best Paper: To determine the relationship between preoperative nutritional status and postoperative complications categorised according to the Clavien-Dindo classification in paediatric surgical patients.



- 49th Annual Conference Of The Indian Association Of Pediatric Surgeons 2023, 49th Annual Conference of Indian Association of Pediatric Surgeons, November 2<sup>nd</sup> – 5<sup>th</sup> 2023, Aurangabad, Maharashtra.
2. First prize, Short paper session. Management of Wilms tumor: our experience at a tertiary care hospital. 49th Annual Conference Of The Indian Association Of Pediatric Surgeons 2023, 49th Annual Conference of Indian Association of Pediatric Surgeons, November 2<sup>nd</sup> – 5<sup>th</sup> 2023, Aurangabad, Maharashtra.
  3. First Prize, Karl Storz video presentation. Laparoscopic Kasai Portoenterostomy: our experience at a tertiary care institution. 19th Annual National Conference Of Pediatric Endoscopic Surgeons Of India - PESICON 2024 2024, 9th National conference of Paediatric Endoscopic Surgeons of India, March 7-10<sup>th</sup> 2024 at Galaxy Hospital, Agra.
  4. First prize, Long paper session. Robotics in Pediatric Surgery - Our experience. 19th Annual National Conference Of Pediatric Endoscopic Surgeons Of India - PESICON 2024 2024, 9th National conference of Paediatric Endoscopic Surgeons of India, March 7-10<sup>th</sup> 2024 at Galaxy Hospital, Agra.
  5. First Prize, Long Video session. Three- port Laparoscopic Retroperitoneal Lymph node dissection (L-RPLND) – A Case Report. 11TH Annual Conference Of The Society Of Pediatric Urology - Indian Association Of Pediatric Surgeons 2023, 11<sup>th</sup> National Conference Society of Pediatric Urology, Indian Association of Pediatric Surgeons, September 1<sup>st</sup> -3<sup>rd</sup> 2023.
  6. First Prize, short paper. Laparoscopic Management of renal tumors : Our experience. 11<sup>th</sup> Annual Conference of the Society of Pediatric Urology - Indian Association of Pediatric Surgeons 2023, 11<sup>th</sup> National Conference Society of Pediatric Urology, Indian Association of Pediatric Surgeons, September 1<sup>st</sup> -3<sup>rd</sup> 2023.

#### **National/ International Conferences attended:**

1. European Society Of Pediatric Endoscopic Surgery - Virtual course in pediatric MIS, Mar 13, 2024 03:00 PM Paris
2. IRCAD "European Society Of Pediatric Endoscopic Surgery - Virtual course in pediatric MIS" Date Time: Apr 26, 2023 03:00 PM Paris
3. Webinar on Thoracoscopic repair of H type tracheoesophageal fistula in a 2 weeks old newborn, March 21, 2024. IPLSOG
4. Webinar on Thoracoscopic correction of esophageal atresia with distal fistula. February 28th 2024, IPLSOG
5. Thoracoscopic repair of long gap esophageal atresia, From Pediatric Surgery Wroclaw, January 31st 2024. International Pediatric Live Surgery Online Group. IPLSOG.
6. CME on Esophageal Atresia Surgery. November 29, 2023. International Pediatric Live Surgery Online Group. IPLSOG.
7. Webinar on Gastro-Esophageal Reflux Surgery - September 27, 2023, International Pediatric Live Surgery Online Group. IPLSOG.
8. Video Webinar Thoracoscopic correction of esophageal atresia log gap, second stage of internal traction. June 28, 2023, International Pediatric Live Surgery Online Group. IPLSOG.
9. Webinar on Epispadias repair according to Mitchell, June 14th 2023, International Pediatric Live Surgery Online Group. IPLSOG.
10. "Surgical Solutions for Childhood Urinary Incontinence" Chacha Nehru Bal Chikitsalaya, New Delhi from 12-13th August, 2023.

**Name of Faculty: Dr. Shubhalaxmi R Nayak**

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## Designation: Assistant Professor

### Papers Presented:As Co- Author:

1. Ayushi Vig, Dr Manish Pathak, Dr Arvind Sinha, Dr Kirtikumar Rathod, Dr Rahul Saxena, Dr Avinash Jadhav, Dr Shubhalaxmi Nayak ,Management of Wilms tumor : our experience at a tertiary care hospital at 49th Annual Conference of the Indian Association of Pediatric Surgeons at Aurangabad 2nd – 5th November 2023
2. Ayushi Vig, Dr Manish Pathak, Dr Arvind Sinha, Dr Kirtikumar Rathod, Dr Rahul Saxena, Dr Avinash Jadhav, Dr Shubhalaxmi Nayak. Determination of the role of Urinary biomarkers - TFF3, soluble Alpha Klotho and microalbuminuria in predicting the progressive deterioration of renal function in patients with CAKUT at 49th Annual Conference of the Indian Association of Pediatric Surgeons at Aurangabad 2nd – 5th November 2023
3. Revathy Menon, Dr Manish Pathak, Dr Kirtikumar J Rathod, Dr Avinash Jadhav, Dr Rahul Saxena, Dr Shubhalaxmi Nayak, Dr Arvind Sinha Ileal pull through procedure in patients of Congenital Pouch colon (CPC) and Total colonic aganglioneosis (TCA) : A retrospective study at 49th Annual Conference of the Indian Association of Pediatric Surgeons at Aurangabad 2nd – 5th November 2023
4. Tripti Agarwal, Dr Rahul Saxena, Dr Arvind Sinha, Dr Manish Pathak , Dr Kirtikumar Rathod, , Dr Avinash Jadhav, Dr Shubhalaxmi Nayak To determine the relationship between preoperative nutritional status and postoperative complications categorised according to the Clavien-Dindo classification in paediatric surgical patients. at 49th Annual Conference of the Indian Association of Pediatric Surgeons at Aurangabad 2nd – 5th November 2023

### Sessions Chaired:

1. Chaired virtual session for Short paper presentation on 27th October on “G I Surgery” in the 49th Annual Conference of the Indian Association of Pediatric Surgeons
2. Chaired session on “Urodynamic Study” on 23<sup>rd</sup> March 2024 in the Fetal Surgery and Urinary Incontinence surgery twin conference held at Mumbai from 22<sup>nd</sup> – 24<sup>th</sup> March 2024
3. Chaired a session on “Renal and Ureteral anomalies” on the 20th of January in the 5th Deccan Conference in Pediatric Urology held from 19th – 21st January 2024 at Panjim, Goa.
4. Chaired a session on “Surgical Oncology” on 5th of November in the 49th Annual Conference of the Indian Association of Pediatric Surgeons at Aurangabad 2nd – 5th November 2023

### Research Project:

#### Completed Project: - As Co-Investigator: -

1. Retrospective analysis of Inguinal Hernia to evaluate the results and the incidence of bilaterality. (2023-24)
2. Retrospective analysis of patients of Anorectal Malformations ARMs who underwent laparoscopic assisted Anorectoplasty
3. Retrospective analysis of Pediatric patients with duplication of genito-urinary system
4. Retrospective analysis of operated cases of malignant renal tumor in Pediatric patients
5. Post-operative outcomes in pediatric patients undergoing laparoscopic appendectomy for acute appendicitis in AIIMS Jodhpur.
6. Adhesive intestinal obstruction in pediatric patients following laparoscopic abdominal surgery in AIIMS Jodhpur.

**Ongoing Project: - As Principal Investigator:**

1. Determination of role circulatory miRNAs in Wilms Tumor patients (Intra-mural Project.)
2. Determination of burden and Quality of life of the Caregivers of children operated for spina bifida practicing clean intermittent catheterization in Northwestern India
3. A Randomised Control Study comparing Primary versus Rotational flap closure in Pediatric Open Neural tube defects

**Ongoing Project: - As Co-investigator:**

1. Determination of the role of circulatory long non-coding RNA Arid 2- IR, Erbb4- IR and H 19 as a diagnostic biomarker for pediatric patients with chronic kidney disease due to congenital anomalies of kidney and urinary tract (intra-mural project)
2. A comprehensive evaluation of clinical, Anorectal manometry, and Quality of life in post-operative patients of Anorectal Malformation and Hirschsprung Disease
3. Use of indocyanine green In excision of Choledochal cysts and biliodigestive reconstruction in Pediatric patients
4. A comprehensive evaluation of clinical, Anorectal manometry, and Quality of life in post-operative patients of Anorectal Malformation and Hirschsprung Disease
5. Comparative evaluation of Tuoren and C-Mac Video laryngoscopes for intubation in neonates – a Randomized control study

**Scientific Awards/Patents**

1. Co-author for the best short paper : Management of Wilms tumor : our experience at a tertiary care hospital. 49th Annual Conference of the Indian Association of Pediatric Surgeons at Aurangabad 2nd – 5th November 2023
2. Co-author for the best Long paper : Robotics in Pediatric Surgery - Our experience at 19th Annual National Conference Of Pediatric Endoscopic Surgeons Of India- PESICON 2024, held between 7th – 10th March at Agra.
3. Co-author for the best Karl Storz video : Laparoscopic Kasai Portoenterostomy : our experience at a tertiary care institution at 19th Annual National Conference Of Pediatric Endoscopic Surgeons Of India - PESICON 2024, held between 7th – 10th March at Agra.
4. Co-author for the best short paper : Mesenteric lipomatous tumours in pediatric population - our experience with two cases at 5th Annual Conference Of The Association Of Pediatric Surgical Oncology 2023, held on 9th and 10th December at Chennai.
5. Co-author for the best long case Video : Three- port Laparoscopic Retroperitoneal Lymphnode dissection (L-RPLND) – A Case Report. At 11TH Annual Conference Of The Society Of Pediatric Urology - Indian Association Of Pediatric Surgeons 2023 held between 1st – 3rd September 2023 at Nagpur.
6. Co-author for the best short paper: Laparoscopic Management of renal tumors : Our experience at 11TH Annual Conference Of The Society Of Pediatric Urology - Indian Association Of Pediatric Surgeons 2023 held at between 1st – 3rd September 2023 at Nagpur.
7. Co-author for the best short case Video: Laparoscopic ureteric reimplantation for ectopic ureter at 11th Annual Conference Of The Society Of Pediatric Urology - Indian Association Of Pediatric Surgeons 2023 held at between 1st – 3rd September 2023 at Nagpur.

8. Co-author for the best Karl Storz video (Runner-Up): Laparoscopic Nephroureterectomy and Lymph Node Sampling at 19th Annual National Conference Of Pediatric Endoscopic Surgeons Of India - PESICON 2024, held between 7th – 10th March at Agra.

**National/ International Conferences attended:**

1. Attended the Midterm Pediatric Hemato-Onco conference (PHOCON) at All India Institute Of Medical Sciences, Jodhpur from 21st – 23rd July 2023
2. Attended “International Children’s Continence Society Meeting and UDS workshop” on 30th September – 1st October 2023 at PGIMER, Chandigarh
3. Attended the 49th Annual Conference of the Indian Association of 1Pediatric Surgeons at Aurangabad from 2nd – 5th November 2023
4. Attended the 5th Deccan Conference in Pediatric Urology held from 19th – 21st January 2024 at Panjim, Goa.
5. Completed the “Good Clinical Practice” training course from Global Health Training Centre on 5th February 2024
6. Attended Fetal Surgery and Urinary Incontinence surgery twin conference held at Mumbai from 22nd – 24th March 2024
7. Attended the Cadaveric Organ Retrieval Workshop held at All India Institute Of Medical Sciences, Jodhpur on 15th March 2024
8. Attended monthly Webinars and teaching programs conducted by Indian Association of Pediatric Surgeons

## Department of Pediatrics

S.No.	Name	Designation
1	Dr. Kuldeep Singh	Professor and Head
2	Dr. Jagdish Prasad Goyal	Professor
3	Dr. Daisy Khera	Professor
4	Dr. Prawin Kumar	Additional Professor
5	Dr. Varuna Vyas	Additional Professor
6	Dr. Aliza Mittal	Additional Professor
7	Dr. Bharat Choudhary	Additional Professor (Trauma and Emergency)
8	Dr. Siyaram Didel	Associate Professor
9	Dr. Lokesh Saini	Assistant Professor

### About the Department :

Department of Pediatrics is one of the unique clinical departments which cater to all children less than 19 years who require diagnostic, curative, rehabilitative and intensive care including pre-post operative care for children undergoing any minor and major surgery. The department also caters to children requiring day-care for diagnostic and therapeutic procedures. The department is using innovative teaching methods for engaging students and also active in domain of public health.

The Department of Pediatrics at AIIMS Jodhpur achieved significant milestones during the year 2023-24. On the occasion of the 1<sup>st</sup> Research Day held in January 2024, the department was awarded a trophy for being one of the best departments, a testament to its excellence and dedication. Multiple research awards were also won in various categories on this day.

Department successfully conducted a CME on Childhood Asthma on World Asthma Day. On 2nd May 2023, they organized a Cystic Fibrosis Workshop at Dr. SN Medical College and Hospital, Jodhpur in August 2023. In March 2024, the 2nd Pediatric Pulmonology Update was held along with a Cystic Fibrosis Meet for parents and clinicians at AIIMS Jodhpur.

The department also hosted the 3rd Annual Pediatric Kidney Meet, an IPNA-endorsed AIIMS Jodhpur Pediatric Nephrology CME cum Workshop, over two days with a fund of 7000 USD from IPNA, with Dr. Aliza Mittal serving as the Organizing Secretary. A significant milestone was achieved with the 1<sup>st</sup> Pediatric Transplant in collaboration with the Adult Nephrology department in July 2023. Additionally, the department organized the 8th MIDTERM PHO CME, the first PHO national activity in Rajasthan, to raise awareness about various Pediatric Hematology Oncology disorders for better outcomes through early suspicion, timely referral, diagnosis, and optimal management.

The Department of Pediatrics at AIIMS Jodhpur was part of the multidisciplinary team involved in the surgical management of a child suffering from primary dystonia due to a KMT2B mutation, which was a landmark achievement in the history of this institute. Precht's general movement advanced course was conducted in December 2023 with Dr Lokesh Saini as the program coordinator.

The department is an institute in itself with multiple courses and Center of Excellence. Faculty of the department received several prestigious national and international awards for their outstanding work in various subspecialties:

The dedication and teamwork of our faculty, staff, and students are driving forces behind our continued growth and excellence in pediatric care and research.

### Compiled list of Publications of the department

#### Papers PubMed Indexed:

1. Joshi V, Joshi NK, Bhardwaj P, Singh K, Ojha D, Jain YK. The Health Impact of mHealth Interventions in India: Systematic Review and Meta-Analysis. Online Journal of Public Health Informatics. 2023 Sep 4;15:e50927.
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3. Dolat Singh Shekhawat, Charu Sharma, Nayan Tada, Pratibha Singh, Kuldeep Singh, "Not all De novo Robertsonian translocations are truly De novo" - A thought-provoking perspective, Taiwanese Journal of Obstetrics and Gynecology, Volume 63 (Accepted March 2024)
4. Mohammad N, Tak V, Bohra GK, Gadepalli R, Sharma A, Singh K, Nag VL. Molecular appraisal of Giardia intestinalis from Western India: A prospective observational study. Trop Parasitol. 2024 Jan-Jun;14(1):36-44.
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62. Utility of Telemedicine in Care of Children with Chronic Renal Diseases – An Experience from India Vishnu Dev, Aliza Mittal, Jitendra Meena, Siyaram Didel, Akhil D. Goel, Puneet Parik, Kuldeep Singh, Sanjeev Misra Abstracts of the Asian Congress of Pediatric Nephrology 2023. *Asian Journal of Pediatric Nephrology* 6(2):p 73-184, Jul–Dec 2023
63. Shear Wave Elastography for Predicting Renal Fibrosis in Children. Khushi Tiwari, Aliza Mittal, Binit Sureka<sup>1</sup>, Aasma Nalwa<sup>2</sup>, Vikarn Vishwajeet<sup>2</sup>, Mithu Bannerjee<sup>3</sup>, Arvind Sinha<sup>4</sup>, Kuldeep Singh

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  66. Pediatric Nephrolithiasis in Western Indian Exploratory Profile of the Stone Belt Region of India Aliza Mittal, Vivek Parihar, Sadab Khan, Binit Sureka<sup>1</sup>, AS Sandhu<sup>2</sup>, Gautam Chaudhary<sup>2</sup>, Arvind Sinha<sup>3</sup>, Akhil D Goel<sup>4</sup>, Mithu Bannerjee<sup>5</sup>, Kuldeep Singh Abstracts of the Asian Congress of Pediatric Nephrology 2023. Asian Journal of Pediatric Nephrology 6(2):p 73-184, Jul-Dec 2023.
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  69. Exploring the Stone Belt for Childhood Renal Stones Aliza Mittal, Vivek Parihar, Arjun S. Sandhu<sup>1</sup>, Sadab Khan, Kuldeep Singh. Abstracts of the Annual Conference of the Indian Society of Pediatric Nephrology. Asian Journal of Pediatric Nephrology 6(2):p 185-212, Jul-Dec 2023.
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101. Gunasekaran PK, Tiwari S, Kumar A, Laxmi V, Saini L. Teaching NeuroImage: Neuroimaging Features of Wilson Disease. *Neurology*. 2024 Feb 13;102(3):e208078.
102. Gunasekaran PK, Jindal P, Laxmi V, Manjunathan S, Kumar A, Tandon M, Yadav T, Saini L. Knobloch Syndrome - Triad of Occipital Encephalocele, Retino-Choroidal Detachment and Epilepsy. *Indian J Pediatr*. 2024 Mar;91(3):306.
103. Chhajed M, Gunasekaran PK, Saini L. Marcus Gunn Jaw-Winking syndrome following endotracheal intubations. *Pediatr Neonatol*. 2024 Mar;65(2):192-193.
104. Rajial T, Gunasekaran PK, Manjunathan S, Singh K, Saini L. Phleboliths in digital vascular malformations in a child. *Pediatr Neonatol*. 2024 Mar;65(2):200-201.
105. Gunasekaran PK, Kumar A, Uk KK, Laxmi V, Tiwari S, Saini L. Skraban-Deardorff Syndrome in an Indian Child - A Very Rare Pathogenic Base Pair Deletion in WDR26 Gene. *Indian J Pediatr*. 2024 Mar;91(3):317.
106. Kumar A, Gunasekaran PK, Aggarwal D, Janu V, Manjunathan S, Laxmi V, Tiwari S, Saini L. Primary Diffuse Leptomeningeal Melanomatosis in an Indian Child With Review of Literature. *Pediatr Neurol*. 2024 Mar;152:23-29.
107. Sharma R, Kumar K, Aditya AS, Yadav S, Ghai B, Saini L, Yadav J, Madan P, Sharma A, Bhati A, Sharma D, Suri V. To Study the Distress, Anxiety, Depression, and Sleep Effects of the COVID-19 Pandemic on Essential Workers. *Indian J Community Med*. 2024 Mar-Apr;49(2):424-428. doi: 10.4103/ijcm.ijcm\_140\_23. Epub 2024 Mar 7
108. Saini L, Gunasekaran PK, Tiwari S. An Unusual Etiology for Intense Pruritus: Os Odontoideum with Atlantoaxial Dislocation. *Indian Pediatr*. 2024 Mar 27:S097475591600620.
109. Manjunathan S, Gunasekaran PK, Laxmi V, Kumar A, Saini L. Cogan's Lid Twitch Sign in a Child with Congenital Myasthenia. *Neuropediatrics*. 2024 Apr;55(2):148.
110. Gunasekaran PK, Uk KK, Gupta R, Kumar L, Saini L. Eating Epilepsy in an Acute Lymphocytic Leukemia Survivor. *Indian J Pediatr*. 2024 Apr 3.

- 111.Saini L, Gunasekaran PK, Tiwari S, Choudhary B, Manjunathan S, Kumar A. Familial hemiplegic migraine in Indian children-a tertiary center experience. J Trop Pediatr. 2024 Apr 5;70(3):fmae008..

#### Non-Pubmed Indexed:

1. Rajvanshi, Nikhil; Kumar, Prawin; Goyal, Jagdish Prasad; Masand, Rupesh1; Bhardwaj, Anubhuti2. Role of Dysbiosis and Leaky Gut Syndrome in Allergic Manifestations. Journal of Pediatric Pulmonology 2(Supp1 2):p S105-S111,
2. Lokesh Saini, Divya Agarwal, Debasish Barman, Sarbesh Tiwari, Vikas Janu, Pramod Kumar, Siyaram Dide. Rare diagnoses are not rare now – Think beyond tuberculosis, PDLN in a young child. Pediatric Hematology Oncology Journal, Volume 8, Issue 4, Supplement, 2023, Page S83, ISSN 2468-1245. <https://doi.org/10.1016/j.phoj.2023.10.213>.
3. Sagar Kamath, Debasish Barman, Kuldeep Singh, Aliza Mittal, Varuna Vyas, Henuka Verma, Siyaram Didel, Abhishek Purohit. Bharat Choudhary, Daisy Khera, Vidhi Jain. Clinical, biochemical and microbiological profile of paediatric acute leukemia patients having febrile neutropenia while on chemotherapy - A cross sectional study. Pediatric Hematology Oncology Journal, Volume 8, Issue 4, Supplement, 2023, Page S32, ISSN 2468-1245. <https://doi.org/10.1016/j.phoj.2023.10.081>.

**Name of Faculty: Dr Kuldeep Singh**

**Designation: Professor and Head**

#### Books/Chapters

1. Singh K. Contributed to “Genetic Counseling”. In: A Practical Manual of Fetal Medicine for Beginners, Sharma c, Singh P (editors), 1<sup>st</sup> edition, Jodhpur, AIIMS Jodhpur 2023.
2. National Medical Commission, Professional Conduct Review (Lessons from Case Archives) Sept 2023, Vol I, Ed- Yogender Malik, Publication Division, NMC, India,
3. National Medical Commission, Professional Conduct Review (Lessons from Case Archives) Vol II, Ed- Yogender Malik, Publication Division, NMC, India

#### Papers Presented:

1. Shagufta Anjum, Charu Sharma, Dolat Singh Shekhawat, Nayan Tada, Pratibha Singh, **Kuldeep Singh**. Prenatal diagnosis of deletional persistent haemoglobin F (Hb F) disease – a diagnostic challenge. 6<sup>th</sup> Hematology Update, 10-11 February 2024, AIIMS Jodhpur.
2. Dr. Nayankumar G Tada, Dr. Kuldeep Singh, Dr. Meenakshi Gothwal, Dr. Tanuja Rajjal. Fetal Coarctation of Aorta to Neurovisceral Symptoms: An Unusual Presentation of Inborn Error of Immunity. Indian Academy of Medical Genetics(IAMG) 2023, 1-3 December 2023, Gurugram.
3. Dr. Nayankumar G Tada, Dr. Kuldeep Singh, Dr. Meenakshi Gothwal, Dr. Daulat S Shekhawat. Nonimmune hydrops fetalis due to homozygous mutation in RAPSN gene. IAMG 2023, 1-3 December 2023, Gurugram.
4. Dr. Arun Sree Parameswaran, Dr. Lokesh Saini, Dr. Taruna Yadav, Dr. Ashna Kumar, Dr. Veena Laxmi, Dr. Tanuja Rajjal, Dr. Kuldeep Singh. Fibrodysplasia ossificans progressiva : a treatable skeletal dysplasia, National Conference of the Indian Academy of Pediatrics(PEDICON), 24-28 January 2024, Kochi.

#### Invited Lectures

1. CME on “Inborn Errors of Metabolism (IEM)-multifaceted and not so rare”. 19 November 2023, Jawaharlal Institute of Post-Graduate Medical Education and Research (JIPMER), Puducherry.

### **Symposium Speaker**

1. Genetics: Which test to Choose, Fetal medicine, Diagnostic and Basic Interventional Procedures in Fetal Medicine Hands on Workshop, 27 October 2023, AIIMS, Jodhpur
2. Newborn Screening: Outcomes and Social Implications, 57<sup>th</sup> Asia-Pacific Advanced Network (APAN) Conference, 31<sup>st</sup> January 2024, Bangkok, Thailand (Online)

### **Resource Faculty:**

1. Capacity Development for Experts invited by National Medical Commission (NMC) for opinion on Medico-legal cases, 22 February 2024, State Medical Council, Rajasthan, Jaipur
2. Capacity Development for Experts invited by National Medical Commission (NMC) for opinion on Medico-legal cases, March 2024, State Medical Council, Madhya Pradesh, Bhopal.

### **Research Project:**

#### **Ongoing:**

#### **As Principal Investigator**

1. Establishment of NIDAN Kendra in Rajasthan, Department of Biotechnology, Government of India (Extramural)
2. Genome India; Cataloguing the Genetic Variation in India, Health DBT(Extramural)
3. Health Technology Assessment Resource Center, AIIMS Jodhpur by Department of Health Research (Extramural)
4. Global Health Research center for Multiple Long-Term Conditions, National Institute for Health and Care Research, UK(Extramural)
5. Satellite Tribal Health Research Center, Abu Road, Sirohi (Extramural)

#### **As Co-Investigator -**

1. Setting up of registry and targeted exome sequencing in children with renal tubular disorders- Extra-Mural Project- ICMR Funded, Collaborating Institute: AIIMS Bhopal, JIPMER Pondicherry, St John's Bangalore, AIIMS New Delhi
2. Efficacy of low dose, short course prednisolone regimen for relapse of steroid sensitive nephrotic syndrome in children: A multicenter, randomized, placebo-controlled trial: Multi centric RCT funded by DHR, Collaborating Institute: AIIMS New Delhi, JIPMER Pondicherry, St John's Bangalore, AIIMS Bhopal
3. Ambulatory blood pressure nomogram derivation for Indian children: A pioneer study, Funded by ICMR, proposal ID-2021-12175. Collaborating Institute: AIIMS Bhopal

#### **Completed:**

#### **As Principal Investigator**

1. Hospital Based Surveillance for Streptococcus Pneumoniae and other Invasive bacterial Diseases (HBSSIBD) Phase 2 completed.

### **Scientific Awards/Patents**

2. Patent- “**Corona Umbrella**” granted on 7<sup>th</sup> March 2024 (Patent No- 521430). Nikhil Kothari, Kuldeep Singh

### Examinership

1. External Examiner, DM Medical Genetics Examination, May 2023, AIIMS Delhi.
2. External Examiner, DM Medical Genetics Examination, SGPGIMS, Lucknow, December 2023

### National/ International Conferences attended:

1. Review meeting of National Institute for Health and Care Research (NIHR) supported project “NIHR Global Health Research Center for Multiple Long-Term Conditions”, at University of Leicester, UK 20-23 September 2023
2. Indian Academy of Medical Genetics Conference, IAMGCON 2023, Gurugram, 1-3 December 2023.

### Name of Faculty: Dr. Jagdish Prasad Goyal

### Designation: Professor

### Papers Presented:

1. **Goyal JP**, K Komal S, Kumar P, Singh S. Comparison of telemedicine vs. in-person visit for control of asthma in children A randomized controlled trial at 22nd International Congress of Pediatric Pulmonology (CIPP) 22nd International Congress of Pediatric Pulmonology (CIPP) at Antibes, French Riviera (France) on 29th June to 2nd July 2023 at Antibes, French Riviera (France)
2. Kumar P, **Goyal JP**, Singh K. Prevalence and impact of aeroallergen sensitization in asthmatic children: a cross-sectional study from India” in Antibes, French Riviera (France) from 29th June to 2nd July 2023
3. Rajvanshi N, **Goyal JP**, Kumar P. HFNC vs low flow oxygen during bronchoscopy: A randomized controlled trial. 35th National Conference of IAP Respiratory Chapter (RESPICON), 3-4th November 2023 in Kolkatta
4. Kumar P, **Goyal JP**, Singh K. Congenital Airway Malformation: A Retrospective Study from Western India, 35th National Conference of IAP Respiratory Chapter (RESPICON), 3-4th November 2023 in Kolkatta
5. Saurabh A, **Goyal JP**, Singh K. Childhood Asthma Control Test (CACT), Asthma Control Test (ACT) and Asthma Control Questionnaire (ACQ) vs GINA for asthma control in children. 35th National Conference of IAP Respiratory Chapter (RESPICON), 3-4th November 2023 in Kolkatta

### Invited Lectures:

1. “Update in Asthma” in the 3rd Advanced Asthma Course of the IAP National Respiratory Chapter on 26-27 August 2023 at Bhubaneshwar.
2. “Management of CF Lung Disease” organized by the IAP National Respiratory Chapter on the occasion of World CF Day on September 8, 2024
3. “Vitamin D and Respiratory Health” in Dr I.C. Verma Excellence in Research Award, on October 15, 2023, at AIIMS, New Delhi
4. “Post Infectious Bronchiolitis Obliterans” at the 35th National Conference of IAP National Respiratory Chapter on 3-5 November 2023 in Kolkatta

5. "Pulmonary Function Test" in the 4th Advanced Asthma Course of the IAP National Respiratory Chapter on 23-24 December 2023 at Indore
6. "Management of Pediatric Asthma" at the 57th Annual Conference of Allergy, Asthma, and Applied Immunology held at Jaipur on 4-7 January 2024.

**Resource Faculty:**

1. Respicon 2023, Pediatric Pulmonology Update, Kolkata, 3<sup>rd</sup> -4<sup>th</sup> November 2023

**Research Project:**

**Ongoing:**

**Chief Investigator**

1. Improve diagnosis and management of cystic fibrosis (CF) by capacity building of medical college hospitals across India and developing registry (Extramural -ICMR funded)

**Co-Investigator**

1. Implementation of Antimicrobial Stewardship in various tertiary care centers in India. (Extramural-ICMR funded)

**Scientific Awards/Patents:**

1. Dr IC Verma's Excellence in Research Award 2023

**Examinership:**

1. External examiner for DM in Pediatric Pulmonology at PGI Chandigarh for the December 2023 session

**Membership/Post in Journal or Society or Association:**

1. Honorary Secretary, Indian Academy of Pediatrics 2023-24
2. Editor, Journal of Pediatric Pulmonology, An official Journal of IAP National Respiratory Chapter.

**National/ International Conferences attended:**

1. Attended 22nd International Congress of Pediatric Pulmonology (CIPP)" and presented a paper on Comparison of telemedicine vs. in-person visit for control of asthma in children: A randomized controlled trial, at Antibes, French Riviera (France) from 29th June to 2nd July 2023
2. Attended Pediatric Pulmonology Conclave and participated as a panelist in difficult cases of TB in children at Gurugram on 23-24 September 2023.
3. Participated as faculty in the 3rd Advanced Asthma Course of the IAP National Respiratory Chapter at Bhubaneswar on 26-27 August 2023.
4. Delivered an online talk on the Management of CF Lung Disease organized by the IAP National Respiratory Chapter on the occasion of World CF Day on September 8, 2024
5. Received Dr I.C. Verma Excellence in Research Award, at AIIMS, New Delhi on October 15, 2023.
6. Delivered a talk on Post Infectious Bronchiolitis Obliterans at the 35th National Conference of IAP National Respiratory Chapter in Kolkata on 3-5 November 2023.



7. Participated as faculty in the 4th Advanced Asthma Course of the IAP National Respiratory Chapter at Indore on 23-24 December 2023.
8. Delivered a talk on the Management of Pediatric Asthma at the 57th Annual Conference of Allergy, Asthma, and Applied Immunology held at Jaipur on 4-7 January 2024.
9. Participated as faculty in panel discussions on complicated pneumonia at the 61st Annual Conference of the Indian Academy of Pediatrics at Kochi on 24-28 January, 2024.

**Name of Faculty: Dr Daisy Khera**

**Designation: Professor**

#### **Books/Chapters**

1. Mahadevan S, *Khera D*, Chenthil A. Scorpion Envenomation. In: Remesh Kumar R. IAP Standard Treatment Guidelines. Indian Academy of Pediatrics, 2023; Chapter 86.

#### **Papers Presented:**

1. Dr Daisy Khera , Mr Suray Prakash , Dr Bharat Choudhary , Dr Mahima Singh , Dr Geethanjali Ramachandra. Level 2 and 3 Faculty Development Programme journey at a tertiary care institute in Western Rajasthan: Organizational changes and Quality Improvement introduced. Presented at SIMULUS-8 on 24<sup>th</sup> September 2023 at AIIMS Kalyani.
2. U N Pradeep Babu, Daisy Khera, Kuldeep Singh, Bharat Choudhary, Siyaram Didel. "Sedative and Analgesic Drug Rotation Protocol Versus Non-Rotation Protocol In Mechanically Ventilated Children: A Randomised Controlled Trial". Presented at Pedicriticon on 30<sup>th</sup> November 2023 held at Pune.
3. Sai Saranya Kanakam, Daisy Khera, Kuldeep Singh, Bharat Choudhary, Siyaram Didel. "Role of Modified Age Adjusted Q SOFA Score in Predicting Disease Severity and Mortality in Children with Suspected Bacterial Infection – A Single Center Prospective Cohort Study" Presented at Pedicriticon on 30<sup>th</sup> November 2023 held at Pune.
4. Vikas Yadav, Daisy Khera, Ashna Kumar, Veena Laxmi, Lokesh Saini. Seeing The Unseen- Managing The Great Imitator. Presented at Pedicriticon on 30<sup>th</sup> November 2023 held at Pune.
5. 'Impact of Structured Faculty Development Programme by PediSTARS India – Simulation training experience of a nursing officer from a tertiary care institute. Suray Prakash , Bharat Choudhary, Daisy Khera, Geethanjali Ramachandra. Presented at SIMULUS-8 on 24<sup>th</sup> September 2023 at AIIMS Kalyani.

#### **Sessions Chaired:**

1. Moderator for NBEMS Pediatric Critical Care webinar on 'Cardiopulmonary interactions' scheduled on 05-06-23.
2. Moderator for NBEMS Pediatric Critical Care webinar on 'Disease specific ventilation' held on 19-06-23.
3. Moderator for NBEMS Pediatric Critical Care webinar on 'Basics of mechanical ventilation' held on 31-07-23.
4. Moderator for NBEMS Pediatric Critical Care webinar on 'Ventilator graphics' held on 07-08-23.
5. Moderator for NBEMS Pediatric Critical Care webinar on 'Central line insertion and maintenance' held on 14-08-23.
6. Moderator for NBEMS Pediatric Critical Care webinar on 'Arterial line insertion and maintenance, Measurement of IAP' held on 28-08-23.

7. Moderator for NBEMS Pediatric Critical Care webinar on 'Hemodynamic monitoring in shock' held on 05-02-24.
8. Moderator for NBEMS Pediatric Critical Care webinar on 'Infection control/ outbreak control in PICU' held on 15-02-24.
9. Moderator for NBEMS Pediatric Critical Care webinar on 'Pain and sedation in PICU' held on 26-02-24.
10. Moderator for NBEMS Pediatric Critical Care webinar on 'Deresuscitation in shock' held on 16-03-24.
11. Invited faculty (moderator) for webinar STEP IN team of IAP ICC on the topic- Nursing approach to a PICU child with hemodynamic instability held on 5<sup>th</sup> July 2023.
12. Chairperson for a talk on "Enhancing care in Indian ICU- vital role of AMS in combating CRO" in ASPICON 2023 held on 29<sup>th</sup> September to 1<sup>st</sup> Jodhpur at AIIMS Jodhpur.

#### **Invited Lectures**

1. Invited faculty for talk on "Critical Illness Myopathy – Assessment using ultrasound" in the workshop on "Point of Care Ultrasound in Critically Ill Patients" organized by Department of Pediatrics, Chacha Nehru Bal Chikitsalaya, Delhi in association with Pediatric Conference of North India, IAP Delhi on 18<sup>th</sup> September 2023 at Chacha Nehru Bal Chikitsalaya, Delhi.
2. Invited faculty for preconference workshop on "Redefining Emergency Skills and Scenario Training using Simulation" in Pedicriticon held on 30<sup>th</sup> November 2023 at Pune.
3. Invited faculty for a panel discussion on 'Oxygen therapy' at Pedicriticon 2023 from 1<sup>st</sup> to 3<sup>rd</sup> December 2023 held at Pune.
4. Observer faculty of Faculty Development Program at SIMULUS 8 conference on 25-26<sup>th</sup> September 2023 held at AIIMS Kalyani.
5. Speaker for DrNB Pediatric Critical Care webinar- gave a talk on the topic "Critical illness myopathy- use of USG in assessment" on 09-10-23.
6. Speaker for DrNB Pediatric Critical Care webinar- gave a talk on the topic "Care of a child on ventilator" on 30-10-23.
7. Speaker for a ToT on 'RECIPE' module at Pedicon held on 24<sup>th</sup> January 2024 at Kochi.

#### **Resource Faculty:**

1. Resource faculty for a ToT on 'RECIPE' module at Pedicon held on 24<sup>th</sup> January 2024 at Kochi.

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator:**

1. Fluid therapy in children with septic shock: Determining optimal volume of fluid boluses - a multicentric project. (Non- funded)
2. Effectiveness of simulation-based training of Pediatric residents and nurses on their knowledge, skill, and practice regarding central line care maintenance bundle in PICU and decrease in CLABSI rates: a quality improvement study. (Non-funded)

##### **Co-Investigator:**

1. "Congenital Rubella Syndrome Surveillance in India": multicentric extramural project funded by ICMR, Delhi.

2. "Hospital based Sentinel Surveillance for streptococcus Pneumonia and other Invasive bacterial diseases in India": multicentric extramural project funded by UNDP.
3. "Ascertaining the spectrum of CFTR mutations by NGS based approach towards creation of a panel of markers for diagnosis and standardization of cost-effective genotyping assay-a multicenter study", an extramural project funded by ICMR.
4. "Capacity Building and Strengthening of Hospital Infection Control to detect and prevent antimicrobial resistance in India" multicentric extramural project funded by CDC and ICMR

#### **Completed:**

##### **As Principal Investigator**

1. Effectiveness of a PICU bundle to reduce delirium in critically ill children: non-funded project.
2. "Assessment of parent satisfaction with care in pediatric intensive care unit: A prospective observational study", non-funded project.
3. Development and Validation of **Indian Children Length-Based Tape** (InChiTape) for use in Pediatric Emergency Room During Resuscitation- a multicentric project.

##### **As Co-Investigator**

1. To study the sensitivity, specificity and positive predictive value of neutrophil parameters [neutrophil-granularity-intensity (NEUT-GI) and neutrophil-reactivity-intensity (NEUT-RI)] in diagnosis of sepsis as compared to existing sepsis markers in pediatric emergency and intensive care unit, AIIMS Jodhpur.(Non-funded study)
2. Clinical, biochemical and microbiological profile of paediatric acute leukemia patients having febrile neutropenia while on chemotherapy-A cross sectional study (Non-funded study)
3. Neuroimaging spectrum in COVID-19 infection: a single-center experience (Non-funded study)
4. Clinical profile, follow-up, and role of neuroimaging in pediatric Guillain-Barré syndrome in the COVID era: an ambispective study (Non-funded study)
5. "MR patterns and Perfusion changes of Posterior Reversible Encephalopathy Syndrome in Children". (Non-funded study)

#### **Scientific Awards/Patents**

1. Awarded level 3 certification as a Simulation trainer by PediSTARS on 24<sup>th</sup> September 2023.

#### **Examinership**

1. Internal Examiner for the theory and practical examination of MD Pediatric Medicine exam at AIIMS Jodhpur, in May 2023 and Dec 2024

#### **Membership/Post in Journal or Society or Association**

1. NBEMS National Coordinator in the specialty of Pediatric Critical Care for conduction and coordination of National Live Webinar series for DrNB Pediatric Critical Care residents across the country.
2. NBEMS Specialist board member for DrNB course in Pediatric critical care.
3. Became life member of PediSTARS.
4. Executive member of IAP Women wing Rajasthan State.

**National/ International Conferences attended:**

1. Pedicriticon 2023 organised by IAP Intensive Care Chapter and IAP Pune held at Pune from 30<sup>th</sup> November to 3<sup>rd</sup> December 2023.
2. Workshop on "Point of Care Ultrasound in Critically Ill Patients" organized by Department of Pediatrics, Chacha Nehru Bal Chikitsalaya, Delhi in association with Pediatric Conference of North India, IAP Delhi on 18<sup>th</sup> September 2023 at Chacha Nehru Bal Chikitsalaya, Delhi.
3. SIMULUS 8 conference organized by AIIMS Kalyani on 25-26<sup>th</sup> September 2023 held at AIIMS Kalyani.
4. Preconference workshop; ToT on RECIPE module at Pedicon organized by IAP Kochi held on 24<sup>th</sup> January 2024 at Kochi.

**Name of Faculty: Dr. Prawin Kumar****Designation: Additional Professor****Books/Chapters:**

1. Hypersensitivity Pneumonitis in Pediatric Pulmonology by IAP National Respiratory Chapter (2023)
2. Bronchoscopy and Bronchoalveolar Lavage in Essential Pediatric Pulmonology, 4<sup>th</sup> Edition (2023)
3. Esophageal pH Monitoring in Essential Pediatric Pulmonology, 4<sup>th</sup> Edition (2023)
4. Unusual TB in Essential of Tuberculosis in Children. 5<sup>th</sup> Edition (2023)
5. Brochial Asthma in UG textbook of Pediatrics. 1<sup>st</sup> Edition (2024)

**Papers Presented:****International**

1. Prawin Kumar, Bhagyashree Bhardwaj, Jagdish P Goyal, Kuldeep Singh. Prevalence and impact of aeroallergen sensitization in asthmatic children: a cross-sectional study from India at 22<sup>nd</sup> International Congress of Pediatric Pulmonology (CIPP) from 29<sup>th</sup> June to 2<sup>nd</sup> July 2023 (Poster presentation) in Antibes, French Riviera (France).

**National**

2. **Prawin Kumar**, Nikhil Rajvanshi, Kalyanaprabhakar B, Jagdish Prasad Goyal. Congenital Airway Malformation: A Retrospective Study from Western India. at the **35<sup>th</sup> National Conference of IAP Respiratory Chapter (RESPICON)** on 3-4<sup>th</sup> November 2023 in Kolkatta (**Poster presentation**).
3. Rajvanshi N, Goyal JP, **Kumar P**. HFNC vs low flow oxygen during bronchoscopy: A randomized controlled trial. 35<sup>th</sup> National Conference of IAP Respiratory Chapter (RESPICON), 3-4<sup>th</sup> November 2023 in Kolkatta.
4. Saurabh A, Goyal JP, **Kumar P**, Singh K,. **Childhood Asthma Control Test (CACT), Asthma Control Test (ACT) and Asthma Control Questionnaire (ACQ) vs GINA** for asthma control in children at 35<sup>th</sup> National Conference of IAP Respiratory Chapter (**RESPICON**), 3-4<sup>th</sup> November 2023 in Kolkatta
5. Janki Kumari, **Prawin Kumar**, Jagdish Prasad Goyal, Kuldeep Singh. **Sleep Hygiene Practice and Daytime Sleepiness in Adolescents: A Quality Improvement Study** at 35<sup>th</sup> National Conference of IAP Respiratory Chapter (**RESPICON**), 3-4<sup>th</sup> November 2023 in Kolkatta

**Sessions Chaired:**

1. **“Cilia Basic”** in PCD workshop on 9<sup>th</sup> March in Coimbatore.

#### **Invited Lectures:**

1. **Child with Chronic Hypoxia** at the “35<sup>th</sup> Annual Conference of the Indian Academy of Pediatrics, Respiratory Chapter, RESPICON 2023”, on 3-4<sup>th</sup> November 2023 at Kolkatta.
2. Cystic fibrosis at AIIMS Jodhpur at Cystic Fibrosis Day Celebration” on 29<sup>th</sup> October 2023 at AIIMS New Delhi.
3. **Pediatric Bronchoscopy- tips and tricks** in “BroncoCon Silver” on 25<sup>th</sup> -27<sup>th</sup> August 2023 in Mumbai.

#### **Resource Faculty:**

1. RESPICON 2023, 3-4<sup>th</sup> November 2023, Kolkata.
2. Pediatric Pulmonology Update, AIIMS Jodhpur
3. Cystic Fibrosis Day at AIIMS, New Delhi, 29 October 2023

#### **Research Project:**

##### **Ongoing:**

##### **As Co-Investigator**

1. Improve diagnosis and management of cystic fibrosis (CF) by capacity building of medical college hospital across India and developed registry (Extramural -ICMR funded)

##### **Completed:**

##### **As Principal Investigator**

1. Evaluation of Sleep Related Breathing Disorders in Children with Asthma: A Questionnaire Based Cross-Sectional Study (Intramural non-funded project)

##### **As Co-Investigator**

1. To develop an acute respiratory infection treatment unit (ATU) and assess its utility in improving healthcare and research in pneumonia-related morbidity and mortality in India. (INCLEN)- extramural
2. Hospital-based Sentinel Surveillance for S. pneumoniae and other Invasive Bacterial Diseases: a multicentric study (ICMR, NIE, Chennai).

#### **Scientific Awards/Patents:**

1. **Diploma in Allergy and Asthma (DAA)** from **Christian Medical College (CMC)** Vellore, India, in collaboration with International Asthma Services, USA
2. **Certificate course in Pediatric Sleep medicine** From National University Hospital (NHU), Singapore.

#### **Membership/Post in Journal or Society or Association :**

1. Indian Association of Bronchology (IAB)
2. World Association for Bronchology and Interventional Pulmonology (WABIP)

**National/ International Conferences attended:**

1. 22<sup>nd</sup> International Congress of Pediatric Pulmonology (CIPP) in Antibes, French Riviera (France) from 29th June to 2nd July 2023
2. 35<sup>th</sup> Annual Conference of the Indian Academy of Pediatrics, Respiratory Chapter, RESPICON 2023", at Kolkatta on 3-4th November 2023.
3. Annual Conference of Allergy Disease "ALLERGOCON 2024, 11-13 January 2023 at CMC Vellore, Chennai.
4. The 25<sup>th</sup> Annual Conference of the Indian Association of Bronchology, BroncoCon Silver, will be held from 25 to 27 August 2023 in Mumbai.
5. Primary Ciliary Dyskinesia (PCD) and Airway Clearance Therapy (ACT), on 9th March 2024 at G. Kuppuswamy Naidu Memorial Hospital, Coimbatore.

**Name of the Faculty: Dr Varuna Vyas**

**Designation: Additional Professor**

**Invited Lectures.**

1. Emergencies in Type 1 Diabetes- Hypoglycemia; Indian Society of Pediatric and Adolescent Endocrinology's - ISPAE Diabetes Education And Learning- IDEAL Program Batch 5 Online on May 3, 2023.
2. Emergencies in Type 1 Diabetes- Hypoglycemia; Indian Society of Pediatric and Adolescent Endocrinology's - ISPAE Diabetes Education And Learning- IDEAL Program Batch 6 Online on September 20, 2023
3. Emergencies in Type 1 Diabetes- Hypoglycemia; Indian Society of Pediatric and Adolescent Endocrinology's - ISPAE Diabetes Education And Learning- IDEAL Program Batch 7 Online on February 21, 2024.

**Ongoing Research Project (as PI):**

1. Immuno-clinical characterization of Diabetes Mellitus in children and adolescents (Intramural and funded)

**Name of Faculty: Dr Aliza Mittal**

**Designation: Additional Professor**

**Book chapter:**

1. **Mittal A**, Yadav T, Sureka B. Normal Radiological Anatomy and Anatomical Variants of the kidney. Atlas of Radiology in Pediatric Kidney Disorders. Sidharth Sethi. 1<sup>st</sup> Edition, New Delhi, Springer, 2023 Accepted for publication

**Papers Presented:**

1. **Mittal A, Parihar V, Khan S, Sureka B, Sandhu AS, Chaudhary G, Sinha A, Goel AD, Bannerjee M, Singh K** Exploring the Stone Belt for Childhood Renal Stones - ISPNCON 2023, 13-14<sup>th</sup> October 2023, Hotel ITC Sonar, Kolkata- as free paper
2. **Mittal A, Parihar V, Khan S, Sureka B, Sandhu AS, Chaudhary G, Sinha A, Goel AD, Bannerjee**

**M, Singh K** Pediatric Nephrolithiasis in Western Indian Exploratory Profile of the Stone Belt Region of India- ACPN 2023, 23-25<sup>th</sup> November 2024, Hotel Meridien, Dubai , UAE Presented as poster

- 3. Dev V, Mittal A, Meena J, Didel D, Goel AD, Parik P, Singh K, Misra S** Utility of Telemedicine in Care of Children with Chronic Renal Diseases – An Experience from India- ACPN 2023, 23-25<sup>th</sup> November 2024, Hotel Meridien, Dubai , UAE Presented as poster,

#### **Sessions Chaired:**

1. PK - PD in Clinical Practice', ASPICON 2023 on 1st October 2023, Auditorium, AIIMS Jodhpur

#### **Invited Lectures and Symposium speaker**

1. Case presentation –SLE. - for Post graduate teaching and case presentation. 21<sup>st</sup> December 2023, Seminar room, in Department of Pediatrics Dr. SN Medical College, jodhpur
2. PD prescription writing: 1<sup>st</sup> IPNA endorsed PD workshop, 7<sup>th</sup> January 2024, SMS Medical College, Jaipur
3. Nephrolithiasis and Nephrocalcinosis ,NefPRO- Nephrology Education from a Pediatrics Residents Outlook (NefPRO) an ISPN initiative, 10<sup>th</sup> August 2023, Online mode
4. Panel discussion on Vaccination in Pediatric Nephrology, ISPNCON 2023,13-15<sup>th</sup> Octobr 2023, ITC Sonar, Kolkata

#### **Resource Faculty:**

1. Resource faculty for ISPN –Post graduate quiz, 2<sup>nd</sup> August 2023, Online Mode
2. Poster Judge, ASPICON 2023, 1st October 2023, AIIMS Jodhpur
3. PD insertion station: 1<sup>st</sup> IPNA endorsed PD workshop, 1<sup>st</sup> IPNA endorsed PD workshop, 7<sup>th</sup> January 2024, SMS Medical College, Jaipur

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

1. Setting up of registry and targeted exome sequencing in children with renal tubular disorders- Extra-Mural Project- ICMR Funded, Collaborating Institute: AIIMS Bhopal, JIPMER Pondicherry's John's Bangalore, AIIMS New Delhi
2. Efficacy of low dose, short course prednisolone regimen for relapse of steroid sensitive nephrotic syndrome in children: A multicenter, randomized, placebo-controlled trial: Multi centric RCT funded by DHR, Collaborating Institute: AIIMS New Delhi, JIPMER Pondicherry, St John's Bangalore, AIIMS Bhopal
3. Ambulatory blood pressure nomogram derivation for Indian children: *A pioneer study*, Funded by ICMR, proposal ID-2021-12175. Collaborating Institute: AIIMS Bhopal
4. Evaluation of children with Nephrolithiasis/ Nephrocalcinosis in a tertiary care center in western India
5. Short term review of Pediatric nephrology services in an upcoming tertiary care centre- A retrospective analysis. Non Funded.
6. Comparison of pRIFLE, AKIN, And KDIGO Criteria for Diagnosing Acute Kidney Injury and their Correlation with Outcomes in Hospitalized Children: A Prospective Observational Study

7. Indian registry and biorepository for patients with atypical hemolytic uremic syndrome- multi-centric project. Non funded. Collaborating with AIIMS, New Delhi
8. IPNA-ISP-N-RRT Registry: Non funded prospective data collection registry
9. Assessment of Genetic and Metabolic factors in children with renal stones presenting to a tertiary care hospital of western Rajasthan
10. Virtual Healthcare through Medical Students
11. Exploring the utility of various modalities of renal replacement therapy in children requiring RRT for acute conditions.

**As Co-investigator:**

1. Role of Klotho Protein Pediatric Nephrotic syndrome
2. Satellite center for tribal health and research (STHR) at Janjati Bhavan , Abu Road, Sirohi, Rajasthan
3. Telemedicine satisfaction survey among Tribal Population of district Sirohi, Rajasthan
4. Imaging pattern of Posterior Reversible Encephalopathy Syndrome in Children; A retrospective observational study
5. Plasmapheresis in pediatric patients

**Completed:**

**As Principal Investigator**

1. An exploratory study on epidemiology of renal involvement in Pediatric patients with COVID-19
2. Urine abnormalities in MISC in Children
3. Virtual Healthcare through Medical Students

**Examinership:**

1. MBBS internal examiner for Final 3<sup>rd</sup> prof MBBS Exam, AIIMS Jodhpur, 5-8<sup>th</sup> Dec 2023,

**Membership/Post in Journal or Society or Association**

1. North Zone Representative - Indian Society of Pediatric Nephrology for 2024-25
2. Member of the IPNA- International Pediatric Nephrology Association
3. Member of Indian Society of Pediatric Nephrology- Member of Website Committee , Member of News Bulletin Committee

**National/ International Conferences attended:**

1. ISPNCN 2023, Indian Society of Pediatric Nephrology in Kolkata (ITC Sonar) from 13-15<sup>th</sup> October 2023
2. 15<sup>th</sup> Asian Congress of Pediatric Nephrology organized by Asian Society of Pediatric Nephrology in Dubai at le Meridien Hotel from 23-25<sup>th</sup> November 2023



**Name of Faculty: Dr Siyaram Didel**

**Designation: Associate Professor**

**Papers / Poster Presented: As lead author**

1. Rare diagnoses are not rare now – think beyond Tuberculosis, PDLM in a young child Presented in PHOCON–18<sup>th</sup> -20<sup>th</sup> November 2023.
2. Assessment of nutritional anaemia and its significant predictors in children from age group of 1 month to 59 months in western Rajasthan – a hospital based cross sectional study, presented in PHOCON–18<sup>th</sup> -20<sup>th</sup> November 2023

**Sessions Chaired:**

1. Invited Faculty and Chairperson – 5<sup>th</sup> National Conference and Workshop on Antibiotics stewardship (ASPICON 2023) in India Sept 29<sup>th</sup> - Oct 1<sup>st</sup> 2023, AIIMS Jodhpur
2. PHOCON 23, Nov, 18-20<sup>th</sup>, 2023 Chennai
3. Hematology Update 2024 (10-11 Feb), AIIMS Jodhpur
4. End of Life Care: Bridging Health Care Professionals and Society Perspectives” (24 Feb 24, AIIMS Jodhpur)

**Invited Lectures:**

1. Invited as faculty for Pediatric Hematology Oncology Section of 61<sup>st</sup> PEDICON 2024, Kochi, Kerala. (24-28/01/2024)
2. Invited as faculty and Panelist “End of Life Care: Bridging Health Care Professionals and Society Perspectives” (24 Feb 24, AIIMS Jodhpur)
3. Invited Faculty and Chairperson – 5<sup>th</sup> National Conference and Workshop on Antibiotics stewardship (ASPICON 2023) in India Sept 29<sup>th</sup> - Oct 1<sup>st</sup> 2023, AIIMS Jodhpur
4. Invited Faculty - “**Desert Pedicon, Jaisalmer (Raj)2023, (13<sup>th</sup> Annual National Conference of IYCF Chapter of IAP, 9<sup>th</sup> National Conference of Human Milk Banking Association of India, 47<sup>th</sup> Rajasthan State Conference of IAP (Raj Pedicon) 2023**),03/11-05/11/2023.
5. Invited as an expert for one-day hemophilia awareness activity as “**INITIATIVE ON HEMOPHILIA CARE-VII**” on New Delhi, 17 April 2023.
6. Invited as expert for “National Sickle Cell Anemia Elimination Meeting under blood cell (NHM)” Jaipur on 11.12.2023.
7. Invited as expert and active member “Rare disease meeting at Udaipur under MoHFW,” for evaluation and improvement of rare disease policy in India-29/02-01/03/24

**Resource Faculty:**

1. 8<sup>th</sup> Annual Midterm Pediatric Hematology Oncology CME (21-23 July) and multiple workshops, ON 21-23<sup>RD</sup> July 2023, AIIMS Jodhpur

**Research Projects:**

**Ongoing Research Projects**

**As Principal Investigator -**

1. Association of Circulating free tumour DNA (cfDNA) and FDG-PET for evaluation of treatment response in patients of newly diagnosed lymphoma at a tertiary care centre in Western India (Intramural)
2. The Indian Childhood Cancer Survivorship Study (C<sub>2</sub>S study) After treatment completion registry of childhood cancers: Multicentre study' (Extramural)
3. Neurocognitive outcomes and physical quality of life in childhood cancer survivors – a hospital based ambispective observational study. (Intramural)
4. Evaluation of immunophenotypic aberrancies in cases of Acute leukemia by flow cytometry and their utility in cytogenetics and treatment outcome in children below 18 yrs of age. (Intramural)
5. "Burden of Pediatric Hematological and Oncological Emergencies: A Tertiary Care Center Experience from Western India – An Ambispective study " (Intramural)

#### **As Co-Investigator -**

1. Evaluation of common mutations during prenatal genetic testing in at-risk beta-thalassemia couples in Western Rajasthan
2. "Screening of Sickle Cell Disease (SCD) among Tribal Population in Aspirational district of Sirohi, Rajasthan - A Need Assessment & Awareness Initiative"
3. Use of furosemide stress test and cystatin-c as predictive Markers of acute kidney injury progression in children: A prospective cohort study
4. Prevalence & Characterization of Platelet Alloimmunization & role of ABO matched vs Cross Matched Platelet transfusion in Haemato-Oncology Patients: PLATO Trial
5. Clinical, biochemical and microbiological profile of Paediatric acute leukemia patients having febrile neutropenia while on chemotherapy – a cross sectional study
6. Study of histone regulatory markers EZH2 and H3K27me3 in mature B-cell Non-Hodgkin lymphomas and correlation with Ki67 and double/triple expressor status in Diffuse large B cell lymphomas
7. Digital droplet PCR technique- an alternative testing method for detection of chromosomal aneuploidies- under AIIMS Jodhpur DBT NIDAN Kendra.
8. To study the clinical and etiological profile and long-term outcomes of children with fungal infections "Prevalence of numerical chromosomal aberrations in acute lymphoblastic leukemia in western Rajasthan population: pilot study".

#### **Completed Research Projects**

##### **As Principal Investigator**

1. Effect of ready to use dietary intervention on iron deficiency anemia among 6 months to 59 months age group children in western rajasthan-a randomized control trial
2. Impact of Pre-treatment Tumour burden on Day 8 prednisolone response in Paediatric Acute lymphoblastic leukaemia
3. Impact of Baseline Serum LDH and blast percentage on D8 Steroid response and D35 MRD analysis in Paediatric Acute Lymphoblastic leukemia patients: A tertiary care center based retrospective analysis'

##### **As Co-Investigator**

1. Microbiological Characterization and molecular differentiation of Corynebacterium spp isolated from clinical specimen from a tertiary hospital from western Rajasthan.
2. Role of whole-body MRI in lymphoma staging: a comparison with composite reference standard including 18 F-FDG-PET/CT

3. Childhood cancer data collection and compilation from Rajasthan for - **A Situation Analysis of Childhood Cancer Care Services in India**” under Indian council of medical research: National Centre for Disease Information and Research (NCDIR), Bengaluru. (July –Sept 2021)
4. Lutetium-177 hydroxyapatite radiosynoviothrosis in Chronic inflammatory arthritis and refractory Arthropathies of the knee joint.
5. Clinical, biochemical and microbiological profile of paediatric acute leukemia patients having febrile neutropenia while on chemotherapy – a cross sectional study

#### **Membership/Post in Journal or Society or Association**

1. MoU with Cankids for supportive services for children affected with cancer
2. Become part of multicenter project on - The Indian Childhood Cancer Survivorship Study (C<sub>2</sub>S study) After treatment completion registry of childhood cancers: Multicentre study'
3. MoU between Department of Pediatrics (PHO Div.) and INPHOG (The Indian Pediatric Hematology Oncology Group) research foundation in a multicentre collaboration group in India which is dedicated for research and innovation in pediatric hematology oncology problems in India.

#### **National Conferences attended:**

1. Midterm PHOCON 23, AIIMS Jodhpur, July 21<sup>nd</sup> -23<sup>rd</sup> 2023
2. 5<sup>th</sup> National Conference and Workshop on Antibiotics stewardship (ASPICON 2023) in India, AIIMS Jodhpur ,Sept 29<sup>th</sup> - Oct 1<sup>st</sup> 2023
3. **Desert Pedicon, Jaisalmer (Raj)2023, (13<sup>th</sup> Annual National Conference of IYCF Chapter of IAP, 9<sup>th</sup> National Conference of Human Milk Banking Association of India, 47<sup>th</sup> Rajasthan State Conference of IAP (Raj Pedicon) 2023).**,03/11-05/11/2023
4. PHOCON 23, Nov, 18-20th, 2023 Chennai
5. 61<sup>st</sup> Pedicon 2024, Kochi, Kerala. (24-28/01/2024)
6. 6<sup>th</sup> HAEMATOLOGY UPDATE 2024” (10-11<sup>th</sup> Feb 24)
7. Rare disease meeting at Udaipur under MoHFW” for evaluation and improvement of rare disease policy in India, 29/02-01/03/24.

#### **Workshops attended**

1. Pediatric Transfusion Medicine” at PGICH, Noida, UP 01/04-02/04/2023
2. STANDARDISING AND OPTIMISING MRD AND GENETIC DIAGNOSTICS IN PAEDIATRIC ALL' conference and workshop” Department of Pediatric Hematology-Oncology, Tata Medical Center, Kolkata as part of ISCAL study. (19/01-21/01/2024)
3. Pediatric Hematology Registry Initiative workshop' as an expert at the Post Graduate Institute of Child Health, Noida on 20 February 2024.
4. End of Life Care: Bridging Health Care Professionals and Society Perspectives” , AIIMS Jodhpur, 24 Feb 2024.
5. Workshop on Cognitive & Psychological issues in Childhood Cancer Survivors” organized by Pediatric Oncology Div. AIIMS Delhi. (27 Feb 24)
6. Pediatric Hematology Certificate Course under Delhi IAP (May – Nov 23).

**Name of Faculty: Dr Lokesh Saini**

**Designation: Assistant Professor**

**Papers Presented:**

**As Primary Author**

1. Intermittent Clobazam therapy and febrile seizures recurrence- a double blind RCT (AOCN- Vellore- 8<sup>th</sup> to 10<sup>th</sup> February 2024)

**Sessions Chaired:**

1. Invited as a faculty to attend first pediatric movement disorder workshop by International Child Neurology Association, 7<sup>th</sup> July 2023.
2. Invited as faculty to attend first Pediatric Neuroimmunology update at PGI Chandigarh, 29-30 March 2024

**Invited Lectures:**

1. Participated in Child Neurocon Feb 2024, the 15th National conference of Association of Child Neurology at CMC Vellore. Delivered a Lecture and **organized a Neurodevelopmental Workshop at CMC Vellore**, 8-10 February 2023.
2. Participated in Annual National Conference of Academy of Pediatric Neurology, (Neuropedicon) 2023, Delivered a Lecture on Cerebral Palsy at the conference, 1<sup>st</sup> -3<sup>rd</sup> September 2023, Hotel Clarks Siraz, Agra.

**Resource Faculty:**

1. Participated in Child Neurocon Feb 2024, the 15th National conference of Association of Child Neurology on 8-10 February 2023 at CMC Vellore. Organized a Neurodevelopmental Workshop at CMC Vellore.
2. Part of Organizing team for Authorship workshop, good clinical practices and first annual Research Day on 13 January 2024 at AIIMS Jodhpur
3. Participated in Conference of Epilepsy (ECON )2023-presented a paper at the conference and arranged a quiz at the conference, 21-23 July 2023, Hotel Jaipur Marriott, Jaipur.
4. 4. Invited as a faculty to attend first pediatric movement disorder workshop by International Child Neurology Association, 7<sup>th</sup> July 2023, New Delhi.
5. 5. Invited as faculty to attend first Pediatric Neuroimmunology update, 29-30<sup>th</sup> March, PGI Chandigarh.

**Research Project:**

**Ongoing:**

**Chief Investigator**

1. Role of Pulse methylprednisolone in children with vasculitis due to Tubercular meningitis – An ambispective observational study (Intramural and Non-funded)
2. Profile and outcome of children diagnosed with GBS in a tertiary care centre in North India (Intramural and Non-funded)

3. Clinical profile and functional outcome of children diagnosed with immune-mediated CNS disorders in a tertiary care centre in North India (Intramural and Non-Funded)
4. Association of HLA class 1 Genotype with Carbamazepine/Oxcarbamazepine and Lamotrigine induced cutaneous adverse reactions among paediatric neurology patients in Rajasthan (Intramural and funded- grant 5 lakhs)

#### **Scientific Awards/Patents:**

1. Won International Scholarship Award 2023 by the American Academy of Neurology.
2. Won 6 Research Awards in various Research categories on the occasion of first Research Day at AIIMS Jodhpur, 13<sup>th</sup> January 2024
3. Awarded Prestigious San Servolo epilepsy fellowship 2024, sponsored by International League against Epilepsy at Venice (Italy)
4. Awarded Forderverein grant from ECCMID for the year 2024 for the work done on Neuroinfections.
5. Awarded bursary (2000 Euros) to attend European Epilepsy Conference at Rome (Italy) in 2024.
6. Awarded Best clinical grand rounds by Indian Journal of Pediatrics at AIIMS Delhi, 15/10/2023.
7. Completed a 6-month prestigious online EEG training (National Epilepsy Surgery Support Activity Network [NESSAN]) and stood all India first rank in the exit examination of the same. The pass percentage of the exam was mere 19 percent.
8. Pediatric Neuro Fellows have received various prizes in presentations and posters in various international and national conferences.
9. One of the Pediatric Neuro Fellow have received a bursary to attend international Child Neurology Conference in Cape Town (South Africa)
10. Gait as a clue to diagnosis –International Child Neurology Association, Delhi (07 July 2023)- 2<sup>nd</sup> prize
11. Aggressive immunotherapy in TBM vasculopathy- Neuroimmunology update -PGIMER, Chandigarh (29-30 March 2024)- 1<sup>st</sup> Prize

#### **Examinership:**

1. External examiner for MBBS students at S.N. Medical College, Jodhpur, 11<sup>th</sup> June 2024
2. External examiner for MBBS students at GMC Pali, 01/02/2024-03/02/2024

#### **Membership/Post in Journal or Society or Association:**

1. Served as editorial board member of prestigious Pediatric Neurology Journal

#### **National/ International Conferences attended:**

1. Participated in Child Neurocon Feb2024, the 15th National conference of Association of Child Neurology at CMC Vellore on 8-10 February 2023.
2. Invited as a faculty to attend first pediatric movement disorder workshop by International Child Neurology Association, 7<sup>th</sup> July 2023.
3. Participated in Annual National Conference of Academy of Pediatric Neurology, (Neuropedicon) 2023, Hotel Clarks Siraz, Agra, 1<sup>st</sup> -3<sup>rd</sup> September 2023.
4. Participated in Conference of Epilepsy (ECON) 2023, Jaipur, 1<sup>st</sup> -3<sup>rd</sup> September 2023
5. Part of Organizing team for Authorship workshop, good clinical practices and first annual Research Day at AIIMS Jodhpur, 13<sup>th</sup> January 2024.
6. Attended and presented papers in online sessions conducted by Association of Child Neurology India.

- Invited as faculty to attend first Pediatric Neuroimmunology update at PGI Chandigarh, 29-30<sup>th</sup> March 2024.

#### Any other information:

#### Workshops/Conferences Organized by the Department of Pediatrics:

- CME on Childhood Asthma on the occasion of World Asthma Day at AIIMS Jodhpur, 2nd May 2023
- 8<sup>th</sup> Annual Midterm Pediatric Hematology Oncology CME (21-23 July) and multiple workshops, AIIMS Jodhpur, 21-23<sup>RD</sup> July 2023
- Workshop on “Day today Hematology & Oncology for Pediatricians” – AIIMS Jodhpur, 21<sup>st</sup> July, 2023
- Workshop on “Nursing Workshop – Hemophilia and Thalassemia Care” – AIIMS Jodhpur, 21<sup>st</sup> July, 2023
- Workshop on: “How to practice Evidence Based Medicine” – AIIMS Jodhpur, 21<sup>st</sup> July, 2023
- Workshop on “Simulation Based Pediatric Hematology Oncology” – AIIMS Jodhpur, 21<sup>st</sup> July, 2023
- Cystic Fibrosis Workshop at Dr. SN Medical College and Hospital, Jodhpur on 11th August 2023.
- PTLS – Pediatric Trauma Resuscitation Module at National Institute of Health and Family Welfare (NIHFW) Delhi, 7-8 November 2023.
- Emergency Treatment and Triage workshop (ETAT) for medical officers and Nursing officers of Rajasthan – Three such workshops were organized physically in 2023 involving at least 50 Medical officers and Nursing officers, AIIMS Jodhpur.
- ‘Prechtl’s General Movements-advanced course’-AIIMS Jodhpur, 10-13 December 2023
- 3<sup>rd</sup> Annual Pediatric Kidney Meet- An International Pediatric Nephrology Association (IPNA) endorsed AIIMS Jodhpur workshop cum CME, AIIMS Jodhpur (LT -1 and Skills lab) on 20-21<sup>st</sup> January 2024.
- Hematology Update 2024, AIIMS Jodhpur. 21-23 January 2024.
- Cystic Fibrosis Meet” for parents and clinicians interested in cystic fibrosis at AIIMS Jodhpur on 2nd March 2024
- 2<sup>nd</sup> Pediatric Pulmonology Update” at AIIMS Jodhpur, 3rd March 2024.
- National Assembly on Pediatric Emergency Medicine (NAPEM) at Bangalore as Joint secretary of IAP PEM chapter, February 29 to 1<sup>st</sup> March 2024.

#### Eminent Visitors

- Prof. Christina Einspieler, Professor of Physiology, Secretary to General Movements Trust, Medical University of Graz, Austria.
- Prof. Ranjeet Thergaonkar, Professor and Head, Command Hospital Kolkata
- Prof. Suprita Kalra, Professor, AFMC
- Dr Aditi Sinha- Additional Professor, AIIMS New Delhi
- Prof. Amarjeet Mehta- Pro-Vice chancellor RUHS, Professor and Head, Division of Pediatric Nephrology, SMS Jaipur
- Prof. Susan Uthup, President of ISPN, Professor and Head, SAT Trivandrum
- Prof. Girish Bhatt, Professor of Pediatrics, AIIMS Bhopal

#### Various year around academic and other activities and new land marks achieved by department.

The 1st Research Day in the history of AIIMS Jodhpur was held in January 2024, and our department stood out by being awarded the **trophy for one of the best departments** in this prestigious institute, a matter of great pride for us. We also won multiple Research Awards in various categories on this day,

marking a major achievement. We look forward to continuing this tradition of excellence in the years to come.

- To commemorate World Asthma Day on 2nd May 2023, the Pediatric Pulmonology division of our department, under the leadership of Dr. Jagdish Goyal and Dr. Prawin Kumar, successfully conducted a CME on Childhood Asthma at AIIMS Jodhpur. More than 50 participants joined the CME, where updates on Asthma-GINA 2023 were discussed.
- In March 2024, the 2nd Pediatric Pulmonology Update was conducted, along with a Cystic Fibrosis Meet for parents and clinicians interested in cystic fibrosis, at AIIMS Jodhpur.
- These activities help improve the clinical skills of residents and spread awareness among the general public about various pediatric pulmonary conditions.
- Our department conducted the **3rd Annual Pediatric Kidney meet** - An IPNA endorsed AIIMS Jodhpur Pediatric Nephrology CME cum Workshop, done over 2 days with a *fund of 7000 USD* from IPNA (International Pediatric Nephrology Association) with Dr Aliza Mittal as the Organizing Secretary- The department conducted the third IPNA endorsed hands on workshop on peritoneal dialysis under a generous grant of 7000USD from International Pediatric Nephrology association. This was a physical workshop which saw a participation of almost 80 delegates from medical colleges of Rajasthan and faculties from all over the country. The theme for this years program was Nephrology in Office practice.
- **1<sup>st</sup> Pediatric Transplant:** A 16-year-old girl successfully underwent renal transplant on 20<sup>th</sup> July 2023. The child received supportive Maintenance HD and guidance during evaluation under pediatrics. Post transplant, she is under follow up of adult Nephrology
- Pediatric Nephrology special clinic is run on **Tuesdays at 2 pm every week**
- Dr. Bharat Choudhary organized **two ETAT** (Emergency Triage Assessment and Treatment) workshops for the training of medical officers and nursing officers- for improving the quality of care for pediatric patients presenting to the pediatric emergency department.

#### **8<sup>th</sup> MIDTERM PHO CME (First PHO national activity in Rajasthan)**

Department of Pediatrics, organized theme-based 8<sup>th</sup> MIDTERM PHO CME (First PHO national activity in Rajasthan) to increase awareness about various Pediatric hematology oncology disorders for better outcome by improving early suspicion, timely referral, diagnosis and optimal management. The event included exciting and informative academic program which will featured hot debate about themed topic i.e. – Thrombosis and hemostasis and Wilms tumor, diagnostic methods, lectures, panel discussion, debate, UG/PG quiz and practical workshops delivered by academic leaders in the field of Pediatrics, Pediatrics hematology – Oncology, Pediatric Surgery, Pathology and other related specialties and supportive care from India and Abroad. The event includes 4 workshops – i.e. How to practice Evidence-based medicine, Simulation based Pediatric Hematology Oncology, Day to day hematology for Pediatricians, Nursing workshop for Hemophilia and Thalassemia. The event witnessed more than 500 delegates and faculty from India and abroad. This will also help in decentralizing care for various hematological and oncological disorders prevalent in Pediatric population by referring back the patients to complete remaining treatment at primary pediatricians after stabilizing and optimizing the initial treatment of these patients.

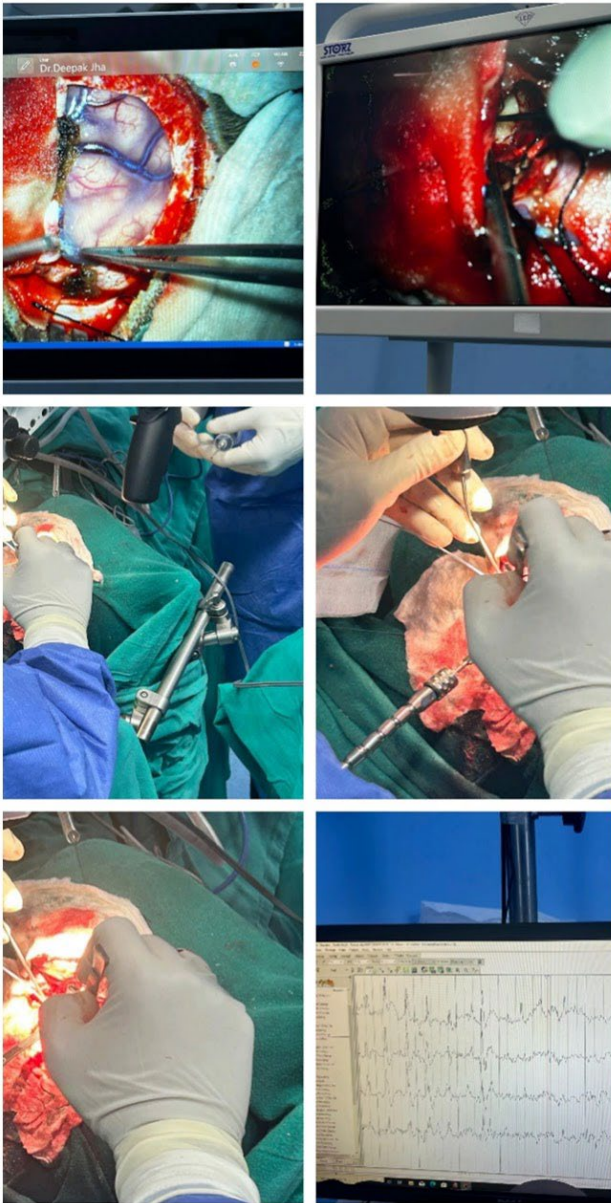


Research Day Celebration, AIIMS Jodhpur 2023: Trophy for Best Department





Academic Activities: Organized by Pediatric Emergency, Pediatric Nephrology and Pediatric Pulmonology



## एम्स म मासूम के तंत्रिका सबधा विकार का सफल उपचार, राजस्थान में पहली बार किया गया है इलाज

■ खबर मारवाड़

जोधपुर। एम्स जोधपुर ने नौ वर्षीय बच्चे में डिस्टोनिया के एक दुर्लभ आनुवंशिक रूप का सफलतापूर्वक इलाज करके एक महत्वपूर्ण उपलब्धि हासिल की है। राजस्थान में यह इस तरह की अपनी पहली प्रक्रिया है। यह बच्चा पिछले पांच साल से ऑटोसोमल डोमिनेंट इन्हेरिटेस के साथ एक विशिष्ट आनुवंशिक उत्परिवर्तन के एमटी2बी के कारण होने वाली बहुत ही दुर्लभ बीमारी प्राइमरी डिस्टोनिया से पीड़ित था। इस स्थिति के कारण उसके शरीर के विभिन्न हिस्से दर्द से ऐंठने लगे, जिससे उसके जीवन की गुणवत्ता में काफी गिरावट आई। इस बीमारी के लिए आमतौर पर दी जाने वाली दवाओं का बहुत कम असर हुआ, जिसके कारण माता-पिता को एम्स जोधपुर के लिए आमंत्रित पर दी जाने वाली दवाओं का बहुत कम असर हुआ, जिसके कारण माता-पिता को एम्स जोधपुर

लिया। गत 15 मई को बच्चे को बाइलेटरल पैलिडोटीमी नामक एक प्रक्रिया से गुजरना पड़ा, जिसे सटीकता के साथ किया गया। इस सर्जरी में असामान्य गतिविधियों के लिए जिम्मेदार विशिष्ट मस्तिष्क क्षेत्रों को न्यूनतम इन्वेसिव तकनीकों का उपयोग करते हुए नष्ट किया गया तथा यह सर्जरी सफल रही। सर्जरी के बाद डिस्टोनिया की गंभीरता में कमी के साथ, बच्चे की स्थिति में उल्लेखनीय सुधार हुआ। बाल चिकित्सा न्यूरोलॉजिस्ट डॉ. लोकेश सैनी, न्यूरो सर्जन डॉ. मोहित अग्रवाल, इंटरवेंशनल रेडियोलॉजिस्ट डॉ. सर्वेश तिवारी और एनेस्थेसिस्ट डॉ. स्वाति छाबड़ा सहित विशेषज्ञों की एक टीम ने न्यूरोसर्जरी प्रमुख और चिकित्सा अधीक्षक डॉ. दीपक झा तथा दुर्लभ रोग विशेषज्ञ, डॉ. कुलदीप सिंह के मार्गदर्शन में सफलतापूर्वक किया।

Important landmarks under Pediatric Neurology Division, AIIMS Jodhpur

## Department of Pharmacology

S.No.	Name	Designation
1.	Dr. Sneha Ambwani	Professor & Head
2.	Dr. Surjit Singh	Professor
3.	Dr. Pradeep Dwivedi	Additional Professor
4.	Dr. Jaykaran Charan	Additional Professor
5.	Dr. Shoban Babu Varthya	Associate Professor
6.	Dr. Rimplejeet Kaur	Assistant Professor
7.	Dr. Tarun Kumar	Assistant Professor

### About the Department

#### Introduction:

Throughout 2023–2024, the Department of Pharmacology, All India Institute of Medical Sciences, Jodhpur, has been actively involved in a number of academic, research, and cooperative activities. Our goals are to undertake state-of-the-art research, give top-notch instruction to undergraduates, Postgraduate students, and post-doctorates, and advance the fields of pharmacology and drug safety. We take satisfaction in having contributed approximately 2110 adverse drug reaction (ADR) reports to the VigiFlow database since we were recognized as a "Adverse Drug Monitoring Centre" under the "Pharmacovigilance Programme of India" (PvPI).

#### Teaching Activities:

By working with other departments to undertake integrated lectures and teaching activities, the department has upheld its dedication to providing premium instruction. In order to improve the understanding and clarity of practical components for postgraduate students as well as undergraduates (MBBS, BSc Nursing, BSc. MLT), we have also adopted Computer Assisted Learning (CAL). Notably, we have been using Competency Based Medical Education (CBME) in our undergraduate practical sessions for the past two years along with small group discussion driven by faculty. We are happy to announce that two students were enrolled in a new Doctorate of Medicine (DM) course in pharmacology started in 2023. We are also currently offering classes to students enrolled in the MMT course.

#### Events Organized:

We have arranged a number of events, such as a quiz, poster competition, awareness video competition, nukkad natak, and essay competition, to increase staff and student knowledge of the PvPI program during the National Pharmacovigilance Week, which takes place annually from September 17–23, 2023. From January 13 to 20, 2024, we held a free of cost workshop on systematic review, to which participants from all around India came. Together with the Department of CMFM, AIIMS Jodhpur, the Department of Pharmacology has carried out a number of public outreach initiatives, such as the skit (Nukkad Natak) on Rational use of Antibiotics. A regular component of our teaching involves the MBBS undergraduate students visiting the Herbarium with Department of AYUSH AIIMS, Jodhpur along with the faculty. The Department on Medication Errors held a capacity building workshop for two days where speakers from the United Kingdom took lectures. Various ADR monitoring and reporting



programmes/lectures were conducted to create awareness among the health workers of AIIMS, Jodhpur. Our Department recently started regular workshops on TB Mukht panchayat initiative.

### Research:

The faculty in the department have been actively involved in a variety of pharmacological research projects. The department's research outputs have been disseminated through presentations at national and international conferences and publications in respectable scientific journals. Faculty members have enriched the medical and scientific communities' collective knowledge by sharing their discoveries, which has sparked continuing conversations and the possibility of future partnerships with other institutions and researchers. We have started the process of creating a specialized Clinical Pharmacology Unit because we understand how important clinical pharmacology is for improving patient care and pharmacological therapy. In order to guarantee safe and efficient drug use, the unit will function as a specialist centre for carrying out clinical research, drug trials, and drug interaction monitoring.

We proudly announce the successful establishment of a fully functional animal house, which is registered with the Committee for the Control and Supervision of Experiments on Animals (CCSEA). The registration reflects the department's commitment to ethical research and the welfare of research animals. Therapeutic Drugs Monitoring unit will soon be going to start in the Department of Pharmacology as the equipment required got sanction recently.

### Collaborations and Industry Sensitization:

In line with our commitment to holistic learning, we have established fruitful collaborations with industry partners. A notable collaboration with government and private pharmaceuticals like Zydus, Glenmark and Sun Pharma for facilitating the industry posting for our DM candidates and we also plan to initiate a Pharmaceutical industry sensitization program for junior residents.

### Compiled list of Publications of the department:

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12. Anil A, Saravanan A, **Singh S**, Shamim MA, Tiwari K, et al. Are paid tools worth the cost? A prospective cross-over study to find the right tool for plagiarism detection. *Heliyon*, 2023, 9(9). e19194, <https://doi.org/10.1016/j.heliyon.2023.e19194>.
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projections of prevalence to 2050: a systematic analysis for the Global Burden of Disease Study 2021. *The Lancet*. 2023 Jul 15;402(10397):203-34.

60. GBD 2021 Tuberculosis Collaborators. Global, regional, and national age-specific progress towards the 2020 milestones of the WHO End TB Strategy: a systematic analysis for the Global Burden of Disease Study 2021. *Lancet Infect Dis*. 2024 Mar 19:S1473-3099(24)00007-0. doi: 10.1016/S1473-3099(24)00007-0.
61. GBD 2021 Low Back Pain Collaborators. Global, regional, and national burden of low back pain, 1990-2020, its attributable risk factors, and projections to 2050: a systematic analysis of the Global Burden of Disease Study 2021. *Lancet Rheumatol*. 2023 May 22;5(6):e316-e329. doi: 10.1016/S2665-9913(23)00098-X. PMID: 37273833; PMCID: PMC10234592.

#### **Non-Pubmed Indexed:**

1. Dutta S, Mishra G, Lal H, **Kumar T**, Ram K, **Ambwani S**. Anxiety and Wellbeing Among Healthcare Workers During COVID-19 Pandemic. *Int. J. Pharm. Sci. Rev. Res* 2022;73(1): 114-9.
2. Khasbage S, Das SK, Najmi A, Sadasivam B, **Singh S**. Primary Prophylaxis of COVID-19: A Comprehensive Review of approved vaccines. *Research Journal of Pharmacy and Technology* 2023; 16(2):917-23. doi: 10.52711/0974-360X.2023.00154.
3. Dutta G, Medhi G. K, Lyngdoh M, **Kumar T**, Pala S. A Descriptive Study on the Treatment Seeking Behaviour of Patients with Chronic Diseases During Covid-19 Pandemic in a Tertiary Care Institute of North-eastern Region of India. *Int. J. Pharm. Sci. Rev. Res* 2022; 74(2):139-43.
4. Acharya V, Verma M, Dadheech G, Meena R, Dutta G, **Kumar T**. Health Related Quality of Life and Dependency Among Stroke Survivors in a Tertiary Care Centre in Rajasthan. *Int. J. Pharm. Sci. Rev. Res* 2024; 84(3): 122-8.

#### **Name of Faculty: Dr. Sneha R Ambwani**

#### **Designation: Professor and Head**

#### **Poster Presentation:**

1. Evaluation of association of cardio metabolic abnormalities in patients of Bipolar Disorder 19<sup>th</sup> World congress of Basic & Clinical Pharmacology 2023 from 02<sup>nd</sup> to 07<sup>th</sup> July, 2023 at Glasgow, Scotland. (Presenter)
2. Jaykaran Charan, Rimplejeet Kaur, Sneha Ambwani, et al. Adverse drug events following ChADOx1 Cov-19 (COVISHIELD) Corona virus vaccination in health care workers: A cross-sectional study. 19<sup>th</sup> World Congress of Basic and Clinical Pharmacology 2023(2-7 July 2023, Glasgow, Scotland). (Co-Presenter)
3. Jaykaran Charan, Suman SV, Sneha Ambwani et al. Comparison of Glimepiride Vs Voglibose as add on to Metformin in Diabetes: A randomized open label controlled trial. International Congress of Diabetes and Metabolism 2023, Gyeongju, South Korea, 19-21 Oct 2023. (Co-Presenter)
4. Diabetes and other metabolism related adverse events reported after the use of COVID-19 vaccines: A descriptive study” in 2023 International Congress of Diabetes and Metabolism held at Gyeongju, Republic of Korea from 19<sup>th</sup> October to 21<sup>st</sup> October 2023. (Poster)- (Co-Presenter)
5. Presenter at GCP (Good Clinical Practices) Conference at Jaipur.

**Sessions Chaired:**

1. "53<sup>rd</sup> Annual Conference of Indian Pharmacological Society-IPSCON 2023" held at SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu from 14<sup>th</sup> to 16<sup>th</sup> December, 2023.
2. 5<sup>th</sup> National Conference Antimicrobial Stewardship Practices in India ASPICON 2023 held from 30<sup>th</sup> September to 01<sup>st</sup> October, 2023 organized by AIIMS Jodhpur and SASPI India.
3. Scientific Session organized on 01<sup>st</sup> & 02<sup>nd</sup> December held in NAPTICON 2023 organized by the Department of Pharmacology & Therapeutics, KGMU, Lucknow in association with National Association of Pharmacology & Therapeutics.
4. Chairperson in Biomedical waste management, Department of Microbiology, AIIMS, Jodhpur.
5. Chairperson at IEC (Institutional Ethics Committee), IIT, Jodhpur.

**Resource Faculty:**

1. National Workshop on Systematic Review and Meta-Analysis, supported by Karyashala under SERB, Gol, from January 13-20, 2024, organized by Department of Pharmacology, AIIMS, Jodhpur and Center of Excellence for Tribal Health, AIIMS, Jodhpur.
2. CME on Tuberculosis on 3rd May, 2023 organized by Department of Microbiology, AIIMS, Jodhpur.
3. Workshop on Ethics and Clinical Trails organized by the Institute Ethics Committee (IEC) and the Clinical Trial Review Committee (CTRC), AIIMS Bibinagar, Hyderabad on 08th & 09th February, 2024.
4. Actively participating in webinars, online discussions and successfully completing all the training sessions of CBME Workshop and having fulfilled requirements set forth by academic board of the organization. (National Association of Pharmacology and Therapeutics National Workshop 05-26 October, 2023).
5. Organized National Pharmacovigilance week from 17-23 Sep 2023 at the institute under PvPI program.
6. Resource faculty in NEET exam (NBE-National Board of Examination) for Post Graduates and organizer workshops of NBE.
7. Organizing member in ISHWMCON 2023 Conference organized by Department of Hospital Administration and Department of Microbiology AIIMS Jodhpur on 3rd and 4th November 2023 at AIIMS Jodhpur.
8. Organizing member of Rabies conference AIIMS, Jodhpur, 2023

**Research Project:****Ongoing:****As Principal Investigator:**

1. Knowledge, attitude and practice of artificial intelligence among healthcare professionals in the western part of India: A questionnaire- based study.
2. Drug utilization study and prescription auditing in medicine IPD and ICU patients receiving anti-fungal drugs: A cross sectional observational non-interventional study.

**As Co-Investigator**

1. Chronic Comorbidities and COVID-19: A cross-sectional study to assess the pattern and outcome in COVID Patients with Chronic comorbidities.

2. A Survey on burden of COVID-19 in Pharmacists and analysis of prescription and sales of various medications used in COVID-19.
3. An analysis of acute and long term adverse events following immunization associated with COVID-19 vaccination in healthcare workers in a tertiary care hospital of western Rajasthan.
4. "Efficacy of Sulphonylureas in patients with polymorphism in KCNJ11-ABCC8 genetic locus: A prospective cohort study in T2DM patients in western Rajasthan". Extramural-ICMR.
5. Implementation of Antimicrobial Stewardship activities in various Tertiary care centers across India(ICMR).
6. Analysis of neurological adverse events from COVID vaccines. A study based on Vigi Base database.
7. A double blinded randomized multicentric parallel group active controlled clinical trial comparing the efficacy of mupirocin ointment of apex laboratories pvt. Ltd with mupirocin ointment (t-bact) of gsk, in the treatment of superficial primary bacterial skin infection.
8. Randomized, Multi-Centric, Comparative, Blinded, Parallel Group, Prospective Study, To Determine Clinical Efficacy and Safety of Theruptor Surgical Wound Dressing of CareNow In Comparison With Tegaderm of 3M and Plain Gauze dressing on Wound Healing In Patients undergoing Abdominal and Joint surgeries" (~7 lakhs).
9. An analysis of acute and long term adverse events following immunization associated with COVID-19 vaccination in healthcare workers in a tertiary care hospital of western Rajasthan.

#### **Completed**

##### **As Principal Investigator:**

1. Haemodynamic & Economic Evaluation of sedatives used in Paediatric MRI.

##### **As Co-Investigator:**

1. Prevalence of internet addiction and impact of internet socialization on Professional, academic, social lives and sleep pattern among students and professionals from various fields across India.
2. Efficacy and safety of Panchkuta powder in the treatment of dyslipidemia: A randomized open label feasibility trial. [Extramural].

##### **Examinership:**

1. Appointed as an external examiner and paper setter in Dr. Ram Manohar Lohia Institute of Medical Sciences – Lucknow in January, 2024
2. Appointed as an external examiner and paper setter in Jaipur National University (JNU) on 1, March, 2024
3. Appointed for thesis checking in AIIMS, Nagpur in March, 2024

##### **National/ International Conferences/Workshops/CME attended:**

1. CME on Tuberculosis on 3<sup>rd</sup> May, 2023 organized by Department of Microbiology, AIIMS, Jodhpur.
2. Workshop on Ethics and Clinical Trails organized by the Institute Ethics Committee (IEC) and the Clinical Trial Review Committee (CTRC), AIIMS Bibinagar, Hyderabad on 08<sup>th</sup> & 09<sup>th</sup> February, 2024.
3. Actively participating in webinars, online discussions and successfully completing all the Training sessions of CBME Workshop and having fulfilled requirements set forth by academic board of the organization. (National Association of Pharmacology and Therapeutics National Workshop 05-26 October, 2023).

4. National Workshop on Systematic Review and Meta-Analysis, supported by Karyashala under SERB, Gol, from January 13-20, 2024, organized by Department of Pharmacology, AIIMS, Jodhpur and Center of Excellence for Tribal Health, AIIMS, Jodhpur.

**Memberships:**

1. Society of Antimicrobial Stewardship Practices(SASPI), Room No 4009, Dept. of Medicine, Level 6 AIIMS, Rishikesh, Dehradun, Uttarakhand.
2. Vice President of National Association of Pharmacology and Therapeutics

**Any others:**

Reviewer of the following Journals:

1. Metabolic Syndrome & Related Disorders.
2. Journal of Indian Academy of Geriatrics.
3. Advances in Medical Education and Practice, Dove Medical Press (Part of Taylor & Francis Group, the Academic Publishing Division of Informa PLC).
4. International Journal of General Medicine Dove Medical Press (Part of Taylor & Francis Group, the Academic Publishing Division of Informa PLC).
5. Risk Management and Healthcare Policy Dove Medical Press (Part of Taylor & Francis Group, the Academic Publishing Division of Informa PLC).
6. Journal Advances in Medical Education and Practice.
7. Vice President of National Association of Pharmacology and Therapeutics.
8. ANALS of Medicine.
9. Medical Journal of DY Patil University.

**Selection committee Member-**

1. Selection committee member of AIIMS Gorakhpur in February, 2024.
2. Selection committee member of AIIMS Bhatinda in September, 2023 and March, 2024.
3. Appointed by NMC as an accessor to access the superspeciality (SS) DM Pharmacology at KEM, Mumbai (Seth GS Medical College) on 15, February, 2024.

**Name of Faculty: Dr. Surjit Singh**

**Designation: Professor**

**Books/Chapters:**

1. Khasbage S, Das SK, Singh S, Varthya SB. Medical Device Use for Cardiovascular Diseases. In Medical Devices 2023 (pp. 141-157). CRC Press.
2. Kathuria Priyanka, Singh Surjit. Understanding forest plot. Handbook on Biostatistics. Evangel publication.
3. Singh Surjit, Kathuria Priyanka. How to do a meta-analysis. Handbook on Biostatistics. Evangel publication.

**Papers Presented:**

1. Singh S, Shukla R, Khasbage S, Sharma P. A Randomized Control trial of Duloxetine and Gabapentin in Painful Diabetic Neuropathy.
2. Singh S, Shukla R, Khasbage S, Dwivedi P, Varthya SB, Anil A, Saravanan A, Kaur M. A systematic review and meta-analysis of Duloxetine and Gabapentin in Painful Diabetic Neuropathy.
3. Singh S, Shukla R, J S, Dwivedi P, Varthya SB, Anil A, Saravanan A, Kaur M, Chugh VK, Khera D, Chugh A. A systematic review and meta-analysis of SGLT-2 inhibitors in heart failure with a normal ejection fraction.

#### **Sessions Chaired:**

1. 53rd Annual Conference of Indian Pharmacological Society\_IPSCON 2023. From 14-16 December, 2023. Organized by SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu. Chaired the session to Judge Oral Presentation 16 December 2023.

#### **Resource Faculty:**

1. Resource faculty for AHA Certified BLS ACLS Provider Course conducted at AIIMS Jodhpur, from 13-15<sup>th</sup> April 2023 and 18-20 January, 2024.

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator-**

1. Role of Heavy Metals in Polycystic Ovary Syndrome (PCOS) and Efficacy and Safety of Sodium-Glucose Transporter-2 (SGLT-2) Inhibitors in PCOS – Extramural ICMR
2. Cochrane review in collaboration with West China Second University Hospital, Sichuan University on "Cochrane Systematic Review: Evening versus morning dosing regimen drug therapy for hypertension".
3. Efficacy and safety of Stem Cell Therapy in Osteoarthritis Patients: A systematic review and meta-analysis [ICMR Guideline development]

##### **As Co-Investigator-**

1. Assessing Phenytoin and Levetiracetam Efficacy, Cost- Effectiveness, and CYP2C9/SV2A Polymorphism in Early Post-Traumatic Seizures: A Multicentric Prospective Randomized Trial. (4.5 Cr)
2. Systematic review and meta-analysis of efficacy and safety of Stem Cell Therapy in skin rejuvenation. (~7 Lakhs) [ICMR Guideline development]
3. Efficacy and safety of dapagliflozin vs sacubitril valsartan among patients of heart failure with reduced ejection fraction: a randomized study
4. "Genotype-Guided vs Conventional Fluoropyrimidine Therapy for Gastrointestinal Cancer: A Multicentre Pragmatic Randomized Clinical Trial." [ICMR submitted]
5. Corticosteroids for prevention of complications among Abdominal Tuberculosis patients: A Randomized Placebo Controlled Trial. [ICMR submitted]
6. Efficacy of Dapagliflozin in myocardial Infarction: A Multicentre Pragmatic Randomized Clinical Trial. [ICMR submitted]
7. Enraveling circulating microRNAs as signatures in hypertensive myocardial infarction in Indian population – a multi-centric approach. [ICMR submitted]

8. Renoprotective role of Dapagliflozin in Non diabetic Chronic Kidney Disease: A Multicentre Pragmatic Randomized Clinical Trial. [ICMR submitted]
9. Comparison of Intraosseous versus Intravenous Vancomycin in Total Knee Arthroplasty – A Randomized Controlled Trial – A Genuine Step towards Empowering Antibiotic efficacy-ICMR Inclusive Health.
10. Efficacy and safety of Semaglutide vs Metformin among Overweight PCOS Women: A Randomised double-blind Controlled trial.
11. Assessment of single nucleotide polymorphisms in children with recurrent renal stones: A case control study. [ICMR submitted]
12. Effect of Cysteinyl Leukotriene-1 Receptor Antagonists and Histamine-1 Receptor Blockers in Achieving Clinical Remission and Preventing Relapses in Adult Nephrotic Syndrome with Podocytopathies: A Multi-centre Study. [ICMR submitted]

### **Completed:**

#### **As Principal Investigator-**

1. Cochrane review in collaboration with West China Second University Hospital, Sichuan University on "Cochrane Systematic Review: Evening versus morning dosing regimen drug therapy for hypertension".
2. "Awareness regarding Antimicrobial resistance and antibiotic prescribing behavior among physicians: Results from a nationwide cross-sectional survey in India"
3. Randomized control study of efficacy and safety of Saroglitazar in Type 2 Diabetes Mellitus. [MD thesis]

#### **As Co-Investigator-**

1. Efficacy of Oral Magnesium on Bone regeneration and Implant stability in Immediate Dental Implants: A Randomized Controlled Study.
2. Efficacy and Safety of Pregabalin Vs Gabapentin among patients of chronic pruritus: A randomized study.
3. Efficacy and safety of Bupropion in Glycemic control and self-care Adherence in type 2 diabetes with mild depression: A randomized open-labelled crossover controlled trial.
4. Evidence and gap mapping with pharmacoeconomic modelling of pharmacological interventions for microvascular complications of Type 2 Diabetes Mellitus.
5. Efficacy, Safety & Economic Analysis of Topical Preparations In Patients With Mild To Moderate Atopic Dermatitis (Ad): A Randomized Open-Labelled Active Controlled Trial.

### **Examinership:**

1. External Examiner ship for setting Question Paper for MBBS at AIIMS, Rishikesh for May-June 2023.
2. External Examiner ship for Practical Pharmacology Examination for MBBS at AIIMS, Rishikesh from 12-15th June 2023 and 21st August 2023.
3. External Examiner ship for Practical Pharmacology Examination for MD Pharmacology at AIIMS, Bhubaneswar, from 3-4th November 2023.
4. External Examiner ship for Practical Examination for DM Examination (Clinical Pharmacology) JIPMER, from 7-8th December, 2023.

5. External Examiner for the conduct of Final M.B.B.S Examination (Pharmacology) at Maharaja Agarsen Medical College, Agroha, Haryana, from 14-16 March 2024, conducted by University of Health Sciences, Rohtak.
6. External Examiner ship for Practical Pharmacology Examination for MBBS at Government Medical College, Churu, from 18-20 March 2024.
7. MCQ setting for conduct of AIIMS MD, DM/Mch (INI-CET) Entrance Examination conducted by AIIMS New Delhi in JUNE 2023.

#### **National/ International Conferences attended:**

1. "National Pharmacovigilance Week 2023. All India Institute of Medical Sciences, Jodhpur from Sept. 17-23, 2023, organized by Dept. of Pharmacology.
2. National Workshop for Systematic Review and Meta-analysis at AIIMS Jodhpur from 13-20 January, 2024. Organized by Dept. of Pharmacology. Funded by Science and Engineering Research Board India. Topic: RevMan working, GRADE analysis in SRMA.
3. Attended "ICMR-AIIMS Jodhpur" Antibiotic Stewardship programme conducted on August 12, 2023.
4. 19th World Congress of Basic & Clinical Pharmacology 2023 organized by the British Pharmacological Society (BPS), in Glasgow, Scotland, from 2-7 July 2023. Topics: A Randomized Control trial of Duloxetine and Gabapentin in Painful Diabetic Neuropathy; A systematic review and meta-analysis of Duloxetine and Gabapentin in Painful Diabetic Neuropathy; A systematic review and meta-analysis of SGLT-2 inhibitors in heart failure with a normal ejection fraction. (Poster Presentations).
5. Attended 53rd Annual Conference of Indian Pharmacological Society, IPSCON 2023. From 14-16 December, 2023. Organized by SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu. Attendance Certificate.
6. Hands-on Workshop on "Decoding Danio-As a versatile Research Model" at 53rd Annual Conference of Indian Pharmacological Society\_IPSCON 2023. From 14-16 December, 2023 Organized by SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu. Attendance Certificate as Delegate.
7. 53rd Annual Conference of Indian Pharmacological Society\_IPSCON 2023. From 14-16 December, 2023. Organized by SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu. Chaired the session to Judge Oral Presentation 16 December 2023.

**Name of Faculty: Dr. Pradeep Dwivedi**

**Designation: Additional Professor**

#### **Books/Chapters-**

1. Shamim MA, Satapathy P, Padhi BK, Veeramachaneni SD, Akhtar N, Pradhan A, **Dwivedi P** et al. 'Pharmacological treatment and vaccines in monkeypox virus: a narrative review and bibliometric analysis' in e-book 'Re-emergence of neglected tropical diseases amid the COVID-19 pandemic: Epidemiology, transmission, mitigation strategies, and recent advances in chemotherapy and vaccines' published by 'Frontiers'. DOI: 10.3389/978-2-8325-3603-2.

#### **Papers Presented:**

1. Tiwari K, **Dwivedi P**, Singh S, Ambwani S, Deora S, Shamim MA, Saravanan A Anil A, Varthya SB. SGLT2 inhibitors in Heart Failure: A Systematic Review and Network Meta-Analysis. 53<sup>rd</sup> Annual Conference of the Indian Pharmacological Society Conference, December 12–16, 2023, Chennai.
2. Singh S, Shukla R, Khasbage S, **Dwivedi P**, Varthya SB, Anil A, Saravanan A, Kaur M. A systematic review and meta-analysis of Duloxetine and Gabapentin in Painful Diabetic Neuropathy. 19<sup>th</sup> World Congress of Basic & Clinical Pharmacology 2023 organized by the British Pharmacological Society (BPS), in Glasgow, Scotland, from 2-7 July 2023.
3. Singh S, Shukla R, J S, **Dwivedi P**, Varthya SB, Anil A, Saravanan A, Kaur M, Chugh VK, Khera D, Chugh A. A systematic review and meta-analysis of SGLT-2 inhibitors in heart failure with a normal ejection fraction. 19<sup>th</sup> World Congress of Basic & Clinical Pharmacology 2023 organized by the British Pharmacological Society (BPS), in Glasgow, Scotland, from 2-7 July 2023.
4. Varthya SB, Singh S, **Dwivedi P**, Anil A, Saravanan A. Efficacy and safety of COVID-19 vaccines in chronic renal failure patients: A systematic review and meta-analysis. 19<sup>th</sup> World Congress of Basic & Clinical Pharmacology 2023 organized by the British Pharmacological Society (BPS), in Glasgow, Scotland, from 2-7 July 2023.

#### **Invited Lectures:**

1. Lecture titled "Evidence synthesis in tribal health: Current Status" National Workshop on Systematic Review & Meta-analysis" on tribal health 13<sup>th</sup>-20<sup>th</sup> Jan 2024, Dept of Pharmacology, AIIMS Jodhpur.

#### **Symposium Speaker:**

1. Panelist "National Round Table Conference on Tribal health" organized by AIIMS Deoghar from 6<sup>th</sup> - 8<sup>th</sup> May 2023.
2. Panelist Round Table Conference for Tribal health, organized by GMC, Srinagar, J & K, 6<sup>th</sup> & 7<sup>th</sup> October 2023.

#### **Resource Faculty:**

1. Invited Member (domain experts) to participate in a program titled "Towards Accelerating Tribal Development: Collaborative Partnership with Stakeholders" organized by the Ministry of Tribal Affairs, Government of India, on 12.03.2024, New Delhi.
2. "Drone delivery in healthcare - hype or hope?" CME under the aegis of National Academy of Medical Sciences (India) state chapter Rajasthan, on 1st July 2023.

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator-**

1. Characterization of Transcriptional Landscape and Its Functional Role in Gingivo-Buccal Oral Squamous Cell Carcinoma for Targeted Drug Discovery. Extramural (Gujarat State Biotechnology Mission-GSBTM) (Rs. 78.25 Lakhs).
2. Satellite Centre for Tribal Health and Research. Extramural Ministry of Tribal Affairs, Govt. of India (5.55 Crore).

##### **As Co-Investigator-**



1. NIHR Global Health Research Centre for Multiple Long-Term Conditions. Extramural National Institute of Health Research, UK (~1Million GBP)
2. Efficacy & SV2A/CYP2C9 polymorphism of Phenytoin and Levetiracetam in the prevention of Early Post Traumatic Seizures: RCT (Rs. 4.5 Crore)
3. Screening of Sickle Cell Anaemia and Other Hemoglobinopathies in newborn, pregnant women (ANC) and family members in Rajasthan. Extramural (National Health Mission Rajasthan) (Rs. 1.4 Crore)
4. Estimate the burden of TB (Active and Latent) among the tribal population and their anti-TB drug resistance pattern to strengthen TB control in the tribal areas” Extramural-Technological Interventions for Tribal Empowerment (TITE), DST (Rs. 58.74 LAKHS)
5. SGLT2 inhibitors in polycystic ovary syndrome, ICMR (INR 95 Lakhs).
6. Role of Acetaminophen in Affective and Social Decision-making. Extramural (DBT) (Rs. 42.5 Lakhs).
7. Efficacy and safety of stem cells in skin rejuvenation: an evidence synthesis, ICMR (INR 7 Lakhs).
8. Efficacy and safety of stem cells in osteoarthritis: an evidence synthesis, ICMR (INR 7 Lakhs).

#### **Completed:**

##### **As Co-Investigator-**

1. Research on Indigenous population of District Sirohi, Rajasthan: A Collaborative Project of AIIMS Jodhpur & Ministry of Tribal Affairs, GOI. Extramural (Ministry of Tribal Affairs, GoI) (Rs. 49.6 Lakhs).
2. 'Efficacy of sulfonylureas in patients with polymorphism in KCNJ11-ABCC8 genetic locus: A prospective cohort study in Type 2 Diabetic Mellitus patients in Western Rajasthan.' Extramural ICMR (~29 Lakhs).

##### **Scientific Awards/Patents-**

1. Awarded 1<sup>st</sup> among AIIMS faculty for Publication in High Impact Journal (Narrative Review Category) in 1st Research Day of AIIMS Jodhpur on 13th Jan 2024.
2. Awarded 2<sup>nd</sup> among AIIMS faculty for Publication in High Impact Journal (MD Student Thesis Category) in 1st Research Day of AIIMS Jodhpur on 13th Jan 2024.

#### **Examinership:**

1. 2<sup>nd</sup> Professional MBBS Examination (Supplementary) as External Examiner-MLN Medical College, Prayagraj from 18th-22nd March 2024.
2. 2<sup>nd</sup> Professional MBBS Examination (Supplementary) as External Examiner-AIIMS Bhopal 13<sup>th</sup> April 2023.
3. MD (Pharmacology) June-2023 session MD Internal Examiner at AIIMS Jodhpur.
4. MD (Pharmacology) Nov-2023 session MD Internal Examiner at AIIMS Jodhpur.

#### **National/ International Conferences attended:**

1. Workshop on Regulatory Frameworks for Medical & Therapeutic Interventions organized by IIT Jodhpur, Rajasthan from 19<sup>th</sup> -20<sup>th</sup> Dec 2023.
2. “National Round Table Conference on Tribal health” organized by AIIMS Deoghar, Jharkhand from 6<sup>th</sup> -8<sup>th</sup> May 2023.
3. “Round Table Conference for Tribal health”, organized by Govt. Medical College, Srinagar, Jammu & Kashmir, 6<sup>th</sup> & 7<sup>th</sup> October 2023.

**Name of Faculty: Dr. Jaykaran Charan**

**Designation: Additional Professor**

**Books/Chapters:**

1. Choosing the measures of effect in Systematic Review and Meta-analysis. In IAPSM's text book of Comprehensive Research Methodology, Jaypee Publication. 2024.

**Papers Presented:**

1. Jaykaran Charan, Rimplejeet Kaur, Sneha Ambwani, et al. Adverse drug events following ChADOx1 Cov-19 (COVISHIELD) Corona virus vaccination in health care workers: A cross-sectional study. 19<sup>th</sup> World Congress of Basic and Clinical Pharmacology 2023(2-7 July 2023, Glasgow, Scotland).
2. Jaykaran Charan, Suman SV, Sneha Ambwani et al. Comparison of Glimepiride Vs Voglibose as add on to Metformin in Diabetes: A randomized open label controlled trial. International Congress of Diabetes and Metabolism 2023, Gyeongju, South Korea, 19-21 Oct 2023.

**Resource Faculty**

1. Workshop on Good Clinical Practice for IEC members of AIIMS Jodhpur on 15, September, 2023.

**Research Project:**

**Ongoing:**

**Chief Investigator:**

1. Systematic Review for Evidence based Guidelines on the use of stem cell therapy: Myocardial Infarction. [ICMR funded].
2. Assessment of some important parameters in hypertensive patients: An analytic cross-sectional study [Intramural Project].
3. Efficacy and safety of Panchkuta powder in the treatment of dyslipidemia: A randomized open label feasibility trial [Extramural] [Old project continued].
4. Pharmacotherapy of resistant hypertension in adults – Cochrane Review. [Old project continued].
5. Hydrochlorothiazide Vs Chlorthalidone in Hypertension: A systematic review and meta-analysis. [Old project continued].
6. Spiranolactone for the treatment of Resistant Hypertension: A systematic review and meta-analysis.

**Co-Investigator:**

1. Efficacy and safety of Purnavadi Madura alone and in combination with Drakshavaleha compared to Iron folic acid in treatment of moderate iron deficiency anemia among non-pregnant woman of reproductive age group: a community based three arm multicenter randomized controlled trials. [ICMR funded].
2. To compare the weight loss, liver function tests, blood pressure and quality of life in patient's metabolic syndrome and/or NAFLD with or without time restricted eating, an open label intervention study.
3. Comparing Telmisartan administration regimens for stage 1 Hypertension Treatment: Morning, Bedtime and Split dose approaches.

4. Comparison of Three Single Pill Combinations of two drugs Therapies for Lowering Blood Pressure in Indian Patients with hypertension – Extramural.
5. Comparison of telmisartan with other antihypertensive on insulin sensitivity, inflammatory markers, vascular endothelial function in patients with T2DM with hypertension: An open label intervention study. [PG Thesis].
6. Novel indices to determine prognosis in acute coronary syndrome patients undergoing percutaneous coronary intervention [PG Thesis project].
7. Knowledge, attitude and practice of artificial intelligence among healthcare professionals in the western part of India: A questionnaire- based study.
8. Drug utilization study and prescription auditing in medicine IPD and ICU patients receiving anti-fungal drugs: A cross sectional observational non-interventional study.

**Completed:****Chief Investigator:**

1. Assessment of some important parameters in hypertensive patients: An analytic cross-sectional study [Intramural Project].
2. Efficacy and safety of Panchkuta powder in the treatment of dyslipidemia: A randomized open label feasibility trial [Extramural] [Old project continued].
3. Pharmacotherapy of resistant hypertension in adults – Cochrane Review. [Old project continued].
4. Hydrochlorothiazide Vs Chlorthalidone in Hypertension: A systematic review and meta-analysis. [Non-Funded Project]

**Co-Investigator:**

1. An International, Multicenter, Randomized, Double Blind, Placebo Controlled trial of safety and efficacy of Anti Coronavirus Hyperimmune Intravenous Immunoglobulin for the treatment of adult outcomes in early stage of COVID -19 (INSIGHT 012 OTAC) – Extramural.
2. A Randomized double blind placebo controlled, multi-centric trial to determine the therapeutic efficacy of AYUSH medicine NOQ19 in treatment of symptomatic COVID-19 patients along with standard allopathic treatment – Extramural.
3. Comparison of Three Single Pill Combinations of two drugs Therapies for Lowering Blood Pressure in Indian Patients with hypertension – Extramural.
4. A prospective multicenter randomized active controlled observer blind phase II study seamlessly followed by a phase III study to evaluate the safety, tolerability and immunogenicity of the candidate HGCO19 (COVID-19 Vaccine) in healthy subjects. - Extramural.

**Scientific Awards/Patents:**

1. Research Day awards for highly cited researcher among additional professor, Highest H index among additional professor, second highest PubMed Indexed articles among additional professor. Included in top 2% highly cited researchers as per the SCOPUS database on 13, January, 2024.

**Examinership:**

1. SN Medical College, Jodhpur (Undergraduate) from 10<sup>th</sup> to 13<sup>th</sup> March, 2024.

**National/ International Conferences attended:**

1. 19<sup>th</sup> World Congress of Basic and Clinical Pharmacology 2023(2-7 July 2023, Glasgow, Scotland).
2. International Congress of Diabetes and Metabolism 2023, Gyeongju, South Korea, 19-21 Oct 2023.

**Name of Faculty: Dr. Shoban Babu Varthya**

**Designation: Associate Professor**

**Books/Chapters:**

1. Khasbage S, Das SK, Singh S, Varthya SB. Medical Device Use for Cardiovascular Diseases. In Medical Devices 2023 (pp. 141-157). CRC Press.

**Papers Presented:**

2. 19th World Congress of Basic & Clinical Pharmacology 2023 organized by the British Pharmacological Society (BPS), in Glasgow, Scotland, from 2-7 July 2023. Varthya SB, Singh S, Dwivedi P, Anil A, Saravanan A. Efficacy and safety of COVID-19 vaccines in chronic renal failure patients: A systematic review and meta-analysis.
3. 53rd Annual Conference of Indian Pharmacological Society\_IPSCON 2023. From 14- 16 December, 2023. Organized by SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu. Krishna Tiwari, Muhammad Aaqib Shamim, Vikas Kumar Tiwari, Aswini Saravanan, Abhishek Anil, Gopala Krishna Medarametla, Rahul Gudaghe, Pradeep Dwivedi, Surjit Singh, Sneha Ambwani, Atul Kaushik, Rahul Choudhary, Surender Deora, Shoban Babu Varthya\* SodiUm Glucose cotransport 2 inhibitors: A systematic Review and network meta-analysis in Heart Failure (SUGAR-HF): IPSCON 2023, Chennai 13th December 2023
4. 53 rd Annual Conference of Indian Pharmacological Society\_IPSCON 2023. From 14- 16 December, 2023. Organized by SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu. Arun S, Durga shanker Meena, Varthya SB, Ambwani S, Charan J, Mayur, Bohra GK: Azithromycin induced pancytopenia owing to mucormycosis: a Case report:IPSCON 2023, Chennai 13th December 2023
5. 19th World Congress of Basic & Clinical Pharmacology 2023 organized by the British Pharmacological Society (BPS), in Glasgow, Scotland, from 2-7 July 2023. Singh S, Shukla R, Khasbage S, Sharma P, Varthya SB. A Randomized Control trial of Duloxetine and Gabapentin in Painful Diabetic Neuropathy.
6. 19th World Congress of Basic & Clinical Pharmacology 2023 organized by the British Pharmacological Society (BPS), in Glasgow, Scotland, from 2-7 July 2023. Singh S, Shukla R, Khasbage S, Dwivedi P, Varthya SB, Anil A, Saravanan A, Kaur M. A systematic review and meta-analysis of Duloxetine and Gabapentin in Painful Diabetic Neuropathy.
7. 19th World Congress of Basic & Clinical Pharmacology 2023 organized by the British Pharmacological Society (BPS), in Glasgow, Scotland, from 2-7 July 2023. Singh S, Shukla R, J S, Dwivedi P, Varthya SB, Anil A, Saravanan A, Kaur M, Chugh VK, Khera D, Chugh A. A systematic review and meta-analysis of SGLT-2 inhibitors in heart failure with a normal ejection fraction.

**Sessions Chaired:**

1. 53<sup>rd</sup> Annual Conference of Indian Pharmacological Society\_IPSCON 2023. From 14-16 December, 2023. Organized by SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu. Chaired the session to Judge Oral Presentation 14 and 16 December 2023.

2. 53<sup>rd</sup> Annual Conference of Indian Pharmacological Society\_IPSCON 2023. From 14-16 December, 2023. Organized by SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu. Chaired the session to Judge Poster Presentation 14 December 2023.
3. 2<sup>nd</sup> Annual National Conference of National Association of Pharmacology and Therapeutics from 1-2 December 2023. Organized by Dept. of Pharmacology and Therapeutics, King Georges Medical University, Lucknow, UP. NAPTICON 2023. Attendance as a delegate.
4. 2<sup>nd</sup> Annual National Conference of National Association of Pharmacology and Therapeutics from 1-2 December 2023. Organized by Dept. of Pharmacology and Therapeutics, King Georges Medical University, Lucknow, UP. NAPTICON 2023. Appreciation for Judge in the Oral Presentation for Clinical Trials and Medical Education.

#### **Resource Faculty:**

1. National Workshop for Systematic Review and Meta-analysis at AIIMS Jodhpur from 13-20 January, 2024. Organized by Dept. of Pharmacology. Funded by Science and Engineering Research Board India. **Topic:** Developing Research Question, Critical Appraisal of Randomized Clinical Trials, RoB in SRMA.
2. Resource faculty for training members of Ethical Committee in Good Clinical Practice (GCP) and Good Laboratory Practice (GLP) at K S Hegde Medical College under Nitte University Mangalore between 26-27 February, 2024. **Topic:** CTRI, Informed consent from then Randomization, eCRF, & sample size calculation.
3. Workshop on Systematic Review and Meta-analysis on the 1st and 2nd of March 2024, Amrita Institute of Medical Sciences, Kochi, Kerala. **Topic:** Hypothesis generation and developing research question & How to search an indexed journal: an effective way to avoid predatory journals.

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator-**

1. "Efficacy of Sulphonylureas in patients with polymorphism in KCNJ11-ABCC8 genetic locus: A prospective cohort study in T2DM patients in western Rajasthan". Extramural (~29 Lakhs)-ICMR
2. Estimate the burden of TB (Active and Latent) among the tribal population and their anti-TB drug resistance pattern to strengthen TB control in the tribal areas. (58 Lakhs)
3. Systematic review and meta-analysis of efficacy and safety of Stem Cell Therapy in skin rejuvenation. (~7 Lakhs)
4. Efficacy and safety of dapagliflozin vs sacubitril valsartan among patients of heart failure with reduced ejection fraction: a randomized study
5. "Genotype-Guided Vs Conventional Fluoropyrimidine Therapy for Gastrointestinal Cancer: A Multicentre Pragmatic Randomized Clinical Trial."
6. Corticosteroids for prevention of complications among Abdominal Tuberculosis patients: A Randomized Placebo Controlled Trial.

##### **As Co-Investigator-**

1. Assessing Phenytoin and Levetiracetam Efficacy, Cost- Effectiveness, and CYP2C9/SV2A Polymorphism in Early Post-Traumatic Seizures: A Multicentric Prospective Randomized Trial. (4.5 Cr)

2. Role of Heavy Metals in Polycystic Ovary Syndrome (PCOS) and Efficacy and Safety of Sodium-Glucose Transporter-2 (SGLT-2) Inhibitors in PCOS. (96 Lakhs)
3. Efficacy and safety of Stem Cell Therapy in Osteoarthritis Patients: A systematic review and meta-analysis. (7 Lakhs)
4. A multicentric randomized controlled trial (RCT) to compare the efficacy and safety of WHO MDT MBR (multi-bacillary regimen) with daily Rifampicin versus WHO MDT MBR (multi-bacillary regimen) with placebo in highly bacillated Multibacillary Leprosy patients
5. Randomized, MultiCentric, Comparative, Blinded, Parallel Group, Prospective Study, To Determine Clinical Efficacy and Safety of Theruptor Sterile Barrier CareNow In Comparison With Bactigras of Smith & Nephew and Allevyn of Smith & Nephew on Wound Healing in Patients With Chronic Infected Wounds
6. To compare the efficacy and safety of Paclitaxel Vs Paclitaxel and Carboplatin combination regimens in patients with HER2/neu negative metastatic breast carcinoma
7. A randomized control trial of efficacy and safety of daily versus weekly levothyroxine (T4) in Hypothyroidism
8. Efficacy of Dapagliflozin in myocardial Infarction: A Multicentre Pragmatic Randomized Clinical Trial.
9. Enraveling circulating microRNAs as signatures in hypertensive myocardial infraction in Indian population – a multi-centric approach.
10. Renoprotective role of Dapagliflozin in Non diabetic Chronic Kidney Disease: A Multicentre Pragmatic Randomized Clinical Trial.
11. Comparison of Intraosseous versus Intravenous Vancomycin in Total Knee Arthroplasty – A Randomized Controlled Trial – A Genuine Step towards Empowering Antibiotic efficacy-ICMR Inclusive Health.
12. Efficacy and safety of Simaglutide vs Metformin among Overweight PCOS Women: A Randomised double-blind Controlled trial.
13. Assessment of single nucleotide polymorphisms s in children with recurrent renal stones: A case control study.
14. Effect of Cysteinyl Leukotriene-1 Receptor Antagonists and Histamine-1 Receptor Blockers in Achieving Clinical Remission and Preventing Relapses in Adult Nephrotic Syndrome with Podocytopathies: A Multicentre Study.
15. SELECT “IRON” Trial: SEvere anaemia in tribaL pregnancies- Effectiveness, EConomic analysis, and Tolerability of IRON preparations: A pragmatic multicentre randomized controlled Trial.
16. Knowledge, attitude and practice of artificial intelligence among healthcare professionals in the western part of India: A questionnaire- based study.
17. Drug utilization study and prescription auditing in medicine IPD and ICU patients receiving anti-fungal drugs: A cross sectional observational non-interventional study.

#### **Completed:**

##### **As Principal Investigator-**

1. Cochrane review in collaboration with West China Second University Hospital, Sichuan University on “Cochrane Systematic Review: Evening versus morning dosing regimen drug therapy for hypertension”.
2. Double Blinded Randomized Parallel Group Active Controlled Clinical Trial Comparing The Efficacy Of Mupirocin Ointment Of Apex Laboratories Pvt. Ltd With Mupirocin (TBact) Of Gsk, In The Treatment Of Superficial Primary Bacterial Skin Infections And Skin Ulcers.

3. Randomized, Multi Centric Comparative Blinded Parallel Group Prospective Study To Determine Clinical Efficacy And Safety Of Theruptor Surgical Wound Dressing of CareNow In Comparison With Tegaderm of 3M and Plain Gauze dressing on Wound Healing In Patients undergoing Abdominal and Joint surgeries.

#### **Examinership-**

1. Sardar Patel Medical College & Associated Group of P. B. M. Hospitals, Bikaner (Rajasthan) from 13th March to 16th March, 2024.
2. Govt. Medical College, Pali, Rajasthan between 18th March to 20th March, 2024.
3. Internal examiner Second BSc Nursing (Hons) Final exam January 2024.
4. Internal examiner Second BSc Nursing (Hons) Supplementary exam March 2024.
5. Provided Multiple-Choice Questions (MCQs) to the Examination Section, A.I.I.M.S., New Delhi and submitted on 17 April 2023.

#### **National/ International Conferences attended:**

1. Workshop on "TB Mukht Panchayat Initiative, Rajasthan" at Hotel Govinda Palace, Gogunda block, Udaipur. 30<sup>th</sup> March 2024.
2. "National Pharmacovigilance Week 2023. All India Institute of Medical Sciences, Jodhpur from Sept. 17-23, 2023, organized by Dept. of Pharmacology.
3. National Workshop for Systematic Review and Meta-analysis at AIIMS Jodhpur from 13-20 January, 2024. Organized by Dept. of Pharmacology. Funded by Science and Engineering Research Board India. Topic: RevMan working, GRADE analysis in SRMA.
4. 19th World Congress of Basic & Clinical Pharmacology 2023 organized by the British Pharmacological Society (BPS), in Glasgow, Scotland, from 2-7 July 2023.
5. Good Clinical Practice (GCP) and Good Laboratory Practice (GLP) at K S Hegde Medical College under Nitte University Mangalore between 26-27 February, 2024. **Topic:** CTRI, Informed consent from then Randomization, eCRF, & sample size calculation.
6. Workshop on Systematic Review and Meta-analysis on the 1st and 2nd of March 2024, Amrita Institute of Medical Sciences, Kochi, Kerala. **Topic:** hypothesis generation and developing research question & How to search an indexed journal: an effective way to avoid predatory journals.
7. 2<sup>nd</sup> Annual National Conference of National Association of Pharmacology and Therapeutics from 1-2 December 2023. Organized by Dept. of Pharmacology and Therapeutics, King Georges Medical University, Lucknow, UP. NAPTICON 2023.
8. 53rd Annual Conference of Indian Pharmacological Society, IPSCON 2023. From 14-16 December, 2023. Organized by SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu.
9. Hands-on Workshop on "National Workshop on in Silico Pharmacology for Virtual Ligand Screening and Profiling" at 53rd Annual Conference of Indian Pharmacological Society\_IPSCON 2023. From 13 December, 2023 Organized by SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu. Attendance Certificate as Delegate.

**Name of Faculty: Dr Rimple Jeet Kaur**

**Designation: Assistant Professor**

**Papers Presented:**

1. Evaluation of adverse events related to musculoskeletal system reported for COVID-19 vaccines in VigiBase: A WHO Pharmacovigilance database. (Poster)
2. Diabetes and other metabolism related adverse events reported after the use of COVID-19 vaccines: A descriptive study” in 2023 International Congress of Diabetes and Metabolism held at Gyeongju, Republic of Korea from 19th October to 21st October 2023. (Poster)

**Sessions Chaired:**

1. 15th National Conference Antimicrobial Stewardship Practices in India APSICON held at AIIMS Jodhpur 30th September 2023- 1st October 2023.
2. Updates in the management of Waldenstorm Macroglobunemia organized by Asha Caregiver's Society and Dr SN Medical College, Jodhpur on 29th March 2024.

**Research Project:**

**Ongoing:**

**As Principal Investigator-**

1. Assessment of some important biomarkers in hypertensive patients: An analytic cross-sectional study. Intramural Project.
2. To compare the weight loss, liver function tests, blood pressure and quality of life in patients of metabolic syndrome and/or NAFLD with or without time restricted eating, an open label interventional study.
3. Intramural Project: Assessment of some important biomarkers in hypertensive patients: An analytic cross-sectional study.

**Completed:**

**As Principal Investigator-**

1. An International, Multicenter, Randomized, Double Blind, Placebo Controlled trial of safety and efficacy of Anti Coronavirus Hyperimmune Intravenous Immunoglobulin for the treatment of adult outcomes in early stage of COVID -19 (INSIGHT 012 OTAC).

**Scientific Awards/Patents-**

1. Awarded first prize among assistant professors for highest number of citations on research day, AIIMS Jodhpur, 13th January 2024.
2. Awarded first prize among assistant professors for research output and impact based on h index on research day, AIIMS Jodhpur, 13th January 2024.

**National/ International Conferences attended:**

1. 19<sup>th</sup> World Congress of Basic & Clinical Pharmacology – 2023 conference, held in Glasgow, Scotland, from 2nd July 2023 to 7th July 2023.



2. Good Clinical Practices, Clinical Trial Rules 2019 and ICMR National Ethical Guidelines for Biomedical and Health Research Involving Human Participants” organized by research cell, AIIMS, Jodhpur on 15th September 2023.
3. International Congress of Diabetes and Metabolism held at Gyeongju, Republic of Korea from 19<sup>th</sup> October to 21<sup>st</sup> October 2023.

#### **Workshops/ Conferences Organized-**

1. Moderator and organizing secretary- “First Research Day AIIMS Jodhpur, 13<sup>th</sup> January 2024.
2. Co-Organizing Secretary: Workshop on “Authorship: Ethical Considerations” organized by research cell, AIIMS, Jodhpur on 26th August 2023.
3. Co-organizing secretary: Updates in the management of Waldenstorm Macroglobunemia organized by Asha Caregiver’s Society and Dr SN Medical College, Jodhpur on 29<sup>th</sup> March 2024.

**Name of Faculty: Dr. Tarun Kumar**

**Designation: Assistant Professor**

#### **Papers Presented:**

1. National Conference INTPCON 2023 held at Goa Medical College, Bambolim on 23rd September and 24th September 2023.

#### **Resource Faculty:**

1. Organizing member for Pharmacovigilance week program from 17th September, 2023 to 23rd September, 2023 at AIIMS Jodhpur.
2. Organizing member of National Workshop on Systematic Review and Meta-analysis at AIIMS Jodhpur from 13th to 20th January 2024 organized by Department of Pharmacology AIIMS Jodhpur and Centre of Excellence for Tribal Health AIIMS Jodhpur.

#### **Research Project:**

##### **Ongoing:**

##### **As Co-Investigator:**

1. Knowledge, Attitude and Practice of healthcare professionals and undergraduate students regarding antimicrobial resistance across India: A questionnaire-based study. [Non-Funded].
2. Knowledge, attitude and practice of artificial intelligence among healthcare professionals in the western part of India: A questionnaire- based study.
3. Drug utilization study and prescription auditing in medicine IPD and ICU patients receiving anti-fungal drugs: A cross sectional observational non-interventional study.

##### **Completed:**

##### **As Principal Investigator:**

1. Prevalence of internet addiction and impact of internet socialization on Professional, academic, social lives and sleep pattern among students and professionals from various fields across India. [Non-Funded].

**As Co-Investigator:**

1. Health Related Quality of Life and Dependency Among Stroke Survivors in a Tertiary Care Centre in Rajasthan.

**Examinership:**

1. B.Sc. (Hons.) Perfusion Technology 1st year exam on 3rd November, 2023.
2. B.Sc. (Hons.) Perfusion Technology 1st year – Supplementary exam on 12th January, 2024.

**Membership/Post in Journal or Society or Association**

1. Life Member of The Association of Physiologists and Pharmacologists of India (APPI) on 17th November, 2023.

**National/ International Conferences attended:**

1. Participated as a delegate in the Pre-conference workshop at The National Conference INTPCON 2023 held at Goa Medical College, Bambolim on 23rd September 2023.
2. Participated as a delegate and presented oral paper at The National Conference INTPCON 2023 held at Goa Medical College, Bambolim on 23rd September and 24th September 2023.
3. Online workshop on Good Clinical Practice (GCP) organized by Andhra Medical College, Vishakhapatnam, Andhra Pradesh on 25th October 2023.
4. Participated as a delegate in ISHWMCON 2023 Conference organized by Department of Hospital Administration and Department of Microbiology AIIMS Jodhpur on 3rd and 4th November 2023 at AIIMS Jodhpur.
5. Workshop on SPSS for BioMedical Research-Advanced on 18th November 2023 and 19th November 2023 online.
6. Participated as a delegate in 5th National Workshop on R for Biostatistics held on 21st to 24th November 2023 at AIIMS Bhubaneswar organized by Dept of Pharmacology.
7. Participated as a delegate in 12th Conference of IAPSM Rajcon 2023 held at Dr. SN Medical College Jodhpur on 16th and 17th December 2023.
8. Participated in Cochrane Library Systematic Reviews- AIIMS, Jodhpur on 15th February, 2024 organized by Wiley Research Training.
9. Participated as a delegate in 'End of Life Care: Bridging Health Care Professionals and Society Perspectives Organized by Department of Community Medicine and Family Medicine, AIIMS Jodhpur' 24th February, 2024.

## Department of Physical Medicine and Rehabilitation

S. No.	Name	Designation
1.	Dr. Ravi Gaur	Additional Professor & Head
2.	Dr. Nitesh Manohar Gonnade	Additional Professor

### About the Department:

The Department of Physical Medicine and Rehabilitation (PMR) at AIIMS, Jodhpur, has achieved remarkable progress and growth across its academic, research, and clinical domains, exemplifying its commitment to comprehensive patient care and advanced rehabilitation techniques, supported by a dedicated team of 2 faculty members, 1 Pain and Palliative Care fellow, 4 Senior residents, and 11 Junior residents, who collectively employ a holistic approach involving a multidisciplinary team that includes physiotherapists, occupational therapists, speech-language pathologists, EMG & NCV technicians, prosthetist & orthotist technicians, senior nursing officers, and supporting staff members to ensure well-rounded patient care.

The department is well-regarded for its expertise in managing chronic neuro-musculoskeletal conditions such as stroke, spinal cord injury, cerebral palsy, and musculoskeletal pain, with a central focus on spasticity management achieved through both medical and interventional methods, including the regular use of chemical neurolysis with phenol and neuromuscular blockade with BOTOX to alleviate debilitating spasticity and significantly enhance patient outcomes.

Over the past year, the department has expanded its capabilities in performing advanced diagnostic and interventional procedures, making ultrasound assessments and guided procedures, including fluoroscopy, routine, and notably performing radio-frequency ablation (RFA) procedures in indicated cases, which has provided residents with valuable hands-on experience through a rotational training system. A hallmark of the department is its state-of-the-art Gait and Motion Analysis Laboratory, which supports detailed gait assessments and sensory-based G-studio walk tests for patients with chronic neurological and musculoskeletal conditions, generating comprehensive reports that include kinematic and kinetic analyses used by residents and faculty to develop and refine individualized rehabilitation protocols, with three theses and two research projects currently underway focusing on various gait parameters, reflecting the department's commitment to advancing knowledge and practice in rehabilitation.

The academic environment in the PMR department is vibrant, featuring regular classes, faculty teaching programs, and journal clubs for postgraduate students, with residents and faculty actively participating in national and international medical conferences as presenters and speakers, highlighted by the successful hosting of the Mid-Term Continued Medical Education (CME) under the Indian Association of Physical Medicine and Rehabilitation (IAPMR) from September 14th to 17th, 2023. Furthermore, the department fosters interdisciplinary collaboration, exemplified by the Continued Medical Education (CME) conducted in association with the Departments of Endocrinology & Metabolism and General Surgery on June 16th, 2024, focusing on diabetic foot-related diseases, which underscores the importance of integrating medical, surgical, and rehabilitative perspectives in patient care.

Looking ahead, the department envisions establishing a Spinal Injury Center aimed at providing comprehensive care for spinal cord injury patients, which will enhance the department's ability to support patients throughout their recovery journey, promoting independence and dignity, thereby underscoring its ongoing efforts and future goals to maintain excellence in physical medicine and rehabilitation and

benefit a diverse patient population with a broad range of services, including managing approximately 40,000 outpatient cases annually, 216 inpatient cases, 6,000 fluoroscopic and ultrasound-guided pain interventions, 11,896 physiotherapy sessions in the Musculoskeletal Unit, 6,184 in the Neuro Rehabilitation Unit, 3,200 in the Sensory Integration and Occupational Therapy Units, 2,379 in the Hand Function Unit, 538 patients in the Prosthetist and Orthotist Workshop with 160 appliance fittings, 825 electromyography and nerve conduction studies, 2,220 speech therapy cases, 204 gait and motion analysis tests, 121 G-Studio (Tug + Walk) and G-Walk tests, and 35 virtual rehabilitation sessions, ensuring a comprehensive and effective approach to patient care across various therapeutic domains.

**Name of Faculty: Dr. Ravi Gaur**

**Designation: Additional Professor & Head**

#### **Invited Lectures**

1. "Spinal Cord Injury Rehabilitation", "First Master Class series 2023" organized by Bihar Association of Physical Medicine and Rehabilitation (BAPMR) under the aegis of the Indian Association of Physical Medicine and Rehabilitation (IAPMR) at AIIMS, Patna on 15<sup>th</sup> & 16<sup>th</sup> December, 2023.
2. "IAPMRCON 2024 (52<sup>nd</sup> Annual National Conference of IAPMR) from 1<sup>st</sup> February, 2024 to 4<sup>th</sup> February, 2024 at Coimbatore, Tamilnadu, India.

#### **Resource Faculty:**

1. Invited rATA training workshop on 16<sup>th</sup> & 17<sup>th</sup> October, 2023 at ICMR Headquarters, New Delhi.
2. Invited as Faculty to attend "**52<sup>nd</sup> Annual National Conference of IAPMR**" at Coimbatore from 30<sup>th</sup> January to 6<sup>th</sup> February, 2024.

#### **Research Project:**

##### **Ongoing**

##### **As Principal – Investigator**

1. Assessment of Quality of life among lower limb amputees in the tertiary care center of western Rajasthan: A crosssectional survey (MPH Project)
2. Assessment of unmet needs and access to assistive technologies among the general population through digital rATA tool – a cross-sectional survey in india.(ICMR).
3. Clinical Profile of person with low back pain visiting a tertiary care centre in western Rajasthan.
4. National Exploratory Workshop for Training and Awareness on Assistive Technology (NEWTAAT).
5. INTER-AIIMS Collaboration for Assistive Health Technology concept note

##### **As Co-Investigator**

1. "IMPETUSTROKE: Implementation of an Evaluation and Treatment Package for Uniform Stroke Care and Outcomes in the Medical Colleges in India. An Implementation Research Study. (AIIMS, Delhi) & ICMR

#### **Completed:**

##### **As Co-Investigator**

1. Clinical Profile, Follow-up, and Role of Neuroimaging in Pediatric Guillain-Barré Syndrome in the COVID era: an ambispective Study.

2. Can ultrasound-guided radiofrequency ablation of genicular nerves of the knee, be performed without locating corresponding arterial pulsations-a cadaveric study.
3. Modafinil For the Treatment of Opioid-Induced Sedation in Terminal Cancer Patients: Case Series
4. Assessment of self-esteem and quality of life in patients with transtibial amputations using an exoskeletal prosthesis.
5. An uncommon case of a fleeting rash from Western Rajasthan.
6. A 12-Month Randomized Controlled Trial to Assess the Impact of Telemedicine on Patient Experience and Care Continuity.
7. Repercussions of Caregiving on Caregivers of Stroke Survivors: A Cross-Sectional Study.

### **Examinership**

7. Appointed as External Examiner for Thesis Evaluation for DM Pain Medicine (PMR) (Batch – January 2021), AIIMS, Rishikesh.
8. Appointed as External Examiner for PG (MD/MS) (Physical Medicine and Rehabilitation) Thesis Evaluation (Batch – January, 2021), AIIMS Rishikesh.
9. Attended INI-CET PG courses (MD/MS/M.Ch (6yrs)/DM(6 yrs)/MDS) July, 2023 session entrance examination as Faculty external examiner on 6<sup>th</sup> & 7<sup>th</sup> May, 2023 at Udaipur, Rajasthan.
10. Appointed as PDCC Neurorehabilitation 2023 examination at The West Bengal University of Health Sciences.
11. As a subject expert for “Interview for Associate Professor” at Gajra Raja Medical College, Gwalior, Madhya Pradesh on 3<sup>rd</sup> October, 2023.
12. Appointed as an External Expert for Senior Resident interview at AIIMS, Raipur.
13. Appointed as an External Expert for Senior Resident interview at AIIMS, Kalyani.

### **National/ International Conferences attended:**

1. Attend a “11<sup>th</sup> ANNUAL CONFERENCE OF INDIAN FEDERATION OF NEUROREHABILITATION (IFNRCON 2023)”, Organized by Indian Federation of Neurorehabilitation (IFNR) Mumbai from 14<sup>th</sup> to 16<sup>th</sup> April, 2023.
2. Attend a “Bihar Association of Physical Medicine and Rehabilitation” (BAPMR) organised its 10<sup>th</sup> State level Annual Conference BAPMRCON (BAPMRCON 2023) at Hotel Maurya, Patna on 22<sup>nd</sup> July, 2023.
3. Attend a “Workshop on Palliative Care” on 30/10/2023 at Pali, Jodhpur.
4. Attend a “17<sup>th</sup> Annual Conference of Indraprastha Association of Rehabilitation Medicine” at Gurugram from 12<sup>th</sup> to 13<sup>th</sup> November, 2023.
5. Attend a Workshop on “Accessibility training in healthcare” at All India Institute of Physical Medicine and Rehabilitation, Mumbai at 30/03/2024.

**Name of Faculty: Dr. Nitesh Manohar Gonnade**

**Designation: Additional Professor**

### **Resource Faculty:**

1. “Workshop on Musculoskeletal Ultrasound in Pain Medicine” at Department of Physical Medicine and Rehabilitation, AIIMS, Bibinagar, Telangana on 28/07/2023.

**Research Project:****Ongoing:****As Principal – Investigator**

1. Hypodermic needle calibre comparison for ultrasound guided transverse carpal ligament release: A cadaveric study.
2. Status of musculoskeletal disorders and its association with stress and job satisfaction among police personnel in Jodhpur city, Rajasthan. (MPH Project).
3. Unveiling Holistic Healing: A Comparative Study of integrated home-based care with standard medical care and conventional ayurvedic care of Knee Osteoarthritis, ICMR.
4. "IMPETUSTROKE: Implementation of an Evaluation and Treatment Package for Uniform Stroke Care and Outcomes in the Medical Colleges in India. An IMplementation Research Study. (AIIMS, Delhi) & ICMR.

**Examinership**

1. External examiner, PDCC Neurorehabilitation 2023 examination at The West Bengal University of Health Sciences.

**National/ International Conferences attended:**

2. Attended the "Rehabilitation of Pain & Pain-related disability" at Piacenza, Italy from 24/09/2023 to 28/09/2023.
3. Attended the "SPINE ENDOSCPOY (CME & CADAVERIC WORKSHOP)" as Faculty at J.K. Hospital, Bhopal on 10<sup>th</sup> & 11<sup>th</sup> June, 2023.
4. Attended the "USG MSKP Kolkata 2023" as Faculty at Central Hospital, SER, Kolkata from 14<sup>th</sup> to 17<sup>th</sup> July, 2023.
5. Attended the "Workshop on Musculoskeletal Ultrasound in Pain Medicine" as Faculty Organized by Department of Physical Medicine and Rehabilitation at AIIMS, Bibinagar, Telangana from 24<sup>th</sup> to 26<sup>th</sup> August, 2023.
6. Attended the "5<sup>th</sup> National Workshop on R for Biostatistics" at Department of Pharmacology, AIIMS, Bhubaneswar, Odisha from 21/11/2023 to 24/11/2023.
7. Attended the "6<sup>th</sup> National & 1<sup>st</sup> International Conference of Indian Society of Pain Clinicians ISPCCON 2023" at Department of Anesthesiology, KGMU, Lucknow on 17<sup>th</sup> December, 2023.
8. Attended the "Workshop cum CME on Basics of NCS & EMG" at Mahatma Gandhi Mission Medical College, Kamothe, Navi Mumbai on 27<sup>th</sup> January, 2024.

**Workshops/ Conferences Organized by the Department:****1. The I.A.P.M.R. National Mid-Term Continuing Medical Education – 2023**

The I.A.P.M.R. National Mid-Term Continuing Medical Education – 2023, was organized by Department of Physical Medicine and Rehabilitation, at AIIMS, Jodhpur from 14<sup>th</sup> to 17<sup>th</sup> September, 2023.

As a part of the Mid-Term Continued Medical Education (CME) under the Indian Association of Physical Medicine and Rehabilitation (IAPMR), the event attracted over 250 delegates and featured 60 speakers, chairpersons, and Guests of Honor including Prof. Dr. Ashok Puranik and former Executive Director Dr. Madhabananda Kar. The event successfully showcased the department's leadership and organizational capabilities. As part of conference, 7 preconference Hands on workshops were conducted. This is first ever time 7 such workshops were conducted in history of IAPMR. The eminent specialists in subject across the nation & Our own institutes presented in the conference and enlighten the delegates with their

knowledge. Around 350 delegates from various institute across the country attended the conference and workshops.

**Eminent Visitors:**

1. Prof (Dr.) Ashok Puranik, Executive Director, AIIMS Guwahati
2. Prof (Dr.) Madhabananda Kar, Executive Director, AIIMS Jodhpur
3. Prof (Dr.) Ajay Gupta, Professor, Department of Physical Medicine & Rehabilitation, VMMC & Safdarjung Hospital, President IAPMR

## Department of Physiology

S.No.	Name	Designation
1.	Dr. Abhinav Dixit	Professor and Head
2.	Dr. Bharati Mehta	Professor
3.	Dr. Prasunpriya Nayak	Professor
4.	Dr. Om Lata Bhagat	Professor
5.	Dr. Shival Srivastav	Associate Professor
6.	Dr. Pooja Ojha	Associate Professor
7.	Dr. Mahesh Arjundan Gadhvi	Assistant Professor

### About the Department

The Department of Physiology has been involved in Teaching, Research and Clinical activities since 2012. The Department caters to teaching, training, and assessment activities for several courses at undergraduate, postgraduate, and doctoral level. The MBBS, MD, MMT, PhD, BSc (Hons.) Nursing, MD-PhD, and MMT-PhD students are taught using various teaching modalities comprising didactic lectures, tutorials, seminars, integrated teaching, practical, and flipped classroom. The Department has been keenly involved in Research activities. The laboratory facilities in the department comprise Cognitive Neurophysiology, Autonomic functions, Experimental Physiology, Human Neurobehavioral and Brain Electroimaging, and Respiratory Physiology laboratories. The Department of Physiology has collaborations with other departments within the institute as well as with institutes like AIIMS Delhi, AIIMS Nagpur, MBM Engineering College and IIT Jodhpur. Faculty in the Department have received Extramural and Intramural funding for their research initiatives. The Department provides Intraoperative Neuromonitoring and Autonomic Testing services to other departments in the institute. The faculty have patents, and publications in various international and national journals and the Department is also involved in medical innovation. Faculty are also holding posts in various associations/societies and journals. The faculty and students have won laurels at international and national levels. Faculty have also been examiners and subject experts at various universities and recruiting bodies in the country. The faculty of the department have been recognized for their contributions to Medical science. They have been awarded coveted International and National Fellowships.

### Compiled list of Publications of the department

#### Papers

#### Pubmed Indexed:

1. Vani V, Ojha P, Gadhvi MA, Dixit A. Attentional correlates of colored lights: considerations for cognitive testing. Neuroscience 2024 Feb, doi 10.1016/j.neuroscience.2024.02.010
2. Gadhvi MA, Baranwal A, Srivastav S, Garg M, Jha DK, Dixit A. Use of Multimodality Intraoperative Neuromonitoring in Tethered Cord Syndrome- Experience from a Tertiary Care Centre. Maedica J Clin Med 2023;18(3):399-403



3. Shikha D, **Ojha P**, Shukla KK, **Bhagat OL**, **Dixit A**. Autonomic Correlates of Letter Cancellation Task: What the Attention Load May Evoke? *J Atten Disord*. 2023 Jul;27(9):1027-1034. doi: 10.1177/10870547231167563.
4. Shikha D, **Ojha P**, Shukla KK, **Bhagat OL**, **Dixit A**. Citrus Odour Produces Resilient Response to Cognitive Load and Enhances Performance in the N-Back Task. *Annals of Neurosciences*. 2024;0(0). doi:10.1177/09727531231215556
5. Gaur A, **Nayak P**, Ghosh S, Sengupta T, Sakthivel V. Aluminum as a possible cause towards dyslipidemia. *Indian J Occup Environ Med*. 2023;27:112-119.
6. Chhabra D, Kharya C, PremKrishnan A, Singh P, **Bhagat OL**, Deepak KK, Kochupillai V. Long Sudarshan Kriya Yoga enhances cardiovascular and respiratory synchronization: An observational study. *J Ayurveda Integr Med*. 2024 Jan 19;15(1):100867. doi: 10.1016/j.jaim.2023.100867.
7. Bhaskar L, Kharya C, Debnath M, Mullapudi T, Subbanna M, Chhabra D, Kumar N, Sharma PP, **Bhagat OL**, Kochupillai V. Effects of Sudarshan KriyaYoga and Advanced Meditation Program on Genetic Expression of Pro-inflammatory and Antioxidants Genes. *Cureus* 2023, 15(7): e41377. doi:10.7759/cureus.41377
8. Bhagat A, **Srivastav S**, Malhotra AS, Rohilla R, Sidana AK, Deepak KK. Role of meditation in ameliorating examination stress induced changes in cardiovascular and autonomic functions. *Ann Neurosci*. 2023;30(3):188-196.
9. Shamim MA, Manna S, Dwivedi P, Swami MK, Sahoo S, Shukla R, **Srivastav S**, Thaper K, Saravanan A, Anil A. Minocycline in depression not responding to first-line therapy: A systematic review and meta-analysis. *Medicine (Baltimore)*. 2023;102(45):e35937

#### Non-Pubmed Indexed:

1. Ghosh S, Gaur A, Sengupta T, Banerjee T, **Nayak P**. Effect of aluminium on lipid profile and atherogenic index in prepubertal and young adult female rats: A pilot study. *Indian J Physiol Pharmacol*. 2023;67(2):92-99.
2. Maithili KN, **Nayak P**, Sreenivasulu K, Nigam J, Kanwar T. Protective effect of Boerhaavia diffusa on cisplatin induced nephrotoxicity- Role of apoptosis and oxidative stress. *Annals of the Romanian Society for Cell Biology*. 2023;27(1):317-333.
3. **Nayak P**. Importance of Physiology in Medicine – an introspection in the light of past 100 years (Editorial). *Indian J Physiol Allied Sci*. 2023;75(3):1-3.
4. **Nayak P**. Review-reviewer-reviewed (7-8-9): A review of peer review (Editorial). *Indian J Physiol Allied Sci*. 2023;75(4):1-4.
5. Dasari P, R Kaushik, **Nayak P**. Tocotrienol supplementations ameliorate oxidative stress in the thalamus of rats exposed to low-to-moderate doses of ethanol. *Indian J Physiol Allied Sci*. 2023;75(4):41-46.
6. **Nayak P**. Prior to existence (Editorial). *Indian J Physiol Allied Sci*. 2024;76(1):1-3.
7. Gandhi K, M Sukumar, Mahaver D, Shandilya A, **Bhagat OL**. Analysis of Correlation between Anthropometry of Hand and Smartphone Overuse on Musculoskeletal Pain in Thumb/Wrist in Medical Students: A Cross Sectional Study at Tertiary Care Center of Central India. *International Journal of Kinanthropometry*, 2023;3(1), 47–57. <https://doi.org/10.34256/ijk2316>
8. **Srivastav S**, Arvind A, Gadhvi MA. Connecting the dots: New insights into visualizing literature search. *Ind J Physiol Pharmacol*. 2023;67(2): 147-149.
9. **Ojha P**. An accolade to Nobel Laureates 2023. *Indian J Physiol Allied Sci*. 2023;75(04), 57–58. <https://ijpas.org/index.php/ijpas/article/view/204>

**Name of Faculty: Dr. Abhinav Dixit**

**Designation: Professor and Head**

**Books/Chapters**

1. DBT- Handbook on Biodesign for Med-tech innovations, Department of Biotechnology, Ministry of Science and Technology, Govt. of India, 2023.
2. Dixit A. Chapters:
  - a. The Tissue level of Organization
  - b. The skeletal System: Bone Tissue
  - c. Nervous Tissue
  - d. The Autonomic Nervous system
  - e. Metabolism and Nutrition

In: Principles of Anatomy and Physiology, 16<sup>th</sup> edition, Indian Adaptation; Tortora and Derrickson; Wiley, 2024, New Delhi

3. Dixit A. Chapters:
  - a. The Tissue level of Organization
  - b. The skeletal System: Bone Tissue
  - c. Nervous Tissue
  - d. The Autonomic Nervous system
  - e. Metabolism and Nutrition

In: Principles of Anatomy and Physiology, Study Guide, 16<sup>th</sup> edition, Indian Adaptation; Tortora and Derrickson; Wiley, 2024, New Delhi

**Sessions Chaired:**

1. Paper Presentation, 7<sup>th</sup> International Conference on Basic and Applied Physiology-2023, 23<sup>rd</sup>-24<sup>th</sup> Dec 2023, Ahmedabad
2. Integration of simulation based teaching (low cost simulator) for teaching cognitive, psychomotor and affective domains in Physiology, 69<sup>th</sup> Annual Conference of Association of Physiologists and Pharmacologists of India, 30<sup>th</sup> Nov-2<sup>nd</sup> Dec 2023, AIIMS Kalyani

**Invited Lectures**

1. Panelist on "Sudden Cardiac Death", Joint Annual Meeting of International Society for Heart Research (Indian section) & International Academy of Cardiovascular Sciences (India Section), 16<sup>th</sup>-18<sup>th</sup> Feb 2024, AIIMS Jodhpur
2. Lecture on "Evoked potentials as a tool for Neurophysiological research", 69<sup>th</sup> Annual Conference of Association of Physiologists and Pharmacologists of India, 30<sup>th</sup> Nov-2<sup>nd</sup> Dec 2023, AIIMS Kalyani

**Research Project:**

**Ongoing:**

**As Principal investigator**

1. **Site PI for** “Development and validation of Prediction equations for respiratory impedance by forced oscillation technique in a healthy Indian population - multicentric cross-sectional study” (ICMR- 3 year Grant).

#### **As Co-Investigator**

1. Accuracy of central sulcus identification by Neuronavigation and by Neuromonitoring in surgeries near Perirolandic cortex (Intramural)
2. Analysis of retrospective data of Intraoperative neuromonitoring techniques used in Neurosurgeries

#### **Completed:**

#### **As Co-Investigator**

1. Comparison of Facial nerve prognosis predictability by free-running electromyography and direct nerve stimulation during cerebellopontine angle tumour removal surgery
2. Effect of font type on n-back test and letter cancellation task.

#### **Scientific Awards/Patents**

1. Fellowship of Royal College of Physicians, Edinburgh.
2. National Award for Young Scientist in Physiology 2023, by Society of Basic and Applied Physiology, India

#### **Examinership**

1. MD (Physiology), AIIMS Jodhpur, 13<sup>th</sup> June 2023
2. MD (Physiology), AIIMS Jodhpur, 8<sup>th</sup> Dec 2023
3. MD (Physiology) and PhD (Physiology), Thesis evaluator, AIIMS Delhi
4. MBBS, AIIMS Jodhpur, 18<sup>th</sup> -21<sup>st</sup> Oct 2023
5. PhD, Jain Vishwa Bharati University, Rajasthan, 5<sup>th</sup> Feb 2024

#### **Membership/Post in Journal or Society or Association**

1. Editor (Physiology), Indian Journal of Physiology and Pharmacology
2. National Advisory Board Member, UCMS Journal of Medical Sciences
3. Member, Executive Committee, Association of Physiologists and Pharmacologists of India
4. Society Representative, The Physiological Society (UK)
5. Royal College of Physicians, Edinburgh
6. American Physiological Society
7. Royal Society of Biology (UK)

#### **National/ International Conferences attended:**

1. 69<sup>th</sup> Annual Conference of Association of Physiologists and Pharmacologists of India, 30<sup>th</sup> Nov-2<sup>nd</sup> Dec 2023, AIIMS Kalyani
2. 7<sup>th</sup> International Conference on Basic and Applied Physiology-2023, 23<sup>rd</sup>-24<sup>th</sup> Dec 2023, Ahmedabad
3. Joint Annual Meeting of International Society for Heart Research (Indian section) & International Academy of Cardiovascular Sciences (India Section), 16<sup>th</sup>-18<sup>th</sup> Feb 2024, AIIMS Jodhpur
4. Indian Conference on Medtech Innovations, 22<sup>nd</sup>-24<sup>th</sup> Feb 2024, AIIMS Jodhpur and IIT Jodhpur

**Name of Faculty: Dr. Bharati Mehta**

**Designation: Professor**

**Papers Presented:**

1. Mehta B, Annu Ankita Evaluation of a series of post-lecture online self-assessment tests on academic performance in medical undergraduates. AMEE Glasgow, 26<sup>th</sup>–30<sup>th</sup> Aug 2023

**Invited Lecture**

1. Online 9<sup>th</sup> Regional Seminar by Pakistan Physiological Society, 16<sup>th</sup> Aug 2023
2. Online Lecture Series by Physiological Society of India, 28<sup>th</sup> Oct 2023
3. “AIIMS Physiomeet”- Workshop conducted by AIIMS Bhubaneswar, 9<sup>th</sup>-10<sup>th</sup> Feb 2024
4. Metrics of a Researcher. PHYSICON-Raj 2024, 16<sup>th</sup> -17<sup>th</sup> Mar 2024, JLNMC, Ajmer

**Research Projects:**

**Ongoing:**

**As Principal Investigator**

1. Assessment of sleep quality in menopausal females and effect of sleep hygiene intervention on it.

**As Co-Investigator**

1. Review of WHO-PEN competencies in preservice courses in health and medical courses to build an NCD ready workforce to deliver people-centered NCD services. Funded by WHO. Collaborating institutes AIIMS, Delhi, JIPMER.
2. Integrated Health Model for Pulmonary Rehabilitation in COPD and Pneumoconiosis in Jodhpur. Funded by ICMR
3. Designing and implementation of health care model in patients with Stage-2 Breast Cancer. Funded by ICMR

**Examinership**

1. MBBS Supplementary Exam, JLN Medical College, 18<sup>th</sup> Apr 2023
2. Gujarat University Q. paper Oct. 2023
3. Thesis evaluation NIMS University
4. MBBS Exam, BJ Medical College Ahmedabad, 6<sup>th</sup>-8<sup>th</sup> Dec 2023

**National/ International Conferences attended:**

1. ICMR Workshop on proposal writing BCSS, New Delhi, 7<sup>th</sup>-8<sup>th</sup> Aug 2023
2. AMEE Glasgow, Glasgow UK, 26<sup>th</sup>-30<sup>th</sup> Aug 2023

**Name of Faculty: Dr. Prasunpriya Nayak**

**Designation: Professor**

**Sessions Chaired:**

1. Oration lecture, PHYSICON-RAJ 2024, JLNMC Ajmer Rajasthan, 17<sup>th</sup> Mar 2024

**Invited Lectures**

1. Keynote address "Opening the First state branch of The Physiological Society of India: Experiences and roads ahead", PHYSICON-RAJ 2024, JLNMC Ajmer Rajasthan, 16<sup>th</sup> Mar 2024

**Examinership**

1. MBBS (Supplementary exam) at GMC, Pali, 13<sup>th</sup> Feb 2024
2. MD (Physiology), AIIMS Jodhpur, 13<sup>th</sup> June 2023
3. MD (Physiology), AIIMS Jodhpur, 8<sup>th</sup> Dec 2023

**Membership/Post in Journal or Society or Association**

1. President, The Physiological Society of India
2. Chief Editor, Indian Journal of Physiology and Allied Sciences

**National/ International Conferences attended:**

1. PHYSICON 2023, Shri B. M. Patil Medical College, Hospital & Research Center Vijayapura, 2<sup>nd</sup> -3<sup>rd</sup> Nov 2023
2. PHYSICON-RAJ 2024, JLNMC Ajmer Rajasthan, 16<sup>th</sup> -17<sup>th</sup> Mar 2024

**Name of Faculty: Dr. Om Lata Bhagat****Designation: Professor****Papers Presented:**

1. Shobhawat M, Srivastav S, Shukla RK, Bhagat OL. Effect of disease duration on cardiac autonomic functions in patients with Diabetes mellitus. PHYSICON-RAJ 2024, 16<sup>th</sup> -17<sup>th</sup> Mar 2024, JLNMC Ajmer
2. Shobhawat M, Srivastav S, Shukla RK, Bhagat OL. Evaluation of vascular response to short term head down tilt in patients with Diabetes Mellitus using pulse arrival time. Indian Society for Heart Research Conference 2024
3. Kumari R, Srivastav S, Krishna H, Bhagat OL, Nayak P. Effect of pelvic suspension on heart rate variability in Wistar Rats. PHYSICON-RAJ 2024, 16<sup>th</sup> -17<sup>th</sup> Mar 2024, JLNMC Ajmer
4. Sreeparvathy H, Gadhvi MA, Srivastav S, Bhagat OL, Dixit A. Effect of affective stimuli on cardiac autonomic tone. PHYSICON-RAJ 2024, 16<sup>th</sup> -17<sup>th</sup> Mar 2024, JLNMC Ajmer

**Invited Lectures**

1. Yogic Practices to Achieve Health: Physiological Aspect at MDNIY, 8<sup>th</sup> Dec 2023, New Delhi
2. Basics of Data Acquisition in Human Physiology, Gujrat chapter, APPI, 14<sup>th</sup> April 2023, online lecture

**Research Project:****Ongoing:****As Co-Investigator**

1. Association of kinanthropometric measurements with predictors of health and happiness in the adults. (intramural project-2022- INR 4,55,500/- funded by AIIMS, Jodhpur; 2 years) (ongoing)

2. Comparative study on the effect of 2 types of relaxation technique on stress and cardiac oscillations among healthy volunteers: A Pilot Study (self-funded; 2022- 12 months) (ongoing)

**Name of Faculty: Dr. Shival Srivastav**

**Designation: Associate Professor**

#### **Papers Presented**

1. **Srivastav S**, Jose A, Mehta B. Peripheral pulse arrival time in healthy subjects: are the values repeatable?, Indian Society for Heart Research Conference 2024.
2. **Srivastav S**. Autonomic function assessment: basic physiology with clinical applications. The Physiological Society of India, PHYSICON-RAJ 2024, 16<sup>th</sup>-17<sup>th</sup> Mar 2024, JLNMC Ajmer
3. Shobhawat M, **Srivastav S**, Shukla RK, Bhagat OL. Effect of disease duration on cardiac autonomic functions in patients with Diabetes mellitus. PHYSICON-RAJ 2024, 16<sup>th</sup> -17<sup>th</sup> Mar 2024, JLNMC Ajmer
4. Shobhawat M, **Srivastav S**, Shukla RK, Bhagat OL. Evaluation of vascular response to short term head down tilt in patients with Diabetes Mellitus using pulse arrival time. ISHR 2024, AIIMS Jodhpur.
5. Kumari R, **Srivastav S**, Krishna H, Bhagat OL, Nayak P. Effect of pelvic suspension on heart rate variability in Wistar Rats. PHYSICON-RAJ 2024, 16<sup>th</sup>-17<sup>th</sup> Mar 2024, JLNMC Ajmer
6. Venu JS, **Srivastav S**, Shukla R, Dutt N, Mehta B. Pulmonary function impairment in Diabetes Mellitus: What does the literature say? PHYSICON-RAJ 2024, 16<sup>th</sup>-17<sup>th</sup> Mar 2024, JLNMC Ajmer
7. Sreeparvathy H, Gadhvi MA, **Srivastav S**, Bhagat OL, Dixit A. Effect of affective stimuli on cardiac autonomic tone. PHYSICON-RAJ 2024, 16<sup>th</sup>-17<sup>th</sup> Mar 2024, JLNMC Ajmer

#### **Sessions Chaired:**

1. Judge for poster presentation session. PHYSICON-RAJ 2024, 17<sup>th</sup> Mar 2024, JLNMC Ajmer

#### **Invited Lectures**

1. Invited as Expert speaker for online APPI ADI Application Webinar: AFT through Quantification of Resting Cardiovascular Variabilities. Held as a joint initiative between the Association of Physiologists and Pharmacologists of India (APPI) & AD Instruments, 28<sup>th</sup> Mar 2024

#### **Symposium Speaker**

1. "Autonomic dysfunction in Traumatic brain injury.". IAPMR National Midterm CME. Sep 2023, AIIMS Jodhpur
2. "Integrating Cardiovascular Physiology into clinical practice." ICONBAP 2023, Dec 2023, Ahmedabad, Gujarat.

#### **Research Projects:**

##### **Ongoing:**

##### **As Principal Investigator**

1. Assessment of vascular adaptations to microgravity simulation using dry immersion in a rat model (Intramural project)

**As Co-Investigator**

1. Activity of central sulcus identification by neuronavigation and by neuromonitoring in surgeries near peri Rolandic cortex (Intramural project)

**Scientific Awards**

1. Sm. Subha Mukerjee Memorial Oration Award, The Physiological Society of India, PHYSICON-RAJ 2024 held at Ajmer Rajasthan, 17<sup>th</sup> Mar 2024
2. Prof. NS Dhalla Award for best poster in basic sciences. Award by Indian Society of Heart Research, ISHR 2024 conference, AIIMS Jodhpur.
3. Prof CC Kartha Travel grant (as co-author). Award by International Society of Heart Research, ISHR 2024 conference, AIIMS Jodhpur.
4. Best poster award (as co-author), PHYSICON-RAJ 2024, Ajmer Rajasthan.

**Examinership**

1. MBBS (Supplementary Examinations). AIIMS Jodhpur, 18<sup>th</sup>-19<sup>th</sup> April 2023
2. MBBS (Regular Examinations). AIIMS New Delhi. 25<sup>th</sup> -27<sup>th</sup> Oct 2023
3. MBBS (Regular Examinations). AIIMS Guwahati. 6<sup>th</sup>-8<sup>th</sup> Nov 2023
4. MBBS (Regular Examinations). Dr. SNMC Jodhpur, 10<sup>th</sup>-13<sup>th</sup> Dec 2023
5. MBBS (Supplementary Examinations). AIIMS New Delhi, 6<sup>th</sup> Jan 2024
6. MBBS (Regular Examinations). AIIMS Jodhpur, 18<sup>th</sup> -21<sup>st</sup> Oct 2023
7. MBBS (Supplementary Examinations). AIIMS Jodhpur, 16<sup>th</sup> Jan 2024

**Membership/Post in Journal or Society or Association**

1. Associate Editor, Indian Journal of Physiology and Pharmacology.

**National/ International Conferences attended:**

1. PHYSICON-RAJ 2024. 16<sup>th</sup> -17<sup>th</sup> Mar 2024, JLNMC Ajmer Rajasthan.

**Name of Faculty: Dr. Pooja Ojha****Designation: Associate Professor****Papers Presented:**

1. Vani V, Ojha P, Gadhvi MA, Dixit A. Effect of colored lights on performance in letter cancellation tasks in healthy individuals, ASSOPICON 2023, 28<sup>th</sup>-30<sup>th</sup> Oct 2023, KGMU Lucknow

**Sessions Chaired:**

1. Poster session, PHYSICON-RAJ 2024, 17<sup>th</sup> Mar 2024, JLNMC Ajmer

**Invited Lectures**

1. Basics of Electroencephalogram. Online Lecture Series by Physiological Society of India, 13<sup>th</sup> July 2023

2. Spectrum of Quantitative EEG application in Neurophysiology, ASSOPICON 2023, 28<sup>th</sup>-30<sup>th</sup> Oct 2023, KGMU Lucknow
3. Quantitative EEG as a tool in Neurophysiology research, APPICON 2023, 29<sup>th</sup> Nov-2<sup>nd</sup> Dec 2023, AIIMS Kalyani
4. Use of Artificial Intelligence in healthcare and research, PHYSICON-RAJ 2024, 17<sup>th</sup> Mar 2024, JLNMC Ajmer

### **Symposium Speaker**

1. Yogic interventions for tackling mental health issues: A desideratum for contemporary times, IAN conference, Jiwaji University Gwalior, 3<sup>rd</sup>-6<sup>th</sup> Oct 2023

### **Resource Faculty:**

1. Outreach Program for School children during "Physiology Week", 20<sup>th</sup> -24<sup>th</sup> Nov 2023, DPS Jodhpur

### **Research Project:**

#### **Ongoing:**

##### **As Principal Investigator**

1. Quantitative sensory testing of allodynia in migraine: Its association with endogenous sex hormones & TRPV1 [AIIMS Jodhpur]

##### **As Co-Investigator**

1. Effect of 2 types of relaxation techniques on stress and cardiac oscillations among healthy volunteers (with NIMHANS, Bengaluru)

#### **Completed:**

##### **As Principal Investigator**

1. Electroencephalographic Analysis in Migraine clinical phenotypes [Nonfunded]
2. Effect of 'Kriya Yoga' on brain oscillations and perceived stress in health care providers, during COVID-19 Pandemic: A Pilot Study [Department of Science and Technology]

### **Scientific Awards**

1. Fellowship awarded by Indian Society of Chronomedicine, 2<sup>nd</sup> Dec 2023
2. Best paper publication award by Indian Society of Chronomedicine, 2<sup>nd</sup> Dec 2023
3. APPI Award for Best Research Paper in Endocrinology/Neuro-endocrinology Physiology/Pharmacology or allied sciences, instituted in the name of A V Tilak Parvathi Devi, AIIMS Kalyani
4. Best poster presentation award (coauthor) at ASSOPICON 2023 held at King George Medical University, 27<sup>th</sup>-29<sup>th</sup> Oct 2023, KGMU Lucknow

### **Examinership**

1. MBBS (Supplementary exam) at Dr. SNMC, Jodhpur, held on 12<sup>th</sup> Feb 2024
2. MBBS (Main exam) at Dr. SNMC, Jodhpur, held on from 10<sup>th</sup>-13<sup>th</sup> Dec 2023
3. MBBS (Main exam) at GMC, Pali held from 4<sup>th</sup>-6<sup>th</sup> Dec 2023



**Membership/Post in Journal or Society or Association**

1. Editorial Board member; South Asian Association of Physiologists (SAAP) bulletin January 2023
2. Member Royal Society of Biology
3. Executive committee member of The PSI Rajasthan branch

**National/ International Conferences attended:**

1. IAN conference, Jiwaji University Gwalior, 3<sup>rd</sup>-6<sup>th</sup> Oct 2023
2. ASSOPICON 2023, 27<sup>th</sup>-29<sup>th</sup> Oct 2023, KGMU Lucknow
3. APPICON 2023, AIIMS Kalyani, 29<sup>th</sup> Nov -2<sup>nd</sup> Dec
4. PHYSICON-RAJ 2024, JLNMC Ajmer Rajasthan, 16<sup>th</sup> -17<sup>th</sup> March 2024

**Name of Faculty: Mahesh Arjundan Gadhvi**

**Designation: Assistant Professor**

**Papers Presented:**

1. Gadhvi MA, Dixit A, Baranwal A, Chalakapure A. The Impact of Font Type on the Working memory and Attention, 9th Annual National Conference of the Association of Physiologists of India, ASSOPICON 2023, 27<sup>th</sup>-29<sup>th</sup> Oct 2023, KGMU Lucknow

**Symposium Speaker**

1. Symposium on Techniques for Neurophysiological Assessment in health and disease: Application of Evoked Potentials in Intraoperative Neurophysiology. 69<sup>th</sup> Annual conference of Physiologists and Pharmacologists of India - APPICON 2023, AIIMS, Kalyani.

**Resource Faculty:**

1. Outreach Program for School children during "Physiology Week", 20<sup>th</sup> -24<sup>th</sup> Nov 2023, DPS Jodhpur

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. Comparison of Facial nerve prognosis predictability by free-running electromyography and direct nerve stimulation during Cerebellopontine angle tumour removal surgery
2. Effect of Font type on N-back test and letter cancellation task
3. Analysis of retrospective data of Intraoperative neuromonitoring techniques used in Neurosurgeries"
4. Accuracy of central sulcus identification by Neuronavigation and by Neuromonitoring in surgeries near Periolandic cortex (Intramural)

**Examinership:**

1. BPT part I (Physiology) supplementary examination at Government Physiotherapy College, Jodhpur, 5<sup>th</sup> Aug 2023

### Membership/Post in Journal or Society or Association

1. Associate editor of Indian Journal of Physiology and Pharmacology
2. Life member of Indian Academy of Neurosciences

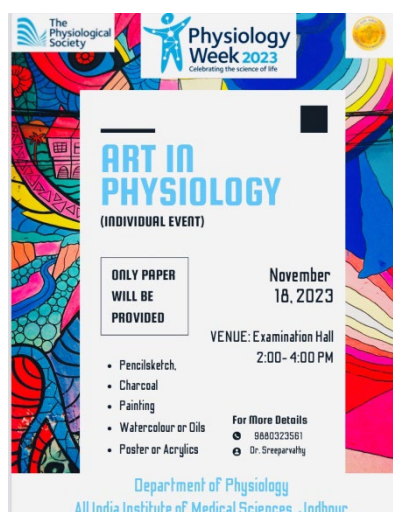
### National/ International Conferences attended:

1. 9<sup>th</sup> Annual National Conference of the Association of Physiologists of India, ASSOPICON 2023, 27<sup>th</sup>-29<sup>th</sup> Oct 2023, KGMU Lucknow
2. 69<sup>th</sup> Annual conference of Physiologists and Pharmacologists of India - APPICON 2023, organized by Departments of Physiology & Pharmacology, AIIMS, Kalyani, 29<sup>th</sup> Nov -2<sup>nd</sup> Dec

### Conference organized by the Department

#### Physiology Week, 20<sup>th</sup>-24<sup>th</sup> Nov 2023

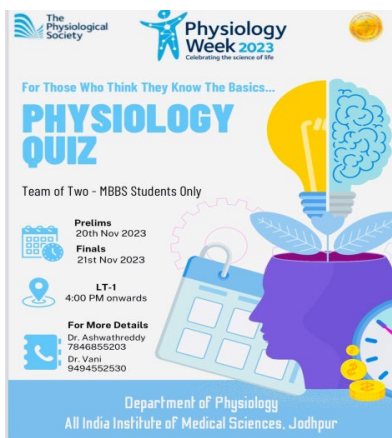
The Department celebrated the Physiology week from 20<sup>th</sup> -24<sup>th</sup> Nov 2023 under the aegis of The Physiological Society, UK. As a part of celebration, various activities were planned and conducted during the week. Physiology quiz was organized for undergraduate students. The top three winning team members were felicitated with certificates and prizes. The second activity was “Art in Physiology” competition that was open for all undergraduate students from MBBS and Nursing courses. The art competition intended to infuse a sense of visualization of art in Physiology of human body among the students. Prizes and certificates were given to the top three participants. The third activity under the Physiology week was an Outreach program for the school children. The students of seventh standard were introduced to physiological concepts using simple activities like memory test, examination of pulse, Stereognosis, motor coordination etc. The faculty and residents of the department interacted with the students and helped them to develop interest towards learning physiological skills. The celebration concluded with distribution of prizes & certificates by Hon’ble Executive Director Dr. Madhabanandan Kar, and group photograph.



Art in Physiology



During outreach activities for children



Physiology Quiz



During Certificate distribution



Group photograph with Hon'ble Executive Director Dr. Madhabanandan Kar

## Department of Psychiatry

S.No.	Name	Designation
1	Dr. Naresh Nebhinani	Professor & Head
2	Dr. Mukesh Kumar Swami	Additional Professor
3	Dr. Navratan Suthar	Associate Professor
4	Dr. Pranshu Singh	Assistant Professor
5	Dr. Vijay Kumar Saini	Assistant Professor
6	Dr. Tanu Gupta	Clinical Psychologist
7	Mrs. Luxmi Devi	Social Psychologist

### About the Department

The Department of Psychiatry started its outpatient department facility in July 2013 and an inpatient facility in 2014. We are providing medical care to children, adolescents, adults and elderly patients with psychological issues or mental disorders, substance abuse disorders and sexual disorders.

In our outpatient department we treat both new and referred patients with common psychiatric disorders, severe mental illness, psychosomatic disorders, stress related problems, childhood disorders, geriatric problems, substance use disorders, marital and psycho-sexual disorders, behavioral addiction like gambling disorder, internet gaming disorder, etc. We are providing Pharmacotherapy, Electroconvulsive Therapy (ECT), Transcranial Magnetic Stimulation (TMS), Biofeedback, psychological tests and psychotherapy such as behavioral therapy, cognitive behavior therapy etc., and various relaxation exercises. We also provide Consultation-Liaison Psychiatry services, in which a dedicated team visits the patients admitted in other medical wards of the hospital, who had been referred for psychiatric evaluation or management.

We are running the following Specialty clinics: Consultation- Liaison Clinic (CL clinic – On all days), Drug Deaddiction Clinic (DDC) (On all days), Marital and Psychosexual Clinic (Wednesday), Child and Adolescent Psychiatry Clinic (CAPC) (Thursday) and Geriatric Mental Health Clinic (GMHC) (Saturday). We are also providing regular services in following Integrated Clinics: Pain Clinic (Wednesday) under Anesthesia department and Geriatric Clinic (Saturday) under Medicine department.

We are also providing services at Community Health Clinic (CHC), Dhundhara on every Thursday and psychiatry residents are posted there once a week as part of their training and to provide psychiatric services at community level.

We are teaching clinical skills, basic sciences and applications of psychiatry to MBBS, B.Sc Nursing (Hons), MD Psychiatry, MSc (Psychiatric Nursing), MD Community Medicine & Family Medicine (CMFM), MD Family Medicine, MD Emergency Medicine, and DM Neurology Residents. Additionally, we have weekly departmental academics in the form of seminars, journal clubs, case conferences and a psychotherapy forum.

The Department also runs Fellowship course in Consultation Liaison Psychiatry with two seats per year.

The Department conducted various public awareness activities on the occasion of World Bipolar day, World Autism Awareness Month, World Schizophrenia Day, World No Tobacco Day, International Day Against Drug Abuse and Illicit Trafficking, World Suicide prevention Day and Mental Health Week. The

activities included public lecture, skill building workshops for patients and clinicians and addressing mental health related important issues through media platforms like newspaper and radio.

Our faculty members have participated in several academic forums- conferences, workshops and developing clinical practice guidelines and delivered guest lectures.

### Compiled list of Publications of the department:

#### Papers

#### Pubmed Indexed:

1. Nebhinani N, Kuppli PP, Mamta. Feasibility and Effectiveness of Stress Management Skill Training in Medical Students. *Med J Armed Forces India*. 2024;80(2):140-144.
2. Menon V, Balasubramanian I, Rogers ML, Grover S, Lakdawala B, Ranjan R, Sarkhel S, Nebhinani N, et al. Psychometric properties and factor structure of the Suicidal Narrative Inventory in Major Depression: A multicentric evaluation. *Asian J Psychiatry* 2024;95:104002.
3. Khandelwal H, Jain K, Raj AB, Chahar A, Rajpurohit S, Biyyala D, Nebhinani N, Suthar N. Atomoxetine Associated Activation Syndrome in Adolescent Patients with ADHD. *Journal of Clinical Psychopharmacology* 2024 Jun 21. doi: 10.1097/JCP.0000000000001875.
4. Menon V, Balasubramanian I, Rogers MB, Grover S, Lakadwala B, Ranjan R, Sarkhel S, Nebhinani N, et al. Factor structure, reliability, and validity of the revised Suicide Crisis Inventory in Major Depression: A multicentric Indian Study. *Journal of Affective Disorder* 2024 Jan 15;345:226-233
5. Rao GP, Koneru A, Nebhinani N, Mishra KK. Developing Resilience and harnessing Emotional Intelligence. *Indian J Psychiatry* 2024;66(Suppl 2): S255–S261.
6. Sharma K, Parihar A, Sharma SK, Nebhinani N, Mudakavi IB. Nomophobia and Its Impact on Mindfulness and Self-efficacy among Nurses: An Analytical Cross-sectional Study in the Institution of National Importance, Western India. *Journal of Education and Health Promotion* 2023 (accepted)
7. Grover S, Sahoo S, Mishra KK, Deep R, Nebhinani N, Bhattacharya R, Aneja J, Kalivayalil RA, Chatterjee SS, Menon V, Subramanyam AA, Punnoose VP, Desouza A, Mehra A, Subodh BN, Avasthi A. Prevalence of mixed features in patients with first-episode depression: An exploratory multicentric study. *Indian J Psychiatry*. 2023;65(6):671-679.
8. Grover S, Avasthi A, Chakravarty R, Dan A, Chakraborty K, Neogi R, Desouza A, Nayak O, Praharaj S, Menon V, Pattanayak R, Bathla M, Subramanyan A, Nebhinani N, et al. Insight in patients with bipolar disorder: Findings from the bipolar disorder course and outcome study from India (BiD-CoIN study). *Indian J Psychiatry*. 2023;65(7):767-73.
9. Grover S, Avasthi A, Chakravarty R, Dan A, Chakraborty K, Neogi R, Desouza A, Nayak O, Praharaj S, Menon V, Pattanayak R, Bathla M, Subramanyan A, Nebhinani N, et al. Disability and its correlates among persons with bipolar disorder: Exploratory findings from the bipolar disorder course and outcome study from India (BiD-CoIN study). *Indian J Psychiatry*. 2023;65(7):760-6.
10. Grover S, Avasthi A, Chakravarty R, Dan A, Chakraborty K, Neogi R, Desouza A, Nayak O, Praharaj S, Menon V, Pattanayak R, Bathla M, Subramanyan A, Nebhinani N, et al. Subjective cognitive deficits and its correlates among patients with bipolar disorder: Findings from the bipolar disorder course and outcome study from India (BiD-CoIN study). *Indian J Psychiatry*. 2023;65(3):345-355.
11. Singh O, Ameen S, Andrade C, Avula VCR, Basu D, Bhandari SS, Bhatia MS, Brahma A, Das S, Deb KS, Desouza A, Ghosh P, Goyal N, Grover S, Gupta N, Harbisetkar V, Kar SK, Kumar V, Vijayanthi, IP, Lakdawala B, Mahapatra S, Mehta V, Menon V, Mishra KK, Nebhinani N, et al. A consensus statement from editors of psychiatry journals published in India. *Indian Journal of Psychiatry* 2023;65(5):493-497. (PubMed indexed)

12. Verma V, Soni PK, Nebhinani N. The salience of the motor domain in the risk of psychosis. *Lancet Psychiatry* 2023;10(5):314-15.
13. Birdi A, Tomo S, Yadav D, Sharma P, Nebhinani N, Mitra P, Banerjee M, Purohit P. Role of Klotho Protein in Neuropsychiatric Disorders: A Narrative Review. *Ind J Clin Biochem* 2023;38:13-21.
14. Vyas H, Nebhinani N, Suthar N, Sharma P. Vascular age, cardiovascular disease risk factors, and hematological parameters in patients with Schizophrenia: An exploratory study. *Journal of Neuroscience in Rural Practice* 2023;14:149-153.
15. Singhai K, Aneja J, Swami M, Gehlawat P. Utilization of Cultural Formulation Interview to understand the factors affecting treatment adherence and help-seeking in mood disorders: A qualitative study from Western India. *Indian J Psychiatry* 2024 ;66(2):179-190.
16. Shamim MA, Manna S, Dwivedi P, Swami MK, Sahoo S, Shukla R, Srivastav S, Thaper K, Saravanan A, Anil A, Varthya SB, Singh S, Shamim MA, Satapathy P, Chattu SK, Chattu VK, Padhi BK, Sah R. Minocycline in depression not responding to first-line therapy: A systematic review and meta-analysis. *Medicine (Baltimore)* 2023;102(45):e35937.
17. Chakrabarti S, Jolly AJ, Singh P, Yadhav N. Role of adjunctive nonpharmacological strategies for treatment of rapid-cycling bipolar disorder. *World J Psychiatry* 2023;13(8):495-510.
18. Ghosh A, Singh GK, Yadav N, Singh P, Kathiravan S. Brief interventions for alcohol misuse among people living with HIV: a meta-analysis. *Am J Drug Alcohol Abuse*. 2023;49(6):766-786.

#### **Non-Pubmed Indexed:**

1. Mishra V, Rajpurothi SS, Nebhinani N. Bhagavad Gita and psychotherapy: Applications & handling concerns. *Med J DY Patil Vidyapeeth* 2024 (accepted) (Scopus indexed)
2. Mishra V, Rajpurothi SS, Nebhinani N. Bhagavad Gita and psychotherapy: Relevance and applications. *Med J DY Patil Vidyapeeth* 2023;16:495-9. (Scopus indexed)
3. Nebhinani N, Singh P, Mamta N. Preventive strategies for Substance use in Children and Adolescents: Substance use in Children and Adolescents. *Annals of Psychiatry* 2023;1:1-3. (Non-indexed)
4. Suthar N, Pany S. Recent updates in Illicit Substances. *APSI Newsletter* (2nd Issue March 2024).
5. Gupta T, Gehlawat P. Strengthening Human Development: Mindfulness, Hope & Optimism. *Developmental Perspectives on Positivity*. (In Press)

#### **Workshops/ Conferences Organized**

1. Workshop for Teachers on Autism Awareness month, at Navjyoti Manovikas Kendra, Jodhpur, 8<sup>th</sup> April, 2023.
2. Skill building Workshop for Mental Health Professionals on Autism Awareness month, Navjyoti Manovikas Kendra, Jodhpur, 13<sup>th</sup> April, 2023.
3. Parent Skill training program for Autism Spectrum Disorder (ASD) on 8<sup>th</sup> April 2023, at Navjyoti Manovikas Kendra, Jodhpur as a part of Autism awareness month.
4. Workshop on World Schizophrenia awareness day for patients and family members (24<sup>th</sup> May, 2023)
5. Integrated Camp at Dental OPD for Tobacco cessation (31<sup>st</sup> May 2023)
6. Interactive session on World Schizophrenia awareness day for patients and family members (24<sup>th</sup> May, 2023)
7. Awareness activities (Akashvani talk, skit, movie screening, poster making and slogan competition) on Suicide prevention week (8<sup>th</sup>-15<sup>th</sup> September 2023)



8. Awareness activities (Camp, Akashvani talks, skit, poster making, Extempore, Public lecture, health talks, essay competition etc.) on World Mental Health week (4<sup>th</sup>-10<sup>th</sup> October 2023)
9. Workshop on 'Presentation Skills and Research Tips' for Psychiatry Residents (22<sup>nd</sup> December 2023)

#### **Eminent Visitors:**

1. **Dr. Kaushik Sinha Deb** (Additional Professor, AIIMS-Delhi), presentation on "Digital Psychiatry for Research" on 12<sup>th</sup> September, 2023.

#### **Name of Faculty: Dr Naresh Nebhinani**

#### **Designation: Professor and Head**

#### **Books/Chapters**

1. Rajpurohit SS, Nebhinani N. Course and Outcome of Dhat Syndrome. In: Kar SK, Arafat SMY, Menon V, editors. Dhat Syndrome. Springer, Singapore, 2024. [https://doi.org/10.1007/978-981-99-8870-9\\_5](https://doi.org/10.1007/978-981-99-8870-9_5)
2. Nebhinani N, Choudhary S, Gupta T. Non suicidal self-injury: Indian perspective. In: Sarkhel S, Kumar V, Vijayakumar L, Parkar SR, Editors. Suicide Indian Perspectives. 1st ed. New Delhi: Jaypee Brothers Medical Publishers(P) Ltd. 2023. p 77-91. [ISBN: 977-93-5465-763-4]

#### **Papers Presented:**

1. Nebhinani N. Examining the devastating reality: Child abuse and assessment of sexual abuse in children. 23<sup>rd</sup> Post Graduate Development Program, by Indian Psychiatric Society- North Zone (8<sup>th</sup> - 9<sup>th</sup> July, 2023, Kota)
2. Nebhinani N. Didactic on "Self-Regulation" for National Assistance in Mental-health for Health providers and Administrators., (NAMHA) 1.0" VKN Tele ECHO session (23<sup>rd</sup> May, 2023, virtually)
3. Nebhinani N. Digital Media and Child Health. At Golden Jubilee Conclave (3<sup>rd</sup> September 2023, SDMH Auditorium, Jaipur)
  - a. Nebhinani N, Suthar N, Tripathi S, Saini V. Impact of Psycho-educational intervention for Metabolic syndrome in patients with Schizophrenia. 63<sup>rd</sup> Annual Conference of National Academy of Medical Sciences (6<sup>th</sup>-8<sup>th</sup> October, 2023, Bangalore)
4. Nebhinani N. Anxiety disorder: Presentation and management tips in Webinar on 'Lets learn about Stress and its consequences' for School Teachers of Jammu & Kashmir (9<sup>th</sup> October, 2023, Online mode)
5. Gupta C, Sevda P, Nebhinani N, Suthar N. Psychogenic vomiting: A case series at Diamond Jubilee International Conference on Mental Health (Chandigarh, 14th-16th September 2023) as co-author)
6. Sevda P, Nebhinani N, Banerjee M. Association of Sleep disturbances, Screen use with Suicidal behaviour among patients with Depressive disorder. For Dr Gehlot Award at 38th Annual Conference of Indian Psychiatric Society Rajasthan State Branch (Udaipur, 23rd-24th September 2023) (as Co-author)

#### **Sessions Chaired:**

1. Chaired session on 'Assessment and management of Intellectual disability.' At 23rd Post Graduate Development Program, by Indian Psychiatric Society- North Zone (8th – 9th July, 2023, Kota)

2. Chaired Webinar session on 'Treatment implications of longitudinal course of Bipolar disorder' (Thursday Musing 24th August, 2023, Online)
3. Chaired Symposium on 'Wellbeing of Students, Teachers and Parents- A solution focused School based intervention to address mental health of school children' in Diamond Jubilee International Conference on Mental Health (14th-16th September 2023, Chandigarh)
4. Chaired Plenary session on 'Assessing and managing complex multi-morbidity in children and young people' in Diamond Jubilee International Conference on Mental Health (14<sup>th</sup> -16<sup>th</sup> September 2023, Chandigarh,)
5. Chaired Webinar on 'Child sexual abuse: Clinical & legal aspects' under the aegis of Delhi Psychiatric Society (17<sup>th</sup> September 2023, Sunday Serving, Online)
6. Chaired Presidential address on 'Where there are minimal resources for Recovery in Psychotic disorders: Finding resources in General hospital setting' at 48th Annual Conference of Indian Psychiatric Society – North Zone (27<sup>th</sup>-28<sup>th</sup> October, 2023, Srinagar)

### Invited Lectures

1. Nebhinani N, Tyagi S. Concept of mental health & tips for positive mental health (28<sup>th</sup> April, 2023, Assembly of Army Public School, Jodhpur)
2. Nebhinani N. Common psychological issues among adolescents. (28<sup>th</sup> April, 2023, Army Public School, Jodhpur)
3. Nebhinani N. Common psychological issues among adolescents (Online training session for School Counsellors). (12<sup>th</sup> May, 2023, Institute of Counsellor Training Research and Consultancy)
4. Nebhinani N. Common psychological problems and Tips for positive mental health (Sambodhi dham, Jodhpur, 13<sup>th</sup> May, 2023)
5. Nebhinani N, Gupta T, Tyagi S. Session for Teacher on 'Identification of common psychological issues among children and adolescents (19<sup>th</sup> May 2023, Army Public School, Jodhpur)
6. Nebhinani N. Dealing with depression in college years (19<sup>th</sup> May 2023, Lachoo Memorial College, Jodhpur)
7. Nebhinani N, Verma V. Tips for parents to prevent and handle digital addiction in children (part-1) (20<sup>th</sup> May 2023, Indra Yog Sansthan, Jodhpur)
8. Nebhinani N. Didactic on "Self-Regulation" for National Assistance in Mental-health for Health providers and Administrators., (NAMHA) 1.0" VKN Tele ECHO session (23<sup>rd</sup> May, 2023, virtually)
9. Nebhinani N. Tobacco use disorders: Need for integrated treatment approach. (27<sup>th</sup> May, 2023, Dr S R Rajasthan Ayurved University, Jodhpur)
10. Nebhinani N. Psychiatric problems in Elderly. In Training of Medical Officers in Comprehensive Geriatric Care (12<sup>th</sup> July, 2023, e Classroom, AIIMS Jodhpur)
11. Nebhinani N, Verma V. Tips for parents to prevent and handle digital addiction in children (part-2) (29<sup>th</sup> July 2023, Indra Yog Sansthan, Jodhpur)
12. Nebhinani N. Digital Media and Child Health. At Golden Jubilee Conclave (3<sup>rd</sup> September 2023, SDMH Auditorium, Jaipur)
13. Nebhinani N, Tyagi S. Session for Teacher on 'Identification of common psychological issues among children and adolescents (9<sup>th</sup> September 2023, Vidhyashram International School, Jodhpur)
14. Nebhinani N. Anxiety disorder: Presentation and management tips in Webinar on 'Lets learn about Stress and its consequences' for School Teachers of Jammu & Kashmir (9<sup>th</sup> October, 2023, Online mode)



15. Nebhinani N. Stress and Time management for Coaching students (10<sup>th</sup> October 2023, Utkarsh Academy, Jodhpur)
16. Nebhinani N. Wellness: Self-care and self-management skill for Team leaders of Coaching institute (10<sup>th</sup> October 2023, Utkarsh Academy, Jodhpur)
17. Nebhinani N. Empowering Educators and Parents: Intervention and Prevention of Substance and Behavioral Addictions in Children (Online session for School Teachers). (10<sup>th</sup> March, 2024, Institute of Counsellor Training Research and Consultancy)

### Symposium Speaker

1. Nebhinani N. Examining the devastating reality: Child abuse and assessment of sexual abuse in children. 23<sup>rd</sup> Post Graduate Development Program, by Indian Psychiatric Society- North Zone (8<sup>th</sup> – 9<sup>th</sup> July, 2023, Kota)
2. Nebhinani N, Aneja J, Chauhan N. Addressing child sexual abuse in India using an integrated multidisciplinary approach (symposium) at Diamond Jubilee International Conference on Mental Health (14<sup>th</sup>-16<sup>th</sup> September 2023, Chandigarh)
3. Nebhinani N, Suthar N, Tripathi S, Saini V. Impact of Psycho-educational intervention for Metabolic syndrome in patients with Schizophrenia. 63<sup>rd</sup> Annual Conference of National Academy of Medical Sciences (6<sup>th</sup>-8<sup>th</sup> October, 2023, Bangalore)
4. Girimaji S, Nebhinani N, Ramaswamy S. Curating Safety Nets in the Difficult Situations (invited symposium). 17<sup>th</sup> Biennial National Conference of Indian Association for Child and Adolescent Mental Health (16<sup>th</sup> – 18<sup>th</sup> November, 2023, NIMHANS, Bengaluru)

### Resource Faculty:

1. **Panelist** in session on 'Scope of doing Research in Private practice' for IPS Gujarat State Branch (22<sup>nd</sup> April, 2023, Ahmedabad)
2. **Panelist** in session- Management strategies and dual diagnosis. Midterm CME of Indian Psychiatric Society- Rajasthan state chapter (30<sup>th</sup> April, 2023, Sri Ganganagar)
3. **Judge** for Poster session in Diamond Jubilee International Conference on Mental Health (14<sup>th</sup>-16<sup>th</sup> September 2023, Chandigarh)
4. Nebhinani N, Gupta T. Workshop on 'Parent management training in children with Attention deficit hyperactive disorders' at 38<sup>th</sup> Annual Conference of Indian Psychiatric Society Rajasthan State Branch (23<sup>rd</sup>-24<sup>th</sup> September 2023, Udaipur)
5. **Panelist** in 'Real world legal and ethical challenges in De-addiction' at 38<sup>th</sup> Annual Conference of Indian Psychiatric Society Rajasthan State Branch (23<sup>rd</sup>-24<sup>th</sup> September 2023, Udaipur)
6. Vaishnav M, Nebhinani N. Non-pharmacological treatment approaches for treatment adherence (Psychoeducation, CBT) (Workshop). Mid-year Conference of Indian Psychiatric Society (MIDCIPS) (28<sup>th</sup>-29<sup>th</sup> October, 2023, Srinagar)

### Research Project:

#### Ongoing:

#### As Principal-Investigator (Site PI)

1. Pathways to Resilience and Mental Health' [PARAM] [Extramural project- ICMR]

2. Evaluation of Burnout, Stress, Coping Skills, Social media use, and Metacognitive Beliefs among High school students of Jodhpur City: A Pilot Study
3. Assessment of ECG changes in patients diagnosed with depressive disorders: A cross-sectional study with comparative group
4. Long term Course and Outcome and Comorbidity in patients with bipolar disorder: A Multicentric Study

#### **As Co-Investigator-**

1. Assessment of cognitive functions and functional disability among symptomatic and remitted patients with depression [Intramural project- AIIMS Jodhpur]
2. Cognitive functions among patients dependent on smokeless tobacco and its association with cardiovascular risk factors and urine cotinine: A cross sectional study from a tertiary care center [Intramural project- AIIMS Jodhpur]
3. Prevalence and Predictors of Diabetes Distress among adolescents and adults with Type 1 Diabetes mellitus
4. A descriptive, survey-based, mixed methods study of Drug Overdose in substance use disorder [Extramural project- Ministry of Social Justice, PI: Dr Navratan Suthar]
5. Cross-sectional study to assess the suitability of MODIA's content in Asian-Indian population [Extramural project- IndoSweden Collaboration, PI: Dr Navratan Suthar]
6. Multistate implementation research study on Suicide risk reduction and improving mental wellbeing among School and College students [Extramural project- ICMR, PI: Dr Neeti Rustagi]
7. National Mental Health Survey-2 [Extramural project- Ministry of Health, PI: Dr Neeti Rustagi]
8. ICMR & FORTE – “M- Health based intervention by community workers to support family caregivers to persons with dementia living at home [Extramural project- ICMR & FORTE, PI: Dr Pankaj Bhardwaj]
9. Psychosocial and Economic Effect of Dementia Caregiving and Factors Associated: A Multicenter study [Extramural project- ICMR, PI: Dr Pankaj Bhardwaj]
10. Detecting behavioral health disorders of Older adults using self-supervised learning and causal reasoning [Extramural project- IDEAS, TIH at ISI Kolkata, PI: Dr Suchetana Chakraborty (IIT Jodhpur) & Dr Pankaj Bhardwaj (AIIMS Jodhpur)]
11. Breast Cancer Survival Studies [Extramural project- ICMR DHR, Site PI: Dr Pankaja Raghav]
12. Internalized stigma and quality of life among patients dependent on natural opium: An observation study from Western Rajasthan (Co-Investigator)
13. Opioid Enteropathy: Clinical, endoscopic, radiological and histopathological features: A prospective observational study (Co-Investigator)
14. Assessment of macroprolactinemia in antipsychotic drug induced hyperprolactinemia in patients with Schizophrenia and its effect on drug regimens (Co-Investigator)
15. Association between pain catastrophizing scale (PCS) scores and Heart Rate Variability in patients with chronic myofascial pain syndrome (Co-Investigator)
16. Predicting Return to Sports after ACL Reconstruction: A comprehensive approach encompassing physical, functional and psychosocial components (Co-Investigator)
17. Development of Entrustable Professional Activity-based psychiatry curriculum Modules for interns (Co-Investigator)

#### **Completed:**

#### **As Principal-Investigator (Site PI)**

1. Prevalence of mixed features in patients with First episode Depression: A Multicentric Study [Indian Psychiatric Society project]
2. Correlates of the suicide crisis syndrome in major depression: A multicentric exploratory study [Indian Psychiatric Society]

#### **As Co-Investigator-**

1. Attitude and barrier in seeking psychological help among undergraduate college students
2. Prevalence and Predictors of Diabetes Distress among adolescents and adults with Type 1 Diabetes mellitus
3. Pathways to care in patients with drug and alcohol dependence: a multi-center study from India

#### **Scientific Awards/Patents**

##### **Awards:**

1. **Dr Anil Tambi Workshop Award** at 38<sup>th</sup> Annual Conference of Indian Psychiatric Society Rajasthan State Branch (Udaipur, 23<sup>rd</sup>-24<sup>th</sup> September 2023)
2. **Dr Gehlot Award** at 38<sup>th</sup> Annual Conference of Indian Psychiatric Society Rajasthan State Branch (Udaipur, 23<sup>rd</sup>-24<sup>th</sup> September 2023) (as Co-author)
3. **Appreciation award** for publication of four Books at 1<sup>st</sup> Research Day (AIIMS Jodhpur, 13<sup>th</sup> January 2024)
4. **The Poona Psychiatrists Association Award-1** (PPA-1) (as co-author) at 75<sup>th</sup> Annual National Conference of Indian Psychiatric Society (Kochi, 18<sup>th</sup>-21<sup>st</sup> January 2024)

#### **Examinership**

1. Examiner in PDF Child Psychiatry Examination at JIPMER Pondicherry (20.06.23)
2. MD Examiner at AIIMS Raipur (22.07.23)
3. MD Examiner at Geetanjali Medical College, Udaipur (09.08.23)
4. Expert in Selection committee for Faculty recruitment at AIIMS Guwahati (01.12.23)

#### **Membership/Post in Journal or Society or Association**

1. **Associate Editor:** Annals of Psychiatric Research (2023 onwards)
2. **Co-Chairperson**, Indian Psychiatric Society, Research & Training Foundation Sub-committee (2023)
3. **Co-Chairperson**, Indian Psychiatric Society, Conference- Sub-committee (2024)

#### **National/ International / Zonal Conferences attended:**

1. 1<sup>st</sup> Editors meeting under the aegis of Indian Psychiatric Society (22<sup>nd</sup> April, 2023)
2. Midterm CME of Indian Psychiatric Society- Rajasthan state chapter (30<sup>th</sup> April, 2023, Sri Ganganagar)
3. 23<sup>rd</sup> Post Graduate Development Program, by Indian Psychiatric Society- North Zone (Kota, 8<sup>th</sup> – 9<sup>th</sup> July, 2023)
4. National Workshop on Mental Health & Wellbeing Clinical Practice Guidelines for Psychiatrist in India (12<sup>th</sup>-13<sup>th</sup> August, 2023, Jaipur)
5. Workshop- 'Closing the loop: A pragmatic guide to Grant writing & management' (19<sup>th</sup> August, 2023, Bangalore)

6. Diamond Jubilee International Conference on Mental Health (Chandigarh, 14<sup>th</sup>-16<sup>th</sup> September 2023)
7. 38<sup>th</sup> Annual Conference of Indian Psychiatric Society Rajasthan State Branch (Udaipur, 23<sup>rd</sup>-24<sup>th</sup> September 2023)
8. 63<sup>rd</sup> Annual Conference of National Academy of Medical Sciences (6<sup>th</sup>-8<sup>th</sup> October, 2023, Bangalore)
9. 48<sup>th</sup> Annual Conference of Indian Psychiatric Society – North Zone (27<sup>th</sup>-28<sup>th</sup> October, 2023, Srinagar)
10. Mid-year Conference of Indian Psychiatric Society (MIDCIPS) (28<sup>th</sup>-29<sup>th</sup>, October, 2023, Srinagar)
11. 17<sup>th</sup> Biennial National Conference of Indian Association for Child and Adolescent Mental Health (16<sup>th</sup> – 18<sup>th</sup> November, 2023, NIMHANS Bengaluru)

**Other details: Radio talks:**

1. Talk on Autism awareness month (14<sup>th</sup> April, 2023)
2. Talk on World Suicide prevention day (10<sup>th</sup> September, 2023)
3. Talk on World Mental Health day (10<sup>th</sup> October, 2023)
4. Talk on ADHD Awareness (Part-I) (1<sup>st</sup> November, 2023 on Red FM)
5. Talk on ADHD Awareness (Part-II) (2<sup>nd</sup> November, 2023 on Red FM)
6. OCD: Symptoms and Treatment (15<sup>th</sup> March, 2024)

**Name of Faculty: Dr Mukesh Kumar Swami**

**Designation: Additional Professor**

**Invited Lectures**

1. "Neuropsychiatric Disorders after TBI" during IAPMR Midterm CME 14-17 September 2023 at AIIMS Jodhpur

**Symposium Speaker**

1. "Addressing dropouts from psychiatric treatment in an Indian setting " during the Annual National Conference of Indian Psychiatric Society from 18-21 January 2024 at Le Meridien Kochi, Kochi
2. "Measuring substance use disorder severity: insights and pragmatic issues" during the Annual National Conference of Indian Psychiatric Society from 18-21 January 2024 at Le Meridien Kochi, Kochi

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. Assessment of cognitive functions and functional disability among symptomatic and remitted patients with depression (intramural)
2. Development of Entrustable Professional Activity-based psychiatry curriculum Modules for interns
3. Association between pain catastrophizing scale (PCS) scores and Heart Rate Variability in patients with chronic myofascial pain syndrome

**As Co-Investigator**

1. Cognitive functions among patients dependent on smokeless tobacco and its association with cardiovascular risk factors and urine cotinine: A cross-sectional study from a tertiary care centre (Intramural)
2. Telemedicine use to improve access, cost and quality of primary and secondary care of tribal people of Abu Road tehsil of district Sirohi, Rajasthan: A hybrid type 2 effectiveness implementation study (MSJE)

**Completed:**

**As Principal Investigator**

1. Spiritual wellbeing, depression and anxiety in cancer patients with metastatic solid tumors: a cross-sectional survey

**As Co-Investigator**

1. A descriptive, survey-based, mixed-method study of Drug Overdose in Substance use disorder.
2. Cross-sectional study to assess the suitability of MODIA's content in Asian-Indian population.

**Membership/Post in Journal or Society or Association-2**

1. Membership of Academy of consultation-liaison Psychiatry (ACLP) and International Psycho-Oncology Society (IPOS)
2. Associate Editor in Annals of Psychiatric Research, a publication of Indian Psychiatric Society – Rajasthan Chapter

**National/ International Conferences attended:**

1. Annual National Conference of Indian Psychiatric Society from 18-21 January 2024 at Le Meridien Kochi, Kochi

**Name of Faculty: Dr. Navratan Suthar**

**Designation: Associate Professor**

**Sessions Chaired:**

1. Free paper presentation and poster presentation sessions chaired and judged during ADDICON from 26th-28th November 2023.

**Symposium/Workshop Speaker:**

1. Symposium: Addressing dropouts from psychiatric treatment in Indian setting during 75th ANCIPS at Kochi, 18th-21st January 2024.
2. Symposium: "Substance Use in Geriatric Population-Current situation, Challenges and Way Forward situation, Challenges and Way Forward" during ADDICON at Jaipur Rajasthan from 26th-28th November 2023.

**Resource Faculty:**

1. In the School of Public Health Department, AIIMS Jodhpur

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. Cognitive Functions among patients dependent on Smokeless Tobacco and its association with Cardiovascular Risk factors and Urine Cotinine: A Cross-sectional study from a tertiary care center" (Intramural Project)
2. Internalized stigma and quality of life among patients dependent on natural opium: An observational study from Western Rajasthan (Non-funded) Investigator

**As Co-Investigator**

1. "Building the first gold standard datasets in Artificial Intelligence in Indian settings for Depression and Anxiety Disorders": Co-Investigator
2. Pathways to Resilience and Mental Health' [PARAM]: Co-Investigator
3. Multistate implementation research study on Suicide risk reduction and improving mental wellbeing among School and College students: Co-Investigator
4. National Mental Health Survey-2: Co-Investigator
5. Association between history of COVID-19 and Mental Health Morbidity in India- a cross-sectional multi-centric Study: Co-Investigator

**Completed:**

**As Principal Investigator**

1. Cross-sectional study to assess the suitability of MODIA's content in Asian-Indian population (Extramural research project)
2. A descriptive, survey-based, mixed methods study of drug overdose in substance use disorder (Extramural research project)

**Examinership:**

1. Internal examiner for Psychiatry in MBBS examination and MD Psychiatry examination

**National/ International Conferences attended:**

1. 75<sup>th</sup> Annual National Conference of Indian Psychiatric Society (ANCIPS), 18<sup>th</sup>-21<sup>st</sup> January 2024 at Kochi.
2. ADDICON 2023 at Jaipur Rajasthan, 26<sup>th</sup>-28<sup>th</sup> November 2023.

**Name of Faculty: Dr. Pranshu Singh**

**Designation: Assistant Professor (Joined on 01/08/2023)**

**Research Project:**

**Ongoing:**

**As Co-Investigator**

2. Pathways to Resilience and Mental Health' (PARAM) (Extramural Project – ICMR)

**Name of Faculty: Dr. Vijay Kumar Saini**

**Designation: Assistant Professor (Joined on 19/08/2023)**

**Symposium Speaker**

1. Addressing dropouts from psychiatric treatment in Indian setting, 75<sup>th</sup> Annual National Conference of Indian Psychiatric Society; 18<sup>th</sup>-21<sup>st</sup> January, 2024, Kochi

**National/ International Conferences attended:**

1. 75<sup>th</sup> Annual National Conference of Indian Psychiatric Society; 18<sup>th</sup>-21<sup>st</sup> January, 2024, Kochi

**Name of Officer: Dr. Tanu Gupta**

**Designation: Clinical Psychologist**

**Books/Chapters**

2. Gupta T, Gehlawat P. Assessment and Management of Emerging Personality Disorders in Adolescents. In Handbook of Research on Child and Adolescent Psychology Practices and Interventions. IGI Global.2024. p. 255-267.
3. Gehlawat P, Gupta T. Ethical and Legal Nuances in Child and Adolescent Mental Health. In Handbook of Research on Child and Adolescent Psychology Practices and Interventions.). IGI Global. 2024. p. 475-486.
4. Nebhinani N, Choudhary S, Gupta T. Non suicidal self-injury: Indian perspective. In: Sarkhel S, Kumar V, Vijayakumar L, Parkar SR, Editors. Suicide Indian Perspectives. 1st ed. New Delhi: Jaypee Brothers Medical Publishers(P) Ltd. 2023. p 77-91. [ISBN: 977-93-5465-763-4]

**Invited Lectures**

1. "Screening Assessment, identification and intervention strategies of sensory disabilities" in CRE program on Strategies for sensory motor and perceptual development in young children with special needs, organized by Navjyoti Manovikas Special Teacher training college, Jodhpur from 26th October to 28th October 2023.
2. "Understanding & Preventing Suicide: Roles and Responsibility", for students in the Department of Psychology, Jai Narayan Vyas University, Jodhpur on 6<sup>th</sup> September 2023.
3. Delivered an invited talk on "Understanding & Preventing Suicide: Roles and Responsibility", for students in the Department of Psychology, Jai Narayan Vyas University, Jodhpur on 6th September 2023.

**Symposium Speaker**

1. Digital addiction among children and adolescents: update on interventions' in the Diamond Jubilee International Conference on mental health organized by Department of Psychiatry, PGIMER, Chandigarh from 14th to 16th September 2023.

**Resource Person**

1. "Screening, diagnosis, assessment and evaluation of developmental disabilities" in state level CRE program on Early identification, assessment and intervention of children with Developmental

disabilities, organized by Navjyoti Manovikas Special Teacher training college, Jodhpur from 18th December to 20th December 2023

2. Anil Tambi workshop award for the topic "Parent Management training for ADHD" in Annual conference of Indian Psychiatric Society Rajasthan Chapter, Organized by Department of Psychiatry, Geetanjali Medical College & Hospital, Udaipur on 23 & 24<sup>th</sup> September 2023.
3. Symposium on "Digital addiction among children and adolescents: update on interventions" in the Diamond Jubilee International Conference on mental health organized by Department of Psychiatry, PGIMER, Chandigarh from 14th to 16th September 2023.

### **Research Project:**

#### **Ongoing:**

##### **As Co-Investigator**

1. Evaluation of knowledge and competency among nurses after a Brief Suicide Prevention Educational Program
2. Faculty's readiness and perception towards online teaching platform during COVID- 19 pandemic.
3. "Evaluation of Toll like receptors 2, 4 and neurotransmitters receptors (Serotonin, Dopamine and Glutamate) and its significance in cognitive behaviour changes in Schizophrenia patients."
4. Assessment of cognitive functions and functional disability among symptomatic and remitted patients with depression.
5. Indian Multiple Sclerosis and Allied demyelinating Disorder Registry and research network.
6. Comparative study on the effect of 2 types of relaxation technique on stress and cardiac oscillations among healthy volunteers: A Pilot study
7. Cognitive functions among patients dependent on smokeless tobacco and its association with cardiovascular risk factors and urine cotinine: A Cross sectional study from a tertiary care centre.
8. Detecting Behavioral Health Disorders of Older Adults using Self-supervised Learning and Causal Reasoning.
9. Comparative study on the effect of 2 types of relaxation technique on stress and cardiac oscillations among healthy volunteers: A Pilot study

#### **Completed:**

##### **As Principal Investigator**

1. Impact of COVID-19 Pandemic and associated lock-down on patients with Psychiatric illness

#### **Scientific Awards/Patents**

1. **Dr Anil Tambi Workshop Award** at at 38<sup>th</sup> Annual Conference of Indian Psychiatric Society Rajasthan State Branch (Udaipur, 23<sup>rd</sup>-24<sup>th</sup> September 2023)

#### **National/ International Conferences attended:**

1. Attended webinar on "Borderline Personality: An emotionally sensitive person or Disorder" organized by Centre for Mental Health & Behavioural Sciences, Udaipur on 30<sup>th</sup> April 2023.
2. Attended Five days E-Workshop on "Wellness and Life skills" organized by Department of Humanities and social sciences, National Institute of technology, Hamirpur (H.P.) from 10<sup>th</sup> July to 14<sup>th</sup> July 2023.



## Department of Pulmonary Medicine

S.No.	Name	Designation
1	Dr.Naveen Dutt	Professor & Head
2	Dr.Nishant Kumar Chauhan	Professor
3	Dr.Gopal Durgeshwar	Assistant Professor
4	Dr. Iyer Hariharan NR NH Ramaswamy	Assistant Professor

### About the Department

The department of Pulmonary Medicine is committed to provide access to the latest advances in pulmonary diseases, critical care and sleep medicine. We aim to consistently deliver high-quality care with respect, dignity and compassion. We manage a wide spectrum of diseases of the chest diseases such as asthma, COPD, bronchiectasis. The department also runs specialized chest clinics for diseases such as Interstitial Lung disease, Tuberculosis and Airway disorders. We are offering OPD as well as IPD facilities to our patients. A separate 6 bedded critical care unit caters to patients of various respiratory diseases requiring intensive care. A wide range of diagnostic services are available at the department such as : Spirometry, FENO, body plethysmography and diffusion study, cardiopulmonary exercise testing, polysomnography, medical thoracoscopy, diagnostic and therapeutic bronchoscopy, Endo-bronchial Ultrasound guided transbronchial needle aspiration, radial EBUS guided TBLB, cryobiopsy and foreign body removal, airway stenting, endobronchial tumour debulking, percutaneous tracheostomies, pleurodesis, USG guided pleural procedures and transthoracic lung biopsy

### Compiled list of Publications of the department

#### Papers

#### Pubmed Indexed:

1. Tiwari A, Kumari B, Nandagopal S, Mishra A, Shukla KK, Kumar A, Dutt N, Ahirwar DK. Promises of Protein Kinase Inhibitors in Recalcitrant Small-Cell Lung Cancer: Recent Scenario and Future Possibilities. *Cancers (Basel)*. 2024 Feb 27;16(5):963. doi: 10.3390/cancers16050963. PMID: 38473324; PMCID: PMC10931009.
2. Chawla RK, Kumar M, Madan A, Dhar R, Gupta R, Gothi D, Desai U *et al*. NCCP-ICS joint consensus-based clinical practice guidelines on medical thoracoscopy. *Lung India*. 2024 Mar 1;41(2):151-167. doi: 10.4103/lungindia.lungindia\_5\_24. Epub 2024 Feb 27. PMID: 38700413; PMCID: PMC10959315.
3. Gauba K, Gupta S, Shekhawat J, Dutt N, Yadav D, Nag VL, Rao M, Sharma P, Banerjee M. Gene expression, levels and polymorphism (Ala16Val) of mitochondrial superoxide dismutase in tuberculosis patients of Rajasthan. *Microbes Infect*. 2023 May;25(4):105075. doi: 10.1016/j.micinf.2022.105075. Epub 2022 Nov 7. PMID: 36356830.
4. Tomo S, Kiran Kumar P, Yadav D, Sankanagoudar S, Charan J, Purohit A, Nag VL, Bhatia PK, Singh K, Dutt N, Garg MK, Misra S, Sharma P, Purohit P. Association of Serum Complement C3 Levels with Severity and Mortality in COVID 19. *Indian J Clin Biochem*. 2023 Oct;38(4):447-456. doi: 10.1007/s12291-023-01148-x. Epub 2023 Aug 16. PMID: 37746543; PMCID: PMC10516839.
5. Shadrach BJ, Dutt N, Elhence P, Banerjee M, Chauhan NK, Jalandra RN, Garg MK, Garg P, Tandon A, Shishir S, Kochar R, Chhatwani B, Pareek P, Parrikar A. Clinical Utility of Bronchoalveolar Lavage

- Neutrophilia and Biomarkers for Evaluating Severity of Chronic Fibrosing Interstitial Lung Diseases. *Cureus*. 2023 Jul 19;15(7):e42162. doi: 10.7759/cureus.42162. PMID: 37602059; PMCID: PMC10439013.
6. Jain P, Kumar Chauhan N, Chakraborti A, Gupta MK, Dutt N, Jalandra RN, Elhence P, Rao M, Khara P, Garg PK, Pareek P, Vishnoi JR, Misra S. Programmed cell death ligand 1 (PD-L1) expression in non-small cell lung cancer: Findings from a tertiary care institute in western part of India. *Indian J Tuberc*. 2023 Oct;70(4):416-421. doi: 10.1016/j.ijtb.2023.01.001.
  7. Asfahan S, Tandon A, Chauhan NK, Jalandra RN, Garg MK, Bohra GK, Garg PK, Bajpai NK, Bajad P, Babu A, Dutt N. Assessing the accuracy of pleural puncture sites in patients with pleural effusion as determined by clinical examination versus ultrasound-A single-centre prospective study. *Lung India*. 2024 Mar 1;41(2):98-102. doi: 10.4103/lungindia.lungindia\_270\_23. Epub 2024 Feb 27. PMID: 38700402; PMCID: PMC10959322.
  8. Aneesa Shahul, S., Chauhan, N.K. (2023). Ventilatory modes of Noninvasive Mechanical Ventilation: Technology and Clinical Implications. In: Esquinas, A.M. (eds) *Noninvasive Mechanical Ventilation*. Springer, Cham. [https://doi.org/10.1007/978-3-031-28963-7\\_3](https://doi.org/10.1007/978-3-031-28963-7_3).
  9. Panigrahi MK, Singh P, Mishra P, Durgeshwar G. Coronavirus disease 2019 associated pulmonary mucormycosis. *Infection*. 2023 Apr 17:1-2.
  10. Parikar A, Tandon A, Durgeshwar G, Safwan A, Rathore Y. Pleuro-cutaneous fistula: a rare complication of tuberculosis. *QJM*. 2023 Oct 23;116(10):869-870.
  11. Mohan A, Madan K, Hadda V, Mittal S, Suri T, Shekh I *et al*. Guidelines for endobronchial ultrasound-transbronchial needle aspiration (EBUS-TBNA): Joint Indian Chest Society (ICS)/Indian Association for Bronchology (IAB) recommendations. *Lung India*. 2023 Jul-Aug;40 (4):368-400.
  12. Iyer H, Mishra M, Sindhwani G, Mittal S, Tiwari P, Hadda V, Mohan A, Guleria R, Madan K. Five Versus 10 Pharyngeal Sprays of 10% Lignocaine for Topical Anesthesia During Flexible Bronchoscopy: A Multicenter, Randomized Controlled Trial. *J Bronchology Interv Pulmonol*. 2023 Jul 1;30(3):232-237.

#### Non-Pubmed Indexed:

1. Mujeeb Rahman KK, Durgeshwar G, Mohapatra PR, Panigrahi MK, Mahanty S. Pulmonary infarct masquerading as community-acquired pneumonia in the COVID- 19 scenario: A case report. *World J Respirol* Jan. 2024; 13(1): 1-6.

**Name of Faculty: Dr.Naveen Dutt**

**Designation: Professor and Head**

#### Papers Presented:

1. European Respiratory Society International Congress 2023 ;09<sup>th</sup>-13<sup>th</sup> Sept 2023, Milan, Italy

#### Invited Lectures:

1. Moderator, Role of Anti fibrotic in ILD, 18<sup>th</sup> PG update North zone, KGMU, Lukhnow, 10th Mar.2024.
2. Panelist on End of life care: Bridging health care professionals and society perspective, AIIMS Jodhpur, 24th Feb.2024.
3. Speaker, Drug Induced Lung Disease, ICMR-INPF, Webinar, 26<sup>th</sup> Nov.2023.
4. Role of Thoracoscopy in Pneumothorax and Malignant pleural effusion, BroncoCon Silver, 25th National Conference of Indian Association for Bronchology, Mumbai 24th -27<sup>th</sup> August 2023.

#### Resource Faculty:

1. Project ideation workshop, ICMR, NIIRNCD Jodhpur, 29<sup>th</sup> Feb & 1<sup>st</sup> Mar.2024.

2. Content validation of Interstitial Lung Disease (DeSTLID), pulmonary research and education foundation, Pune.
3. Regular Faculty Interview, AIIMS Nagpur, 1st Oct.2023.

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

1. ICMR Network of Pulmonary Fibrosis- ICMR funded.
2. Evaluation of Aarogya AI rapid drug sensitivity test for TB.

##### **As Co-Investigator**

1. Pharmacogenomics, Biochemistry, Epigenetics and population pharmacokinetics study in TB patient- Multicentric study.
2. A randomized, double-blind, placebo-controlled study assessing the long term effect of dupilumab on prevention of lung function decline in patients with uncontrolled moderate to severe asthma.

#### **Examinership**

1. DM thesis evaluation, Pulmonary, Critical Care & Sleep Medicine, November 2023 AIIMS Delhi
2. DM-Final Practical Examination AIIMS Rishikesh -11.05.2023 to 13.05.2023
3. DM Final PG Examination-AIIMS Patna-18.07.2023 to 20.07.2023
4. Ph.D-Viva Voice Examination ,KGMU Lucknow- 28<sup>th</sup> -29<sup>th</sup> July 2023
5. DM Final PG Examination –AIIMS Patna -18<sup>th</sup>-20<sup>th</sup> July 2023.
6. DM-External examiner, Paper setting and Moderator,October 2023, PGI Rohtak.
7. DM-External examiner, Vardhman Mahavir Medical College&Safdarjang, NewDehli, 8th-9<sup>th</sup> Dec.2023.
8. DM-External examiner, AIIMS Bhubaneswar, 10th Nov.2023.

#### **National/ International Conferences attended:**

1. "TESCON 2022, 6th Annual Conference of Thoracic Endoscopy Society-Jalandhar, Punjab- 08.04.2023.
2. MDTBCON 2023at BPS Medical College Khanpur Kalan, Sonapat-29.04.2023.
3. CME on Pulmonary TB", AIIMS Jodhpur, Department of Microbiology, 3rd May 2023.
4. Rajpulmocon 2024, Rajasthan state chapter of NCCP & ICS Bikaner, 15<sup>th</sup> -16<sup>th</sup> July 2023.
5. BroncoCon Silver, 25th National Conference of Indian Association for Bronchology, Mumbai – 24<sup>th</sup> - 27<sup>th</sup> August 2023.

**Name of Faculty: Dr. Nishant Kumar Chauhan**

**Designation: Professor**

#### **Invited Lectures**

1. Speaker at Knowledge forum, Jodhpur, August 2023
2. Panellist at VISION-IP Kolkata, August 2023
3. Workshop faculty at AIIMS PULMOCRIT 2024, February 2024 at AIIMS Delhi.

4. Speaker at 18th Pulmonary PG update North zone at KGMU Lucknow, March 2024
5. Speaker at 57th National Annual Conference of Indian College of Allergy, Asthma, and Applied Immunology, ICAAICON, Jan.2023 at Jaipur

#### **Research Projects:**

##### **As Investigator**

1. A randomized, double-blind, placebo-controlled study assessing the long term effect of dupilumab on prevention of lung function decline in patients with uncontrolled moderate to severe asthma.

##### **As Co-Investigator**

1. ICMR Network of Pulmonary Fibrosis- ICMR Funded Project
2. A Single-arm Feasibility Trial of Community-based Pulmonary Rehabilitation for Adults with COPD in slum areas of Jodhpur, Rajasthan
3. An international, multicenter, randomized, double-blind, placebo-controlled trial of the safety, tolerability and efficacy of Anti-Coronavirus hyperimmunoglobulin for the treatment of adult outpatients in early stage of COVID-19: the OTAC Study
4. Assessment of active drug safety monitoring (aDSM) and treatment compliance among patients on all oral longer MDR tuberculosis regimen in Jodhpur, India
5. Pharmacogenomic, Biochemical, epigenetic and population pharmacokinetic study in TB patients- multicentric study.

#### **National/ International Conferences attended:**

1. AIIMS PULMOCRIT 2024, February 2024 at AIIMS Delhi.
2. 18th Pulmonary PG update North zone at KGMU Lucknow, March 2024.
3. Annual Conference of Indian College of Allergy, Asthma, and Applied Immunology, ICAAICON 2023 at Jaipur.
4. 6th Forum on Respiratory Tract Infections, 5-7 February 2024, Glasgow, Scotland.

#### **Examinership**

1. DM thesis evaluation, Pulmonary, Critical Care & Sleep Medicine, AIIMS Delhi.

**Name of Faculty: Dr. Gopal Durgeshwar**

**Designation: Assistant professor**

#### **Invited Lectures**

1. Characteristic of lymph node in EBUS , Joint conference of bronchopulmonary word congress (BWC), & 3<sup>rd</sup> world conference on comprehensive critical care” , 14-17 September 2023, Jaipur.

#### **Symposium Speaker:**

1. CME on Pulmonary TB” AIIMS Jodhpur as Faculty, Department of Microbiology, 3rd May 2023.

#### **Research Project: Ongoing:**

##### **As Co-Investigator**

1. ICMR Network of Pulmonary Fibrosis- ICMR Funded Project
2. A randomized, double-blind, placebo-controlled study assessing the long term effect of dupilumab on prevention of lung function decline in patients with uncontrolled moderate to severe asthma.

**Membership/Post in Journal or Society or Association**

1. Associate Fellow, National Academy of Medical Science Oct.2023.

**National/ International Conferences attended:**

1. "Joint conference of bronchopulmonary word congress (BWC), & 3<sup>rd</sup> world conference on comprehensive critical care", SMS medical college Jaipur ,14-17 September 2023.
2. "CME on Pulmonary TB", AIIMS Jodhpur, Department of Microbiology, 3rd May 2023.

**Name of Faculty: Dr. Iyer Hariharan NR NH Ramaswamy**

**Designation: Assistant professor**

**Sessions Chaired:**

1. Debate: Meropenam vs. Piperillin -Tazobactam in ESBL infection and Empirical therapy for Candidemia in ICU , ASPICON 2023, 30<sup>th</sup> Sept.2 023,AIIMS,Jodhpur.

**Symposium Speaker:**

1. CME on Pulmonary TB, AIIMS Jodhpur as Faculty, Department of Microbiology,3rd May 2023.

**Research Project: Ongoing:**

**As Co-Investigator**

1. ICMR Network of Pulmonary Fibrosis- ICMR Funded Project
2. A randomized, double-blind, placebo-controlled study assessing the long term effect of dupilumab on prevention of lung function decline in patients with uncontrolled moderate to severe asthma.

**National/ International Conferences attended:**

1. CME on Pulmonary TB", AIIMS Jodhpur as Faculty, Department of Microbiology, 3rd May 2023.
2. ASPICON 2023,30<sup>th</sup> Sept.2 023,AIIMS,Jodhpur, Department of Medicine and Infectious diseases,29 sept-1 Oct.2023.

## Department of Radiation Oncology

S.No.	Name	Designation
1	Dr Rakesh Kumar Vyas	Professor
2	Dr. Puneet Pareek	Additional Professor & Head
3	Dr. Bharti Devnani	Assistant Professor
4	Dr. Akanksha Solanki	Assistant Professor

### About the Department

Patients with suspected or confirmed malignancy are seen in the OPD. A comprehensive care plan is prepared for each patient after the clinical workup and consultation. Joint and interdisciplinary care is coordinated for the patients and patients are often discussed in Joint Tumor Board Meetings.

Simple procedures as tapping of ascites, performing simple breast/ cervical biopsies are done in OPD.

The department has the following equipment: Two functioning Dual Energy Linear Accelerator with facilities for 3DCRT, IMRT, IGRT, SRS, and SRT etc. Another unit of linear accelerator is being installed; An Ir192 HD Brachytherapy unit and a 4D CT Simulator. We have a dedicated Minor OT for Brachytherapy Procedures.

Patients are currently offered radical and palliative care with radiation therapy, systemic chemotherapy, biological therapy, immunotherapy and palliative care. Pain medications as morphine are judiciously prescribes as per WHO pain management ladder.

In the IPD patients are admitted for procedures as Chemotherapy PORT insertions or Image guided biopsies with Department of Radiology, Intravenous Chemotherapies and Supportive Care etc.

The Department is delivering Radiation Treatments with various techniques such as 3DCRT, IMRT, IGRT, SBRT, SRS, Extra-corporeal RT, Intra-cavitary and Interstitial brachytherapy, etc.

More than 5100 patients were treated on both LINAC with radiation therapy, About 600 patients received brachytherapy and more than 18,000 Lump sum (4276 in daycare) admissions were made for various chemotherapy and systemic treatments in the department.

The department is continuing to do per-op interstitial implant brachytherapy for soft tissue sarcomas. This year interstitial brachytherapy use is expanded for breast cancers, head and neck cancers, and gynecological tumors and mould brachytherapy.

The Department participates in the MBBS and Nursing Teaching, PG teaching of Radiation and Surgical Oncology, the teaching of Medical officers through the 'Training of Trainers' Programme as per the curriculum, and in integrated teaching classes and UNCLE. The Department also trains students of B.Sc (Honors) Radiotherapy Technology.

### Compiled list of Publications of the department:

#### Pubmed indexed

1. Tiwari, R., Devnani, B., Thirunavukkarasu, B., Pareek, P., Daga, P., & Kumar, A. (2023). Multi-modality management of Chondrosarcoma of scapula: A case report and review of literature. *Cancer Treat Res Commun* 2023 35(4):100710

2. Nair RP, Gupta A, Devnani B, Bairwa S, Pareek P, Khera P. Is hypoglycemia secondary to metastatic retroperitoneal sarcoma -A therapeutic challenge? Case report and Review of literature. *Curr Probl Cancer*. 2023 47(12):100961
3. Kachhwaha A, Tiwari R, Gayen S et al. Comparison of sequential versus simultaneous integrated boost of volumetric modulated arc therapy in treatment of oropharyngeal carcinoma. *Cancer Treat Res Commun*. 2023 36:100721
4. Pareek P, Vishnoi JR, Vyas RK, Devnani B et al. Evaluating Outcomes of Supportive Care on the Quality of Life of Cancer Patients: Study Design and Rationale. *Madridge J Cancer Stud Res*, 2023 5(1):103-7
5. Xin Z, Liu Q, Ai D, Chen K, Mariamidze E, Sumon MA, Devnani B, Pihlak R, Zhu H, Zhao K. Radiotherapy for Advanced Esophageal Cancer: from Palliation to Curation. *Curr Treat Options Oncol*. 2023 Oct 9. doi: 10.1007/s11864-023-01134-8. Epub ahead of print. PMID: 37812321.
6. Kumar S, Patra S, Devnani B et al. Giant neglected unresectable ulcerated basal cell carcinoma of face: Radiotherapy at rescue. *J Cutan Aesthet Surg*  
DOI: 10.4103/JCAS.JCAS\_62\_23
7. Sharma R, Khera S, Devnani B, et al. Primary soft tissue sarcoma breast with multiphenotypic differentiation. *BMJ Case Reports CP* 2024;17:e255750.

#### Non-Pubmed Indexed

1. Soni S, Devnani B, Elhence P et al. A Case Report and Review of Literature: Epithelioid Hemangioendothelioma—An Uncommon Challenging Case. *Ind J Med Paediatr Oncol* 2023 DOI: 10.1055/s-0043-1774775
2. Pareek P, Vishnoi JR, Vyas RK, Devnani B et al. Evaluating Outcomes of Supportive Care on the Quality of Life of Cancer Patients: Study Design and Rationale. *Madridge J Cancer Stud Res*, 2023 5(1):103-7

**Name of Faculty: Dr. Rakesh Kumar Vyas**

**Designation: Professor**

#### Sessions Chaired:

1. Session titled “Brachytherapy in Ca Breast- The Forgotten Art”, held during the AROI Rajasthan Chapter Conference Jaipur, on 24th February 2024:
2. Session titled “Current concepts and consideration of CRS and HIPEC in ovarian cancer”, held during the International Oncology Conference Kochi March 2024.
3. Session titled “Ultra hypo-fractionated Radiotherapy for breast cancer: Opportunities & challenges in the Indian context”, held during the International Oncology Conference Kochi March 2024.
4. Session titled “What's positive about Triple Negative Breast Cancer?”, held during the International Oncology Conference Kochi on 9<sup>th</sup> March 2024.

#### Research Project:

**Completed:**

**As Co-Investigator**

1. Comprehensive Patient Support Services for the Cancer Patients and improving the Quality of Life.

**Examinership:**

1. DNB Radiotherapy Practical Examination Jupiter Hospital Mumbai.
2. MD Practical Examination MG Medical College Jaipur.

**Name of Faculty: Dr. Puneet Pareek**

**Designation: Additional Professor & Head**

**Resource Faculty:**

1. Participating in Implementation Strategy Development for Clinical Oncology along with Royal College of Radiologists, UK and Tata Medical Center, Kolkata.

**Research Project:**

**Ongoing:**

**As Principal Investigator:**

1. Comprehensive Patient Support Services for the Cancer Patients and improving the Quality of Life.

**Name of Faculty: Dr. Bharti Devnani**

**Designation: Assistant Professor**

**Papers Presented:**

1. Devnani B, Pareek P, Joseph J, Mohan A, Irfad MP et al. Interstitial And Surface Mold Brachytherapy For Head And Neck Cancers- An Institutional Experience. Radiother Oncol 182(1): S318-S320 (Presented at ESTRO-2023 organised from 12<sup>th</sup> to 16<sup>th</sup> May in Vienna, Austria)
2. Poonia D et al. Upfront Surgery Vs Induction Chemotherapy Followed By Surgery In Oral Cavity Squamous Cell Cancers With Advanced Nodal Disease (SurVIC Trial): A Phase 3 Multicentric Randomized Controlled Trial- Presented at European society of Surgical Oncology
3. Nair K, Pareek P, Jha DK, Elhence P, Devnani B, Solanki A et al. Epidemiological profile and IDH mutation status of glioma patients treated at a tertiary cancer centre in North-Western India: A retrospective single institutional study- Presented at Indian Cancer Congress

**Sessions Chaired:**

1. Chairperson in the session of 'Carcinoma unknown primary' in FHNO-2023

**Invited Lectures/Speaker/Moderator/Panelist:**

1. Discussant – Exploring Commonalities and avenues for collaboration-(Clinical care, Training, Research) and Discussant – Exploring cooperation in Training /TeleDMG/Clinical trial network at AIIMS Oncology Conclave at National Cancer Institute, AIIMS, Jhajjar on 11<sup>th</sup> Feb 2024
2. Panelist for case-based discussion: Skull base and PNS tumors at 22<sup>nd</sup> Annual conference RGCON-2024 from 15<sup>th</sup> to 17<sup>th</sup> March 2024



3. Panelist at Pre-conference workshop of 23rd Foundation for head and neck oncology conference (FHNO-2023) in the session entitled '-Consensus & controversies in the radiotherapy planning-Oropharyngeal cancer' at Vapi on 21<sup>st</sup> Dec 2023
4. Panelist in the 'Management of Nasopharyngeal carcinoma in FHNO-2023 main conference on 23<sup>rd</sup> Dec at Daman
5. Panelist in the session entitled 'Management of early-stage NSCLC in the era of precision medicine' at 14<sup>th</sup> Annual conference of Indian Society for study of lung cancer (NALCCON-2023) on 23<sup>rd</sup> Sep 2023 at Pt. BDS Post Graduate Institute of Medical Sciences, Rohtak
6. Panelist in the session entitled 'Management of small cell lung cancer' at 14<sup>th</sup> Annual conference of Indian Society for study of lung cancer (NALCCON-2023) on 24<sup>th</sup> Sep 2023 at Pt. BDS Post Graduate Institute of Medical Sciences, Rohtak
7. Panelist in the session 'Pin Point Cases: Bladder Preservation for all?' at 3<sup>rd</sup> International Cancer Summit at New Delhi by Spring hope cancer foundation
8. Panelist: Selecting Operable Breast Cancer Patients for Neo Adjuvant Treatment on 28<sup>th</sup> Oct 2023 at 7th Annual IBCC & Precision Oncology 2023 at Jaipur
9. Palliative Care: A Moving Goal Post – Panel Discussant at 3<sup>rd</sup> Indian Cancer Congress on 4<sup>th</sup> Nov 2023 at Mumbai.
10. Panelist in the session entitled 'Patient care with sense of belonging and accountability and behavior with ward staff, service towards society (Professionalism) on 3<sup>rd</sup> Jan 2024 at AIIMS, Jodhpur

#### **Resource Faculty:**

1. Brachytherapy workshop faculty at 10<sup>th</sup> YROC at AIIMS Jodhpur on 19<sup>th</sup> Jan 2024, performed a live breast brachytherapy implant

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

1. High dose rate Interstitial brachytherapy as monotherapy for extremities soft tissue sarcoma: A prospective study (Intra-mural funded project)
2. Multi-catheter interstitial brachytherapy for breast carcinoma- An initial institutional experience
3. Outcome and late radiation toxicities of definitive chemo-radiotherapy and high dose rate brachytherapy in carcinoma cervix- A retrospective study
4. Interstitial and surface mold brachytherapy for head and neck cancers- An institutional experience (Non-funded)

##### **As Co-Investigator**

1. Evaluating outcomes of supportive care on the quality of life of cancer patients: Study design and rationale (Indo-Sweden project)
2. Quality of life, physical and mental well-being with Yoga therapy in Head and Neck cancer patients managed with surgery first as curative intent treatment: A Randomized Controlled Trial
3. Neoadjuvant chemotherapy followed by surgery versus surgery followed by adjuvant chemotherapy for resectable gastric adenocarcinoma- Phase 3 multicentric randomised controlled trial
4. Post-operative intraperitoneal chemotherapy after interval cytoreduction in epithelial ovarian cancer (POICE): A randomized phase III trial

5. Expression of epithelial mesenchymal transition markers in oral squamous cell carcinoma: Immunohistochemistry based cross sectional study
6. Ganga Godavari- Marudhara screening program for women (Phase -I)
7. Non-Clinical Factors affecting patient's choice of Mastectomy over Breast Conservation Surgery in Carcinoma Breast: A cohort study from North Western India
8. A clinical applicability study of the tumor specific electroporation technique for patients with locally advanced recurrent head and neck cancers using IQ wave 3.0 CE
9. Performance of sentinel lymph node biopsy using Targeted Axillary Dissection (TAD) with intraoperative radiological guidance in post-chemotherapy breast cancer patients: A pilot study
10. Role of CD34, SMA and D2-40 in intraepithelial neoplasias and squamous cell carcinoma of uterine cervix
11. Management of locally advanced breast cancer patients in tertiary health care centres in India: Multicentric real world data
12. Differentiating non-metastatic and metastatic breast cancer using tumor microenvironment spatial transcriptomics and scSeq of CTCs by dynamic network biomarker analysis –a nested control study
13. A study on epigenetic modification of GDF15 and hallmarks of cancer (cell cycle, EMT, drug resistance, stemness)- a case control study
14. Immuno-histochemistry based prognostic classification for gall bladder cancer
15. Upfront surgery vs Induction chemotherapy followed by surgery in oral cavity squamous cell cancers with advanced nodal disease (SurVIC trial) : A phase 3 multicentric randomised controlled trial
16. Designing and implementation of health care model in patients with stage 2 breast cancer
17. Radiation doses to cardiac substructures as a surrogate marker of cardio-toxicity in left breast cancer
18. FOxTROT-2 trial

#### **Conferences organized:**

1. Organizing secretary of 10<sup>th</sup> National Young Radiation Oncology Conference (YROCC) from 19<sup>th</sup> -21<sup>st</sup> Jan 2024

#### **Membership:**

1. GI (Gastro Intestinal) Oncology Society
2. ESMO (European Society for Medical Oncology) membership

#### **National/ International Conferences attended:**

1. ESTRO-2023 from 12<sup>th</sup> to 16<sup>th</sup> May at Vienna, Austria
2. Master course in Head-Neck and Breast Brachytherapy from 27<sup>th</sup> to 29<sup>th</sup> April 2023 at Tata memorial hospital, Mumbai
3. 14<sup>th</sup> Annual conference of Indian Society for study of lung cancer (NALCCON-2023) on 23<sup>rd</sup> Sep 2023 at Pt. BDS Post Graduate Institute of Medical Sciences, Rohtak
4. 10<sup>th</sup> Young Radiation Oncologist conference from 19<sup>th</sup> to 21<sup>st</sup> Jan 2024 at AIIMS, Jodhpur
5. 3<sup>rd</sup> Indian Cancer Congress at Mumbai from 2<sup>nd</sup> Nov to 5<sup>th</sup> Nov 2023
6. 23<sup>rd</sup> Foundation for head and neck oncology conference (FHNO-2023)
7. 22<sup>nd</sup> Annual conference RGCON-2024 from 15<sup>th</sup> to 17<sup>th</sup> March 2024

**Name of Faculty: Dr. Akanksha Solanki**

## Designation: Assistant Professor

### Papers Presented:

1. Devnani B, Pareek P, Joseph J, Mohan A, Irfad MP et al. Interstitial and surface mold brachytherapy for head and neck cancers – An institutional experience. *Radiother Oncol* 182 (1): S318-S320
2. Upfront Surgery Vs Induction Chemotherapy followed by Surgery in Oral cavity Squamous Cell Cancers with Advanced Nodal Disease (Survic Trial): A phase 3 multicenteric randomized controlled trial- Presented at European society of surgical Oncology.
3. Nair KR, Pareek P, Jha D, Elehance P, Devnani B, Solanki A et al. Epidemiological profile and IDH mutation status of glioma patients treated at a tertiary cancer centre in North-Western India: Aretrospective single institutional study. Presented at Indian Cancer Congress.
4. A case of soft tissue sarcoma treated with brachytherapy monotherapy – Selected for best video presentation at YROC 2024- Dr. Saurav Kumar
5. Is more less? Contouring of heart may not be a surrogate marker to dose to cardiac substructures – Selected for best paper for poster discussion category – Dr. Rishi Nair.
6. Developing a foot fixer with sponges to immobilize patients during radiotherapy- Selected for best paper for poster discussion category – Ms Sonal Varshney.
7. Induction chemotherapy: hope or Hype in head and Neck Cancers \_ An audit from Institute of National Importance in Western Rajasthan- Selected for best paper for poster discussion category – Dr. Atul Gupta

### Symposium Speaker:

1. Invited as Speaker in State chapter conference RAJAROICON 2024 on 25<sup>th</sup> February on Topic “ Bevacizumab in brain tumors”.
2. Invited as Speaker in Pre conference workshop “Contouring in Head and Neck Cancers” which was a part of State chapter conference RAJAROICON 2024 on 23<sup>th</sup> February on Topic “ Contouring in Head and Neck for Definitive Treatment”

### Resource Faculty:

1. Additional Organizing secretary of Annual national conference of Young Radiation Oncologists Conference (10<sup>th</sup> YROC) at AIIMS Jodhpur

### Research Project:

#### Ongoing:

#### As Co-Investigator:

2. Intra-individual comparison of diagnostic utility of Tc99m-PMSA and Tc99m-MDP bone scintigraphy in patients with carcinoma prostate.
3. Non-Clinical Factors affecting patient's choice of Mastectomy over Breast Conservation Surgery in Carcinoma Breast: A cohort study from North Western India.
4. Neoadjuvant chemotherapy followed by surgery versus surgery followed by adjuvant chemotherapy for gastric adenocarcinoma- phase 3 multicentric randomized controlled trial (NAGA) [Extramural]
5. A Clinical Applicability Study of the Tumour Specific Electroporation Technique for patients with locally advanced or recurrent Head & Neck cancer using IQwave 3.0 CE [Extramural]
6. Quality of life, physical and mental well-being with Yoga Therapy in Head and Neck cancer patients managed with surgery first as a curative intent treatment: A Randomized Controlled Trial [Extramural]
7. Protein expression analysis using Immunohistochemistry in the border line resectable oral squamous cell carcinoma treated with induction chemotherapy: Exploratory longitudinal study [Intramural]

8. Stratification of pancreaticobiliary and gall bladder FNAB specimens by application of the WHO reporting system for pancreaticobiliary cytology.
9. Interstitial and surface mould brachytherapy for oral cancers- An Institutional experience.

#### **Examinership:**

1. Paper setter in Gujarat Public Service Commission (GPSC) **December 2023**

#### **National/ International Conferences attended:**

1. Member of Organizing committee as Additional Organizing secretary and also attended national Conference Young Radiation Oncologists Conference (YROCC) at AIIMS Jodhpur, held from 19<sup>th</sup> to 21<sup>st</sup> January 2024
2. State Chapter conference of Association of Radiation Oncologists of India (RAJAROICON) at Jaipur in February 2024.

#### **Workshops/ Conferences Organized by the Department**

1. 10<sup>th</sup> Young Radiation Oncologists conference (YROCC) from 20<sup>th</sup> to 21<sup>st</sup> Jan 2024
2. Pre-conference Brachytherapy live workshop on 19<sup>th</sup> Jan 2024 as a part of 10<sup>th</sup> YROCC at AIIMS Jodhpur, held from 19<sup>th</sup> to 21<sup>st</sup> January 2024
3. Pre-conference hands -on workshop on SBRT/SRS on 19<sup>th</sup> Jan 2024 as a part of 10<sup>th</sup> YROCC at AIIMS Jodhpur, held from 19<sup>th</sup> to 21<sup>st</sup> January 2024

#### **Conferences organized by the Department:**

##### **The 10<sup>th</sup> Young Radiation Oncologists conference (YROCC) from 20<sup>th</sup> to 21<sup>st</sup> Jan 2024**

The 10th Young Radiation Oncologist Conference (YROCC) was organized by the Department of Radiation Oncology at the All India Institute of Medical Sciences, Jodhpur. It was held between 19th-21st January 2024 with the theme of "Brachytherapy and SABR – Common goals, unique skills" under the leadership of organizing chairman Dr. Puneet Pareek and organizing secretary Dr. Bharti Devnani with the support of Dr. Rajesh Vashishth (AROI Chair), Prof. Manoj Gupta (President AROI), Dr V. Srinivasan (AROI Secretary) and more than 100 distinguished faculties across the country. The conference spanned three days, with the first day involving a live brachytherapy workshop with breast and sarcoma brachytherapy followed by a hands-on workshop focusing on stereotactic radiotherapy for brain metastases and SBRT for lung metastases. The main conference was a culmination of scholarly exchange in collaborative learning, featuring esteemed speakers and panel discussions, scientific sessions, and debates focusing on the evolving techniques of SBRT and established brachytherapy techniques.

The conference had a record-breaking more than 350 registrations, multiple mentorship sessions which were well-appreciated by residents, fellows, and faculties, presentation of oral, poster, video abstracts, and an open house quiz. The conference received an overwhelming response regarding the abstracts, with more than 300 abstracts received from across the country. Video abstract category was added for the first time and first 50 abstract submitters got the complementary accommodation as an encouragement.

The mentorship sessions were also the first of their kind to be held at the radiation oncology national conference, with the sessions focusing on fellowship opportunities in careers and radiation oncology, writing a scientific paper and interpreting clinical trials, leadership, and oncology, establishing networks and oncology, publishing in a viable Journal and finally meeting examiner's expectations in radiation oncology exams. The students and young consultants met all the sessions with overwhelming responses.



SRS Workshop sessions in progress



YROC Live Brachytherapy Workshop in progress



Faculty and delegates during the YROC Valedictory ceremony

## Department of Surgical Gastroenterology

S. No.	Name	Designation
1	Dr. Vaibhav Kumar Varshney	Additional Professor and Head
2	Dr. Subhash Chandra Soni	Additional Professor
3	Dr. Selvakumar. B	Assistant Professor
4	Dr. Peeyush Varshney	Assistant Professor
5	Dr. Lokesh Agarwal	Assistant Professor

### About the Department:

The Department of Surgical Gastroenterology continued its constructive journey toward the well-being of patients, training of residents, and research work during the year under consideration. State-of-the-art facilities and equipment, especially laparoscopy and robotics, were utilised to fulfil the need for complex surgeries for patients with various gastrointestinal and hepato-biliary-pancreatic (HBP) disorders. All the faculty members and senior residents (SRs) put their best efforts into achieving excellence in patient care and the growth of the department. The responsibilities have been assigned to all the faculty members for even work distribution and to get constructive opinions. We could perform the first Deceased Donor Liver Transplantation (DDLT) in March 2024 in the institute. It was the first time this procedure was conducted among the first six new AIIMS developed under Pradhan Mantri Swasthya Suraksha Yojana (PMSSY). Apart from that, we continued to perform living-related liver transplantation, and we are determined to continue this activity in the future.

### EDUCATION

The department has seven SRs pursuing M.Ch. in Surgical Gastroenterology. Academics in the form of journal clubs, seminars, debates, operative procedure discussions and clinical case presentations were conducted regularly. Our 3rd-year M.Ch. residents, Dr Vishu Jain and Dr Kaushal Rathore represented the department at the national IASG conference in Hyderabad in October 2023, and Dr Kaushal received the best surgical video award of the conference. Apart from this, the junior residents pursuing post-graduation (M.S.) in the Department of General Surgery were posted regularly on a rotation basis. The department also actively taught undergraduate students through didactic lectures and problem-based learning.

### PATIENT CARE

**Outpatient:** Our outpatient services are available on the 5<sup>th</sup> floor of the OPD section, C block (Room No.-, 538, 547-549). Our department policy remains to provide fast-track treatment to all patients with gastrointestinal disorders. Surgical interventions were prioritised for patients suffering from Gastrointestinal and HBP cancers after taking all necessary precautions. We run a special clinic for chronic liver disease, morbid obesity and HBP oncology patients in the afternoon every Wednesday. The total number of patients seen in OPD was 7039 [2603 (new) + 4436 (old follow-up)].

**Inpatients:** Bed strength for the department is **gradually increasing. We have** separate beds for male and female patients, along with semi-private and private rooms. Records of all patients admitted, treated, and discharged are maintained methodically in computer software for easy access and follow-up. Total

IPD admissions:1068 including 866 new admissions; Total Surgical procedures performed: 539 (Elective: 449, Emergencies: 90); Total number of mortalities: 27 (Operative- 9).

### Compiled list of Publications of the Department:

#### PubMed Indexed:

1. Agrawal N, Gothwal M, Yadav G, Singh P, Varshney V, Yadav T, Khera S. Ileo-dermoid Fistula: A Rare Presentation of Ovarian Dermoid. *J Midlife Health*. 2023 Oct-Dec;14(4):299-301.
2. N Vigneah, Varshney VK, B S, Soni S, Varshney P, Agarwal L. Impact of nasogastric tube exclusion after minimally invasive esophagectomy for esophageal cancer: a single-centre retrospective study in India. *J Minim Invasive Surg*. 2024 Mar 15;27(1):23-32.
3. Suman S, Varshney VK, Varshney B, Bharti JN, Yadav T. Jejunal mucinous adenocarcinoma: Unusual presentation of a rare pathology. *Med J Armed Forces India*. 2023 Dec;79(Suppl 1):S329-S332.
4. Nayar R, Varshney VK, Hussain S, Yadav T, Puranik A. Left hepatectomy for hepatic hydatid cyst with intra-biliary rupture: Better to be radical. *Med J Armed Forces India*. 2023 Dec;79(Suppl 1):S325-S328.
5. Sarangi S, Thirunavukkarasu B, Khera S, B Selvakumar, Yadav T. Vascular tumors of the liver: A brief review. *Ann Hepatobiliary Pancreat Surg*. 2023 Nov; 27(4):329-41.
6. Agarwal L, Varshney VK, Jabbar S, Selvakumar B, Yadav T, Khera S. Thoracoscopy-Assisted Esophagectomy for Esophageal Leiomyomatosis. *J Gastrointest Cancer*. 2023 Oct 7.
7. Rathore KS, Varshney P, Soni SC, Varshney VK, B S, Agarwal L, Birda CL. Open injury, robotic repair-moving ahead! Total robotic Roux-en-Y hepaticojejunostomy for post-open cholecystectomy Bismuth type 2 biliary stricture using indocyanine green dye. *J Minim Invasive Surg*. 2023 Sep 15;26(3):151-154.
8. Jain V, Selvakumar B, Varshney VK, Vishwajeet V, Taywade S, Agarwal L, Yadav T, Pandey R. Gangliocytic Paraganglioma of the Duodenum: A Masquerader. *Ochsner J*. 2023 Fall;23(3):251-256.
9. Jain V, Varshney P, Aggarwal D, Soni SC, Varshney VK, Selvakumar B, Agarwal L. Carcinosarcoma of the Esophagus-A Diagnostic Challenge. *Ochsner J*. 2023 Fall;23(3):243-247.
10. NIHR Global Health Research Unit on Global Surgery Collaborators. Exploring the cost-effectiveness of high versus low perioperative fraction of inspired oxygen in the prevention of surgical site infections among abdominal surgery patients in three low- and middle-income countries. *BJA Open*. 2023 Jul 15;7:100207.
11. Sharma S, Sureka B, Varshney V, Soni S, Yadav T, Garg PK, Khera PS. MDCT evaluation of Dorsal Pancreatic Artery and Intrapancreatic arcade anatomy. *Surg Radiol Anat*. 2023 Aug 28.
12. Hussain S, Saini V, Varshney VK\*, Bhargava N. Bottle Gourd Juice: Poison or Panacea. *Cureus*. 2023 Jun 24;15(6):e40886.
13. Jabbar SA, Selvakumar B, Soni SC, Taywade S, Elhence P. Synchronous Squamous Cell Carcinoma of Rectum and Anal Canal Detected by FDG PET/CT-A Rare Entity. *Clin Nucl Med*. 2023 Jun 1;48(6):e297-e299.
14. Sreesanth KS, Soni SC, Varshney VK, Puranik AK, Bhatia PK. Short-term outcomes of enhanced recovery after surgery protocol in minimally invasive oesophagectomy: A prospective study. *J Minim Access Surg*. 2023 May 10.
15. Chaudhari V, Ramaswamy A, Srinivas S, Agarwal A, Seshadri RA, Talwar V, Bhargava P, Goel S, Kayal S, Rebala P, Prajapati B, Parikh D, Kothari J, Ch RM, Kadamapuzha JM, Kapoor D,

Chaudhary A, Goel V, Singh S, Ghosh J, Lavingia V, Gupta A, Sekar A, Misra S, Vishnoi JR, Soni S, Varshney VK, Bairwa S, Bhandare M, Shrikhande SV, Ostwal V. Practice Patterns and Survival in Patients with Resected Pancreatic Ductal Adenocarcinomas (PDAC) - Results from the Multicentre Indian Pancreatic & Periapillary Adenocarcinoma Project (MIPPAP) Study. J Gastrointest Cancer. 2023 Jun 5.

16. Varshney VK, Hussain S, Vignesh N, Selvakumar B, Agarwal L, Yadav T. Duplicated extrahepatic bile duct (type Vb): An important rare anomaly. Ann Hepatobiliary Pancreat Surg. 2023 May 31; 27(2): 220-225.
17. Varshney P, Kapoor VK. Hepato-pancreato-biliary tuberculosis: A review. Turk J Surg 2024; 40 (2): 95-103.
18. Varshney P, Nagar A, Sarin S, Venkatatelikicherla K, Tomar M, Choubey RP, Sharma A, Kapoor VK. Practices in the Management of Incidental Gall Bladder Cancer. South Asian J Cancer 2023;5(13);902.

#### **Non-PubMed Indexed:**

1. Sonker S, Sureka B, Soni SC, Kothari N. Cecal gangrene – Unusual complication of manual bowel decompression. Case Rep Clin Radiol 2023;1:123-6.

#### **Workshops / Conferences Organized**

1. Cadaveric Multi-Organ Retrieval CME & Hands-on Workshop on 15 March 2024 (Friday) at AIIMS, Jodhpur
2. Organised a Workshop on Laparoscopic Upper Gastrointestinal Surgery- February 2024 at AIIMS, Jodhpur

#### **Eminent Visitors:**

1. **Prof Viniyendra Pamecha**, Head of the Department, Department of HPB Surgery and Liver Transplantation, Institute of Liver and Biliary Sciences
2. **Dr Anil Kumar**, Director NOTTO and Additional DG, Ministry of Health & Family Welfare, GoI.

#### **Name of Faculty: Dr Vaibhav Kumar Varshney**

#### **Designation: Additional Professor and Head**

#### **Papers Presented:**

1. Video presentation on “Robotic Radical Cholecystectomy and Extrahepatic Bile Duct Excision with Roux-en-Y Hepaticojejunostomy” at the 5<sup>th</sup> Congress of International Advanced HBP Surgery (ISLS 2023) in Zurich (Switzerland) from 18<sup>th</sup> to 21<sup>st</sup> October 2023.
2. Poster presentation on “Comparison of Post-operative And Oncologic Outcomes Between Robotic Vs. Open Pancreatoduodenectomy: A Retrospective Comparative Study” at the 5<sup>th</sup> Congress of International Advanced HBP Surgery (ISLS 2023) in Zurich (Switzerland) from 18<sup>th</sup> to 21<sup>st</sup> October 2023.
3. ePoster presentation on “Robotic Resection of Choledochal Cyst with Roux-en-Y Hepaticojejunostomy in Adults: A Single Centre Experience and Lesson Learnt” at the 5<sup>th</sup> Congress



of International Advanced HBP Surgery (ISLS 2023) in Zurich (Switzerland) from 18<sup>th</sup> to 21<sup>st</sup> October 2023.

4. "Robotic Resection of Choledochal Cyst with Roux-en-Y Hepaticojejunostomy in Adults: A Single Centre Experience and Lesson Learnt" at the 9th Biennial International Congress of A-PHPBA 2023 conference in Bangalore from 27<sup>th</sup> to 30<sup>th</sup> September 2023.
5. "Robotic Epiphrenic Diverticulectomy" at the Asia Pacific Advanced Telemedicine Network (APAN) 56 on 21<sup>st</sup> August 2023.

#### **Sessions Chaired:**

1. State-level Sensitization cum Training Program on Organ Donation & Transplantation held in Jaipur on 15<sup>th</sup> February 2024
2. Invited as faculty for the 3<sup>rd</sup> Jaipur Surgical Festival held from 1<sup>st</sup> to 3<sup>rd</sup> December 2023.
3. Invited as faculty for the 6<sup>th</sup> iDLT Congress of the Liver Transplant Society of India, held in Jaipur from 17<sup>th</sup> to 19<sup>th</sup> November 2023
4. Faculty (Judge) at the 9th Biennial International Congress of Asia-Pacific HPB Association (A-PHPBA 2023) conference in Bangalore from 27<sup>th</sup> to 30<sup>th</sup> September 2023
5. Panelist for the session "Driving superior surgical outcome in HPB surgery" at the Asia-Pacific HPB Association conference in Bangalore from 27<sup>th</sup> to 30<sup>th</sup> September 2023.
6. Member of the selection committee for the Selection of Senior Resident (Non-Academics) at AIIMS, Bhubaneswar in September 2023

#### **Invited Lectures:**

1. Invited as a Speaker for the 3rd International Conference of Nepalese Association of Surgical Gastroenterology (NASG), Kathmandu from 23<sup>rd</sup> - 24<sup>th</sup> February 2024
2. Invited for lecture on 56th Asia-Pacific Advanced Network was held in Colombo (Online) from 21<sup>st</sup> to 25<sup>th</sup> August 2023.
3. 5<sup>th</sup> Congress of International Advanced HBP Surgery (ISLS 2023) in Zurich (Switzerland) from 18<sup>th</sup> to 21<sup>st</sup> October 2023
4. Invited for a lecture at the 33<sup>rd</sup> Annual Conference of the Indian Association of Surgical Gastroenterology (IASGCON) held in Hyderabad from 23<sup>rd</sup> to 25<sup>th</sup> November 2023.

#### **Resource Faculty:**

1. Organising Secretary for the workshop on Laparoscopic Upper Gastrointestinal Surgery on 23<sup>rd</sup> and 24<sup>th</sup> February 2024 at AIIMS, Jodhpur
2. Organising Secretary for the Cadaveric workshop on Abdominal multi-organ retrieval On 15<sup>th</sup> March 2024 at AIIMS, Jodhpur
3. Member of the selection committee for the Selection of Senior Resident (Non-Academics) at AIIMS, Bhubaneswar in September 2023

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

1. Robotic Vs Open Pancreatoduodenectomy for Periapillary Neoplasm: A Retrospective Analysis of Peri-operative and Oncologic Outcomes
2. Anatomical variations of hepatic arterial supply among patients undergoing CT scans in a tertiary care center in India: a descriptive study

3. Streptococcus Anginosus group bacterial infection in the Gallbladder bile and the risk of Gallbladder Cancer in North Indians

#### **As Co-Investigator**

1. Near Infra-Red Fluorescence Guided Lymphadenectomy During Esophagectomy for Esophageal Cancer
2. Fluorescence guided perfusion assessment of pancreatic stump to predict postoperative outcomes after pancreaticoduodenectomy - prospective observational study
3. Outcomes of Reinforcement Patch Around Pancreaticojejunostomy on Clinically Relevant Pancreatic Fistula After Pancreatoduodenectomy- A Randomised Controlled Trial
4. Impact of perioperative synbiotics on infective complications after pancreatoduodenectomy – a randomized controlled trial
5. Association between drain fluid culture positivity and post operative pancreatic fistula: A prospective observational study
6. Robotic resection of choledochal cyst with Roux-en-Y Hepaticojejunostomy in adults: A single centre experience
7. Surgical management of Groove Pancreatitis: A Single Center Institutional experience
8. Validation of algorithm-based care versus regular care in patients undergoing pancreatic resections: A Randomized control trial.
9. Post-operative hyperamylasemia predicts severe morbidity after Pancreatoduodenectomy: A Silent Evil
10. To evaluate the response of neoadjuvant chemoradiotherapy/chemotherapy in cases of carcinoma of esophagus and gastroesophageal junction undergoing minimally esophagectomy by PET-scan and its impact on clinical outcomes
11. Pancreatoduodenectomy with Multi-visceral Resection- A Comparative Analysis of Peri-operative outcomes
12. Management of Gastrointestinal Mucormycosis during the COVID-19 pandemic – lessons learned

#### **Completed:**

##### **As Principal Investigator**

1. Impact of Nasogastric tube exclusion after minimally invasive esophagectomy for esophageal cancer- A Comparative Analysis

##### **As Co-Investigator**

1. Laparoscopic Witzel feeding jejunostomy: a procedure overlooked!
2. Diagnostic performance of F-18 FDG PET/CT in differentiating autoimmune pancreatitis from pancreatic cancer – a Systematic review and Meta-analysis
3. HER2/neu overexpression in esophageal squamous cell carcinoma and its clinicopathological correlation: a prospective cross-sectional study.
4. Twenty-four hours pH monitoring of gastric conduit in post-esophagectomy patients and correlation with clinic-pathologic parameters: A prospective observational study.

#### **Scientific Awards:**

1. Received a travel grant of 500 USD from the International Society of Liver Surgeons to attend the 5<sup>th</sup> Congress of International Advanced HBP Surgery in Zurich (Switzerland) from 18<sup>th</sup> to 21<sup>st</sup> October 2023

#### **Examinership:**

1. Chief Examiner for the M.Ch. Exit examination held at AIIMS, Jodhpur in June 2023.
2. External Examiner for M.Ch. (Surgical Gastroenterology) exit examination at AIIMS, Rishikesh in December 2023.
3. External Examiner for the Thesis evaluation at various Institute of National Importance

#### **Memberships:**

1. Lifetime Membership of the Liver Transplant Society of India (LTSI)
2. Member of the International Society of Fluorescence Guided Surgery (ISFGS)

#### **National/ International Conferences attended:**

1. Observership for Laparoscopic Liver Surgery Masterclass program at Bumrungrad International Hospital, Bangkok, on the 8- 9 March 2024
2. 3<sup>rd</sup> International Conference of Nepalese Association of Surgical Gastroenterology (NASG), Kathmandu from 23<sup>rd</sup> - 24<sup>th</sup> February 2024
3. State-level Sensitization cum Training Program on Organ Donation & Transplantation held in Jaipur on 15<sup>th</sup> February 2024
4. 3<sup>rd</sup> Jaipur Surgical Festival held from 1<sup>st</sup> to 3<sup>rd</sup> December 2023.
5. 33<sup>rd</sup> Annual Conference of the Indian Association of Surgical Gastroenterology (IASGCON) held in Hyderabad from 23<sup>rd</sup> to 25<sup>th</sup> November 2023.
6. 6<sup>th</sup> iDLT Congress of the Liver Transplant Society of India, held in Jaipur from 17<sup>th</sup> to 19<sup>th</sup> November 2023
7. 5<sup>th</sup> Congress of International Advanced HBP Surgery (ISLS 2023) in Zurich (Switzerland) from 18<sup>th</sup> to 21<sup>st</sup> October 2023
8. 9<sup>th</sup> Biennial International Congress of Asia-Pacific HPB Association (A-HPBA 2023) conference in Bangalore from 27<sup>th</sup> to 30<sup>th</sup> September 2023
9. 56<sup>th</sup> Asia-Pacific Advanced Network was held in Colombo (Online) from 21<sup>st</sup> to 25<sup>th</sup> August 2023.

#### **Name of Faculty: Dr Subhash Chandra Soni**

#### **Designation: Additional Professor**

#### **Papers Presented:**

1. Indocyanine green versus preoperative oral lipids in preventing thoracic duct injuries in minimally invasive esophagectomy for carcinoma esophagus-A prospective comparative study at the 33<sup>rd</sup> National Conference of Indian Association of Surgical Gastroenterology (IASGCON), Hyderabad, 23<sup>rd</sup> – 25<sup>th</sup> Nov 2023.

#### **Sessions Chaired:**

1. ASPICON 2023, the 5<sup>th</sup> national conference by the Society of Antimicrobial Stewardship Practices in India (SASPI) at AIIMS, Jodhpur, from September 29<sup>th</sup> to October 1<sup>st</sup>, 2023.

2. 17th National Conference of Indian Academy of Tropical Parasitology (TROPACON 2023) at AIIMS Jodhpur from 27th-29th October 2023
3. Cadaveric Organ Retrieval workshop, AIIMS Jodhpur 15<sup>th</sup> March 2024

### **Research Project:**

#### **Ongoing:**

##### **As Principal Investigator**

1. Pilot study to evaluate liver and splenic stiffness in patients with Extrahepatic Portal Vein Obstruction and its correlation with clinical and intervention outcomes.
2. To evaluate the clinicopathological response of neoadjuvant chemoradiotherapy/chemotherapy in cases of carcinoma esophagus and GE junction undergoing minimal invasive esophagectomy by PET CT scan and its impact on clinical outcome.

##### **As Co-Investigator**

1. Near Infra-Red Fluorescence Guided Lymphadenectomy During Esophagectomy for Esophageal Cancer
2. Fluorescence guided perfusion assessment of pancreatic stump to predict postoperative outcomes after pancreaticoduodenectomy - prospective observational study
3. Validation of algorithm-based care for patients undergoing pancreatic resections: a randomised study
4. Quantitative 3T MRI and MR elastography assessment of pancreatic texture and its correlation with surgeon's palpation and histopathology
5. Opioid-induced enteropathy: a prospective observational study
6. Impact of Perioperative Synbiotics on Infectious Complications After Pancreatoduodenectomy- A Randomized Controlled Trial"
7. Association between drain fluid culture positivity and post-operative pancreatic fistula: A prospective observational study
8. Outcomes of Reinforcement Patch Around Pancreaticojejunostomy on Clinically Relevant Pancreatic Fistula After Pancreatoduodenectomy- A Randomised Controlled Trial
9. Clinical Profile and Outcomes of Acute Calculous Cholecystitis: A Prospective Observational Study"
10. Portal Vein Resection in Pancreatic Cancer – A Multicentric Indian Study (PVR-IM)

#### **Completed:**

##### **As Principal Investigator**

2. Indocyanine green versus preoperative oral lipids in preventing thoracic duct injuries in minimally invasive esophagectomy for carcinoma esophagus-A prospective comparative pilot study.

### **Scientific Awards/Patents**

1. Best Oral presentation in IASGCON, Hyderabad, 2023

### **Examinership**

1. M.Ch. exit exam. Department of Surgical Gastroenterology, AIIMS Jodhpur. June 2023.
2. Appointment as External Examiner for Thesis evaluation

**National/ International Conferences attended:**

1. ASPICON 2023, the 5th national conference by the Society of Antimicrobial Stewardship Practices in India (SASPI) at AIIMS, Jodhpur, from September 29th to October 1st, 2023.
2. 17th National Conference of Indian Academy of Tropical Parasitology (TROPACON 2023) at AIIMS Jodhpur from 27th-29th October 2023
3. 33<sup>rd</sup> National Conference of Indian Association of Surgical Gastroenterology (IASGCON), Hyderabad, 23<sup>rd</sup> – 25<sup>th</sup> Nov 2023.
4. Cadaveric Organ Retrieval workshop, AIIMS Jodhpur 15<sup>th</sup> March 2024

**Name of Faculty: Dr Selvakumar B.****Designation: Assistant Professor****Papers Presented:**

1. IASGCON Nov 2023 – Video – Robotic redo hepaticojejunostomy for a case of post-choledochal cyst excision strictured hepaticojejunostomy
2. 3<sup>rd</sup> JSF Dec 2023 – Lead Presenter of Evidence summary – Minimally invasive radical surgery for incidental gallbladder cancer - as part of discussion of the 'International Study Group on GallBladder Cancer (ISG-GBC)
3. RAMAS Dec 2023 – Surgical Technique lecture – Technique of robotic radical cholecystectomy

**Sessions Chaired:**

1. National Faculty – Chairperson – 'Optimising antibiotic therapy in transplant setting – impact of Anti-Microbial Stewardship' at 5<sup>th</sup> National Conference on Antibiotic Stewardship Practices in India (ASPICON 2023) – Sep-Oct 2023 at Jodhpur
2. National Faculty – Chairperson – Day 1 forenoon live operative session at the 15<sup>th</sup> Annual Conference of Rajasthan Association of Minimal Access Surgeons (RAMAS 2023) – Dec 2023 at Bandikui

**Resource Faculty:**

1. National Faculty – Panelist – 'Oncogenic potential of parasites and their management' at the 11<sup>th</sup> National Conference of Indian Association of Tropical Parasitology (TROPACON 2023) – Oct 2023 at Jodhpur
2. National Faculty – 3<sup>rd</sup> Jaipur Surgical Festival and Consensus meet of International Study Group – Gall Bladder Cancer (ISG-GBC) – Dec 2023 at Jaipur
3. National Faculty – Panelist – 'Post hepatectomy liver failure – prevention and management' at the Indian Association of Surgical Gastroenterology (IASG) Mid-Term Meet – Feb 2024 at AIIMS Bhubaneshwar
4. Organising Team – Workshop on Laparoscopic Upper Gastrointestinal Surgery – February 2024
5. Organising Team – Cadaveric workshop on Abdominal multi-organ retrieval – March 2024

**Research Project:****Ongoing:****As Principal Investigator:**

1. Pancreatoduodenectomy with Multi-visceral Resection- A Comparative Analysis of Peri-operative outcomes
2. Management of Gastrointestinal Mucormycosis during the COVID-19 pandemic – lessons learned
3. Impact of perioperative synbiotics on infective complications after pancreatoduodenectomy – a randomized controlled trial
4. Laparoscopic vs Open radical re-resection for incidental gallbladder cancer – A Systematic review and Meta-analysis.
5. Timing of radical re-resection in incidental gallbladder cancer – A Systematic review

**As Co-Investigator:**

1. Assessment to Predict Post-operative Pancreatic Fistula After Pancreatoduodenectomy with Novel Peri-operative Parameters.
2. To evaluate the response of neoadjuvant chemoradiotherapy/ chemotherapy in cases of carcinoma esophagus and gastroesophageal junction undergoing minimally invasive esophagectomy by PET scan and its impact on clinical outcome.
3. Post-operative Hyperamylasemia Predicts Severe morbidity after Pancreatoduodenectomy: A Silent evil.
4. Validation of algorithm-based care versus regular care in patients undergoing pancreatic resections: a randomized controlled trial
5. Surgical Management of Groove Pancreatitis: A Single Center Institutional Experience and Literature Review
6. Robotic resection of choledochal cyst and Roux-En-Y Hepaticojejunostomy in Adults: A Single center experience and lessons learnt.
7. Near Infra-Red Fluorescence-guided lymphadenectomy during esophagectomy for esophageal cancer: A prospective study.
8. Fluorescence-guided perfusion assessment of Pancreatic Stump to predict postoperative outcomes after pancreaticoduodenectomy: A prospective observational study
9. Evaluation of SATB2 and CTLA4 IHC expression in colorectal carcinoma and its correlation with clinic-pathologic parameters (with Dept of Pathology)
10. To establish new interpretation criteria on early FDG PET-CT scan, post neoadjuvant chemoradiation with post-operative histopathology on patients with carcinoma Esophagus. (with Dept of Nuclear Medicine)
11. Association between Drain Fluid Culture Positivity and Postoperative Pancreatic Fistula (POPF): A Prospective Observational Study
12. Outcomes of Reinforcement Patch Around Pancreaticojejunostomy on Clinically Relevant Pancreatic Fistula After Pancreatoduodenectomy – A Randomised Controlled Trial

**Completed:**

**As Principal Investigator:**

1. Diagnostic performance of F-18 FDG PET/CT in differentiating autoimmune pancreatitis from pancreatic cancer – a Systematic review and Meta-analysis

**As Co-Investigator:**

1. HER2/neu overexpression in esophageal squamous cell carcinoma and its clinicopathological correlation: a prospective cross-sectional study.

2. Twenty-four hours pH monitoring of gastric conduit in post-esophagectomy patients and correlation with clinic-pathologic parameters: A prospective observational study.
3. Retrospective analysis of laparoscopic and open feeding jejunostomy and their outcome
4. Neoadjuvant Chemotherapy Vs Chemoradiotherapy for Malignancy of Oesophagus: A Prospective Comparative Study (NAMO Study)
5. Diagnostic performance of NI-RADS on F-18 FDG PET/CT in the post-treatment assessment of Head and Neck Malignancies - A Systematic review and Meta-analysis.

#### **Membership/Post in Journal or Society or Association**

1. Life Member – Society of Antibiotic Stewardship Practices in India (SASPI) – Membership Number – SASPI/LM/115
2. Life Member – Liver Transplant Society of India (LTSI) – Membership Number – 1063
3. Member – International Society of Fluorescence Guided Surgery (ISFGS)

#### **National/ International Conferences attended:**

BASO-ESSO Webinar 'The Evolving Concept of Neoadjuvant Therapy and Advanced Surgery for Pancreatic Cancer', on 31<sup>st</sup> May 2023, Online

ESSO Webinar 'Essentials of Robotic Surgery: How to get started', on 6<sup>th</sup> June 2023, Online

Liver Transplant Society of India (LTSI) - PACE: Abdominal Organ Retrieval Workshop – Bangalore, 12<sup>th</sup> to 14<sup>th</sup> October 2023, Physical

RCSEd-ARIS Webinar 'Clinical experience with various robotic platforms and their specific user case advantages: Established systems', on 20<sup>th</sup> October 2023, Online

6<sup>th</sup> International Congress of the iLDT Group 2023 – Jaipur, 17<sup>th</sup> & 18<sup>th</sup> November 2023, Physical

Indian Association of Surgical Gastroenterology – National Conference (IASGCON)- Hyderabad, 22<sup>nd</sup> to 25<sup>th</sup> November 2023, Physical

3<sup>rd</sup> Jaipur Surgical Festival (JSF) and Consensus Meeting of the International Study Group on GallBladder Cancer (ISG-GBC) - Jaipur, 30<sup>th</sup> November to 2<sup>nd</sup> December 2023, Physical

15<sup>th</sup> Annual Conference of Rajasthan Association of Minimal Access Surgeons (RAMAS) – Bandikui, 8<sup>th</sup> and 9<sup>th</sup> December 2023

2<sup>nd</sup> Webinar of SASPI, on 9<sup>th</sup> January 2024, Online

Indian Association of Surgical Gastroenterology (IASG) Mid-Term CME 2024 - Bhubaneswar, 23<sup>rd</sup> to 26<sup>th</sup> February 2024, Physical

#### **Name of Faculty: Dr Peeyush Varshney**

#### **Designation: Assistant Professor**

#### **Papers Presented:**

1. Open injury, robotic repair-moving ahead! Total robotic Roux-en-Y hepaticojejunostomy for post-open cholecystectomy Bismuth type 2 biliary stricture using indocyanine green dye – AHPBA Bengaluru, Sept 2023
2. Total Laparoscopic left lateral segmentectomy for recurrent hydatid cyst of liver: need for radicality. - AHPBA Bengaluru, Sept 2023
3. Enbloc extra-hepatic bile duct excision for complex hilar Intraductal papillar neoplasm of bile duct (IPNB-liver), HPB surgery week, Seoul, South Korea March 2023

4. Total Laparoscopic Right hepatectomy for IPNB liver – Gallbladder handle technique. HPB surgery week, Seoul, South Korea March 2023

#### **Sessions Chaired:**

1. Challenging the limits of Liver resection for locally advanced HCC -IASG Midterm meet Bhubaneswar February 2023
2. Pancreaticoduodenectomy - Anticipation of variations and pre/intraoperative planning - IASG Midterm meet Bhubaneswar February 2023
3. New innovations in Liver Transplant -6<sup>th</sup> International Conference for Living Donor Liver Transplant held at Jaipur in November

#### **Invited Lectures**

1. 3<sup>rd</sup> Jaipur Surgical Festival held at Jaipur from December 1<sup>st</sup> to 3<sup>rd</sup> Dec 2023 (Invited lecture on Neo-adjuvant therapy in Incidental Gallbladder cancer and Content contributor for consensus guidelines on management of iGBC)

#### **Symposium Speaker:**

1. Faculty for Masterclass by JST
  - a) Evaluation of Donor for LDLT in Liver transplant masterclass
  - b) HPB tuberculosis in Abdominal Tuberculosis masterclass

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

1. Validation of algorithm-based care versus regular care in patients undergoing pancreatic resections: a randomized controlled trial
2. Post-operative Hyperamylasemia Predicts Severe morbidity after Pancreatoduodenectomy: A Silent evil.

##### **As Co-Investigator**

1. *Streptococcus Anginosus* group bacterial infection in the Gallbladder Cancer in North India (Multicentric, International)
2. Surgical Management of Groove Pancreatitis: A Single Center Institutional Experience and Literature Review
3. Pancreatoduodenectomy with Multi-visceral Resection- A Comparative Analysis of Peri-operative outcomes
4. Fluorescence Guided Perfusion Assessment of Pancreatic Stump to Predict Postoperative Outcomes after Pancreaticoduodenectomy - A Prospective Observational Study
5. Near Infra-red Guided Lymphadenectomy during Esophagectomy for Esophageal Cancer
6. Assessment to Predict Post-operative Pancreatic Fistula After Pancreatoduodenectomy with Novel Peri-operative Parameters.
7. To evaluate the response of neoadjuvant chemoradiotherapy/ chemotherapy in cases of carcinoma esophagus and gastroesophageal junction undergoing minimally invasive esophagectomy by PET scan and its impact on clinical outcome.



8. Robotic resection of choledochal cyst and Roux-En-Y Hepaticojejunostomy in Adults: A Single center experience and lessons learnt.

**Completed:**

**As Principal Investigator**

1. Retrospective analysis of laparoscopic and open feeding jejunostomy and their outcome

**Scientific Awards/Patents**

1. Traveling fellowship by LTSl

**Membership/Post in Journal or Society or Association:**

1. Fellow of the American College of Surgeons

**National/ International Conferences attended:**

1. APHPBA Bengaluru- IHPBA Indian Chapter – Sept 2023
2. 6<sup>th</sup> iLDLT meeting – LTSl – Nov 2023
3. 3<sup>rd</sup> JSF – IASGO and MGMCH Jaipur – Dec 2023
4. Mid-term conference – IASG – Bhubaneshwar Feb 2024
5. HPB Surgery Week, Seoul South Korea, March 2024

**Name of Faculty: Dr. Lokesh Agarwal**

**Designation: Assistant Professor**

**Papers Presented:**

1. 'Laparoscopic Roux-en-Y Hepaticojejunostomy for Post-Cholecystectomy Type 3b Benign Biliary Stricture with Internal Duodenal Fistula" at the 09th Biennial Congress of the Asian-Pacific Hepato-Pancreato Biliary Association (APHPBA 2023)

**Invited Lectures:**

1. Invited lecture on "We are here on the shoulder of our mentors" at the Annual Day & CME in Surgery-2023, AIIMS New Delhi; 2<sup>nd</sup> to 5<sup>th</sup> September 2023.

**Resource Faculty:**

1. Successful Conduct of Cadaveric Multi-Organ Retrieval Workshop, 15th March, 2024
2. Organized the Bariatric Patient Support group meet in the Department of Surgical gastroenterology in collaboration with department of Dietetics and AYUSH.
3. Member faculty at various committees of the institute
  - a. Member faculty: Yoga and meditation club
  - b. Member faculty: Guest house committee
  - c. Member faculty: Committee for the repair and maintenance of general/hospital furniture
  - d. Member faculty in the Rate contract committee of the institute
4. Research co-ordinator for the Department of Surgical Gastroenterology

5. Outreach program co-ordinator for the Department of Surgical Gastroenterology.

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. Impact of Intensive Dietary Regime and Supervised Yoga Therapy on Non Alcoholic Fatty Liver Disease in Indian Adult Population: A Three Arm Randomized Controlled Trial : ICMR funded Proposal submitted: ID: IIRPSG-2024-01-01727

**As Co-Investigator**

1. Impact of Perioperative Synbiotics on Infective Complications After Pancreatoduodenectomy - A Randomised Controlled Trial
2. Association of drain fluid culture positivity with postoperative pancreatic fistula: A Prospective Observational Study
3. Outcomes of Reinforcement Patch Around Pancreaticojejunostomy on Clinically Relevant Pancreatic Fistula After Pancreatoduodenectomy- A Randomised Controlled Trial

**Scientific Awards/Patents**

1. 3rd prize in the best video category, "Laparoscopic Roux-en-Y Hepaticojejunostomy for Post-Cholecystectomy Type 3b Benign Biliary Stricture with Internal Duodenal Fistula" at the 09th Biennial Congress of the Asian-Pacific Hepato-Pancreato Biliary Association & 19th Annual National Conference of Indian Chapter of IHPBA (APHPBA 2023): 27th – 30th September 2023

**Membership/Post in Journal or Society or Association:**

1. Lifetime membership of the Obesity and Metabolic Surgery Society of India (OSSI)
2. Lifetime membership of the Indian Association of Gastrointestinal Endosurgeons – IAGES
3. Awarded the Fellowship of the Indian Association of Gastrointestinal Endoscopic Surgeons (FIAGES).

**National/ International Conferences attended:**

1. 09th Biennial Congress of the Asian-Pacific Hepato-Pancreato Biliary Association & 19th Annual National Conference of Indian Chapter of IHPBA (APHPBA 2023): 27<sup>th</sup> – 30<sup>th</sup> September 2023

## Department of Surgical Oncology

S. No.	Name	Designation
1.	Dr. Jeewan Ram Vishnoi	Additional Professor & Head
2.	Dr. Dharma Ram Poonia	Associate Professor
3.	Dr. Nivedita Sharma	Assistant Professor

### About the Department:

The Department of Surgical Oncology provides consultation for screening, diagnosis, surgical management, and follow-up of cancer patients. From 1<sup>st</sup> April 2023 to 31<sup>st</sup> March 2024, 18285 patients visited our OPD for various surgical problems. We have a separate teaching room for undergraduate teaching in the same block. The major operation theaters are located in the Modular OT Complex on the 4<sup>th</sup> floor. The minor operation theaters are located in the Trauma and Emergency OT complex. A total of 973 numbers of major surgical operations were performed during this period. We have endo-trainer facilities for laparoscopic procedures in the surgical skill lab located in the OT complex.

**Out-Patient Department:** Our OPD works six days a week (Monday to Saturday, in the A block, 5<sup>th</sup> floor of the OPD complex (Room no. 509-12). We do minor procedures or surgical procedures, including core cut, punch, incisional biopsies and dressing, etc., in Room No. 501. Our department policy is first to evaluate the patients on the OPD basis who may need any surgical intervention and then admit them through the waiting list. Patients are given a choice of either a general or private or semi-private ward. We run a Tumor Board meeting every Saturday.

**In-Patient Department:** IPD wards are separate for males and females, along with both general and special pay rooms (private or semi-private). The patient is thoroughly evaluated, and history & examination is prepared by the resident as soon as the patient arrives. A printed discharge summary is handed over to all the patients. We are maintaining soft copies of all the data, including operative and discharge summaries.

**Surgeries:** The department of surgical oncology has all the facilities required for the surgical treatment of cancer patients. Apart from the conventional open surgeries, we perform minimal access surgery with the help of laparoscopic techniques as well as da Vinci Robotic Surgical System. We provide advanced care surgery including all kind of resection and reconstruction for head and neck cancers, breast conservation surgery, oncoplastic surgery & sentinel lymph node biopsies, multiorgan resection, cytoreductive surgery, and hyperthermic intraperitoneal chemotherapy (HIPEC), limb preservations surgeries for extremity sarcomas. We do quite often complex surgeries like total pelvic exenteration for advanced pelvic tumors. We routinely perform complex laparoscopic surgery, video video-assisted thoracic surgery (VATS). With the help of a robotic system, we routinely perform complex cancer surgery for esophagus, rectum, stomach, endometrium, thyroid, and TORS.

### Teaching:

**Research and Academics:** We are actively involved in various national and internationally funded research projects with multi-institutional collaboration and are currently running seven such tasks. The department has initiated nine funded trials and the cumulative extramural funding of the department is 2.26 Crore. The department is running a super-specialty course of M.Ch. in Surgical Oncology since 2019 with an annual intake of 4 candidates and 12 students are pursuing their M. Ch. training. A total of 8 trainees have passed the degree as of now and are placed in prestigious institutes in the country.

**Eminent Visitors:**

**Dr Shailesh Srikhande** : Professor & Head, Division of Cancer Surgery, and Chief of Gastrointestinal and Hepato-Pancreatobiliary Service, Tata Memorial Hospital, Mumbai

**Compiled list of Publications of the department :****Pubmed Indexed:**

1. Ramaswamy A, Chaudhari V, Srinivas S, Bhargava P, Kannan S, Agarwal A, Seshadri RA, Talwar V, Goel S, Goel V, Singh S, Kayal S, Rebala P, Rao GV, Prajapati B, Parikh D, Kothari J, Kadamapuzha JM, Ramesh H, Kapoor D, Chaudhary A, Gupta A, Sekar A, Misra S, Vishnoi JR, Soni S, Varshney VK, Bairwa SK, Ghosh J, Lavingia V, Bhandare M, Shrikhande SV, Ostwal V. Adjuvant therapy may improve overall survival in high-risk periampullary adenocarcinomas patients - A match-pair analysis from a multi-institutional cohort study (The MIPPAP study). *HPB (Oxford)*. 2024 Jul 2:S1365-182X(24)01776-3. doi: 10.1016/j.hpb.2024.06.010. Epub ahead of print. PMID: 39019675.
2. Gadwal A, Panigrahi P, Khokhar M, Sharma V, Setia P, Vishnoi JR, Elhence P, Purohit P. A critical appraisal of the role of metabolomics in breast cancer research and diagnostics. *Clin Chim Acta*. 2024 Jul 15;561:119836. doi: 10.1016/j.cca.2024.119836. Epub 2024 Jun 27. PMID: 38944408.
3. NIHR Global Health Research Unit on Global Surgery; STARSurg Collaborative. A prognostic model for use before elective surgery to estimate the risk of postoperative pulmonary complications (GSU-Pulmonary Score): a development and validation study in three international cohorts. *Lancet Digit Health*. 2024 Jul;6(7):e507-e519. doi: 10.1016/S2589-7500(24)00065-7. PMID: 38906616.
4. Gadwal A, Purohit P, Khokhar M, Vishnoi JR, Pareek P, Choudhary R, Elhence P, Banerjee M, Sharma P. GALNT6, GALNT14, and Gal-3 in association with GDF-15 promotes drug resistance and stemness of breast cancer *via*  $\beta$ -catenin axis. *Growth Factors*. 2024 May;42(2):84-100. doi: 10.1080/08977194.2024.2368907. Epub 2024 Jun 18. PMID: 38889447.
5. Gadwal A, Purohit P, Khokhar M, Vishnoi JR, Pareek P, Choudhary R, Elhence P, Banerjee M, Sharma P. GALNT14 in association with GDF-15 promotes stemness and drug resistance through  $\beta$ -catenin signalling pathway in breast cancer. *Mol Biol Rep*. 2024 May 25;51(1):691. doi: 10.1007/s11033-024-09645-9. PMID: 38796671.
6. PancreasGroup.org Collaborative. Pancreatic surgery outcomes: multicentre prospective snapshot study in 67 countries. *Br J Surg*. 2024 Jan 3;111(1):znad330. doi: 10.1093/bjs/znad330. PMID: 38743040; PMCID: PMC10771125.
7. Shekhar S, Singh P, Vishnoi JR, Goel S, Pareek P, Sharma C, Goyal M, Yadav G, Jhirwal M, Soni S, Misra S. Upfront debulking surgery or delayed surgery after neoadjuvant chemotherapy for advanced-stage epithelial ovarian cancer: Comparison of survival from a noncancer center in India. *Indian J Cancer*. 2023 Aug 7. doi: 10.4103/ijc.IJC\_1146\_20. Epub ahead of print. PMID: 38090972.
8. Pradhan A, Dwivedi P, Pareek P, Kalra S, Singh S, Varthya SB, Goel AD, Shamim MA, Vishnoi JR, Sharma PP, Pradhan A, Ambwani S, Misra S. Electronic-PRO Measures for adverse events Of Treatment In ONcology (E-PROMOTION). *Int J Med Inform*. 2024 Feb;182:105305. doi: 10.1016/j.ijmedinf.2023.105305. Epub 2023 Dec 1. PMID: 38061185.
9. ESCP EAGLE Safe Anastomosis Collaborative and NIHR Global Health Research Unit in Surgery. Evaluation of a quality improvement intervention to reduce anastomotic leak following right colectomy (EAGLE): pragmatic, batched stepped-wedge, cluster-randomized trial in 64 countries. *Br J Surg*. 2024 Jan 3;111(1):znad370. doi: 10.1093/bjs/znad370
10. NIHR Global Health Research Unit on Global Surgery. Routine sterile glove and instrument change at the time of abdominal wound closure to prevent surgical site infection (ChEETAh): a model-based

- cost-effectiveness analysis of a pragmatic, cluster-randomised trial in seven low-income and middle-income countries. *Lancet Glob Health*. 2024 Feb;12(2):e235-e242. doi: 10.1016/S2214-109X(23)00538-7
11. NIHR Global Health Research Unit on Global Surgery Collaborators. Exploring the cost-effectiveness of high versus low perioperative fraction of inspired oxygen in the prevention of surgical site infections among abdominal surgery patients in three low- and middle-income countries. *BJA Open*. 2023 Jul 15;7:100207. doi: 10.1016/j.bjao.2023.100207.
  12. NIHR Global Research Health Unit on Global Surgery; Hospital Principle Investigator. Strategies to minimise and monitor biases and imbalances by arm in surgical cluster randomised trials: evidence from ChEETAh, a trial in seven low- and middle-income countries. *Trials*. 2023 Apr 5;24(1):259.
  13. Patni S, Sharma N, Modi N, Bhatia A. Ghost Stoma Solving the Dilemma of Diversion After Anterior Resection: Surgical Technique Description and Experience from a Single Centre. *Indian J Surg Oncol*. 2024 Mar;15(1):53-58. doi: 10.1007/s13193-023-01840-7.
  14. Rathod DK, Sharma A, Sharma N, Kaushik A, Karmakar S. Takotsubo cardiomyopathy following head and neck surgery: Can the fear of disfigurement be blamed ? *Saudi Journal of Anaesthesia*. 2023 Jul 1;17(3):419-22
  15. Anju G, Rao M, Nalwa A, Poonia DR. Secretory carcinoma of parotid gland masquerading as acinic cell carcinoma on cytology: Case report and review of literature. *Diagn Cytopathol*. Published online November 11, 2023. doi:10.1002/dc.25251
  16. Majumdar KS, Kaul P, Kailey VS, Poonia Dr et al. Radiological tumor thickness as a clinical predictor of pathological depth of invasion in oral squamous cell carcinoma: a retrospective analysis. *Eur Arch Otorhinolaryngol*. 2023;280(3):1417-1423. doi:10.1007/s00405-022-07692-1

#### **Non-Pubmed Indexed:**

1. Poonia DR, Sehrawat A, Vishnoi JR, Sharma N, Kar M, Pareek P, Devnani B, Solanki A, Aggarwal D, Yadav t, Elhence P, Khera P, Sharma PP, Garg P, Mahajan R, Jakhetiya A Kumar V, Muduly D. Upfront Surgery Vs Induction Chemotherapy Followed By Surgery In Oral Cavity Squamous Cell Cancers With Advanced Nodal Disease (SurVIC Trial): A Phase 3 Multicentric Randomized Controlled Trial. *European Journal of Surgical Oncology*, Volume 50, Issue 2, 107923 (Abstract)
2. Poonia DR, Vishnoi JR, Sharma N, Warriar A, Kar M, Pareek P, Kumar P, Devnani B, Solanki A. Prone Position Thoraco Laparoscopic Oesophagectomy: Prospective cohort study. *European Journal of Surgical Oncology*, Volume 50, Issue 2, 107855 (Abstract)
3. Warriar A, Poonia DR, Vishnoi JR, Sharma N, Sureka B, Mathad A. Predictive role of sarcopenia and other clinicopathological parameters in perioperative outcomes and quality of life in patients with ovarian cancer: A prospective cohort study. *European Journal of Surgical Oncology*, Volume 50, Issue 2, 107878 (Abstract)
4. Kamatham A, Vishnoi JR, Poonia DR, Sharma N, Kar M. Effect of fluorescent imaging using indocyanine green on surgical morbidity during minimally invasive surgery for esophageal cancer (IndoCinMIE). *J Clin Oncol*, Vol 42, 16\_suppl, e16115-e16115.

**Name of Faculty: Dr. Jeewan Ram Vishnoi**

**Designation: Additional Professor & Head**

**Papers Presented:**

1. Vishnoi JR, Mohit, Sharma N, Poonia DR, Sasidhar A, Sharma N, Poonia DR, Gulhane A, Misra S. Is reconstruction with the submental flap feasible, oncologically sound, and cosmetically acceptable in a resource-limited context? A newly established tertiary cancer care experience. 7<sup>th</sup> World Congress of the International Federation of Head and Neck Oncologic Societies, 21<sup>st</sup>-25<sup>th</sup> June 2023, Rome, Italy.
2. Vishnoi JR, Mohit, Sharma N, Poonia DR, Sasidhar A, Sharma N, Poonia DR, Gulhane A, Misra S. Relevance and Clinical Outcome of Pectoralis Major Myocutaneous Flap in Locally Advanced Head and Neck Reconstructive Surgery in Developing World: An Institutional Experience. 7<sup>th</sup> World Congress of the International Federation of Head and Neck Oncologic Societies, 21<sup>st</sup>-25<sup>th</sup> June 2023, Rome, Italy.

**Sessions Chaired**

1. Management of upper GI Cancers. 3<sup>rd</sup> Indian Cancer Congress held in Mumbai from 2<sup>nd</sup> to 5<sup>th</sup> November 2023.
2. Sarcoma session. 3<sup>rd</sup> Indian Cancer Congress held in Mumbai from 2<sup>nd</sup> to 5<sup>th</sup> November 2023.

**Invited Lectures:**

1. Invited as Faculty for Panel Discussion on “NET Pancreas” at the 3<sup>rd</sup> Indian Cancer Congress held in Mumbai from 2<sup>nd</sup> to 5<sup>th</sup> November 2023.
2. Invited as Faculty for Panel Discussion on “LABC – Real-world Case-based scenarios” at the 11<sup>th</sup> Annual Congress of the Association of Breast Surgeons of India (ABSI) held in Patna Ahmedabad from 28<sup>th</sup> and 30<sup>th</sup> July 2023.
3. Invited as Faculty for Panel Discussion on “Management and prognosis of locally advanced breast cancer” at the 5<sup>th</sup> Annual National Multidisciplinary Conference of Association for Medical Updates (AMUCON) held in Udaipur from 6<sup>th</sup> to 8<sup>th</sup> October 2023.
4. Totally Robotic McKeown Esophagectomy, Gastric Pull-up & Feeding Jejunostomy (Step by step approach with HD Video), 5<sup>th</sup> Annual National Multidisciplinary Conference of Association for Medical Updates (AMUCON) held in Udaipur from 6<sup>th</sup> to 8<sup>th</sup> October 2023.
3. Invited as Faculty for Panel Discussion on “Parasites with oncogenic potential and their management” at the TROPACON held in Jodhpur from 26<sup>th</sup> to 29<sup>th</sup> October 2023.

**Resource Faculty:**

1. Assisted the Medical Assessment and Rating Board (MARB) of the National Medical Commission (NMC) to begin MCh Surgical Oncology Courses in various Medical Colleges
2. Thesis evaluation for MCh Surgical Oncology for the Institute of the National Importance (INIs).
3. Operating Surgeon, “Extremity sarcoma surgery” Live Interstitial Brachytherapy Workshop, 10<sup>th</sup> Young Radiation Oncologists, 19-21 January 2024, AIIMS, Jodhpur.
4. Oral paper and poster evaluation Judge, 3<sup>rd</sup> Indian Cancer Congress 2023, 2-5 November 2023, Jio World Convention Centre, Mumbai.

**Research Projects:****Ongoing:****As Principal Investigator**

1. A Clinical Applicability Study of the Tumour Specific Electroporation Technique for patients with locally advanced or recurrent Head & Neck cancer using IQwave 3.0 CE. Indo-Sweden Healthcare Innovation Center
2. PENgUIN Trial: Perioperative respiratory care and outcomes for patients undergoing high risk abdominal surgery (PENgUIN Trial). The University of Birmingham, UK Cristian Medical College, Ludhiana
3. NAGA Trial: Neoadjuvant chemotherapy followed by Surgery versus Surgery followed by adjuvant chemotherapy for resectable gastric cancer adenocarcinoma- Phase 3 Multicentric Randomized controlled trial. DHR Grant-In-Aid GIA Scheme, JIPMER

**As Co-Principal Investigator:**

2. DIAMOnDS Project: Establishment of DHR-ICMR Advanced Molecular Oncology Diagnostic Services (DIAMOnDS)
3. Quality of life, physical and mental well-being with Yoga therapy in Head and Neck cancer patients managed with surgery first as curative intent treatment: A Randomized Controlled Trial, Conquer Cancer
4. Protein expression analysis using Immunohistochemistry in the borderline resectable oral squamous cell carcinoma treated with induction chemotherapy: Exploratory longitudinal study
5. Performance of sentinel lymph node biopsy using Targeted Axillary Dissection (TAD) with intraoperative radiological guidance in post-chemotherapy breast cancer patients: A pilot study (Funded- Intramural Grant)
6. Non-Clinical Factors affecting patient's choice of Mastectomy over Breast Conservation Surgery in Carcinoma Breast: A cohort study from North-Western India (Non-Funded)
7. A case control study analysing Tumour Microenvironment and Peripheral Blood Exhausted T-Cell Population in Association with Galectin-9 and Growth Differentiation Factor-15 in Breast Cancer, ICMR Adhoc.Scheme, Nil

**Completed:****As Principal Investigator**

1. An International, cluster randomized sequence of a 'safe-anastomosis' Quality Improvement Intervention to reduce anastomotic leak following right colectomy and ileocecal resection (EAGLE safe anastomosis study). [Extramural] , NIHR Global Research Health Unit on Global Surgery.
2. A Retrospective Multicenter Real-World Evidence Study of Open, Laparoscopic and Robotic-assisted Rectal Resections for Rectal cancer. (Extramural: Intuitive Surgical)

**As Co-Investigator**

1. Outcome-based healthcare and patient support in Oncology by AIIMS Jodhpur in collaboration with India- Sweden Centre of Excellence in Oncology. Indo-Sweden Healthcare Innovation Center.

**Examinership:**

1. Internal Examiner for AIIMS Jodhpur M.Ch. Exam. Jan 2021 & July 2021 Batch.

2. External subject expert for MCh Surgical Oncology thesis evaluation for AIIMS New Delhi, AIIMS Bhubaneswar, AIIMS Patna, King George's Medical University, Lucknow.

**Membership/Post in Journal or Society or Association**

1. International Member, Society of Surgical Oncology (USA), 2023
2. International Member, European Society of Surgical Oncology (ESSO), 2023
3. International Member, European Society of Medical Oncology (ESMO), 2023
4. Member, Editorial Board, Cancer Treatment and Research Communications (an Elsevier's Oncology Journal).

**National/ International Conferences attended:**

1. 7<sup>th</sup> World Congress of the International Federation of Head and Neck Oncologic Societies, 21<sup>st</sup>-25<sup>th</sup> June 2023, Rome, Italy.
2. 3<sup>rd</sup> Indian Cancer Congress held in Mumbai from 2<sup>nd</sup> to 5<sup>th</sup> November 2023.
3. 11<sup>th</sup> Annual Congress of the Association of Breast Surgeons of India (ABSI) held in Patna Ahmedabad from 28<sup>th</sup> and 30<sup>th</sup> July 2023.
4. 5<sup>th</sup> Annual National Multidisciplinary Conference of Association for Medical Updates (AMUCON) held in Udaipur from 6<sup>th</sup> to 8<sup>th</sup> October 2023.
5. TROPACON held in Jodhpur from 26<sup>th</sup> to 29<sup>th</sup> October 2023.

**Name of Faculty: Dr. Dharma Ram Poonia**

**Designation: Associate Professor**

**Papers Presented:**

- 1 Dharma Poonia, Amit Sehwat, Nivedita Sharma, Madhabanda Kar, Puneet Pareek, Bharti Devnani, Akanksha Solanki, Divya Aggarwal, Taruna Yadav, Poonam Elhence, Pp Sharma, Pankaj Garg, Rohit Mahajen, Ashish Jakhetiya, Vijay Kumar, Muduly Dillip. Upfront Surgery Vs Induction Chemotherapy Followed By Surgery In Oral Cavity Squamous Cell Cancers With Advanced Nodal Disease (SurVIC Trial): A Phase 3 Multicentric Randomized Controlled Trial. European Journal of Surgical Oncology, Volume 50, Issue 2, 107923 (Abstract)
- 2 Dharma Poonia, Jeewan Vishnoi, Nivedita Sharma, Aparna Warriar, Madhabananda Kar, Puneet Pareek, Parmod Kumar, Bharti Devnani, Akanksha Solanki. Prone Position Thoraco Laparoscopic Oesophagectomy: Prospective cohort study. European Journal of Surgical Oncology, Volume 50, Issue 2, 107855 (Abstract)

**Invited lectures:**

1. Rahabitation: Stoma; 3<sup>rd</sup> Indian Cancer Congress 2023, 2-5 November 2023, Jio World Convention Centre, Mumbai.
2. Parotid Cancer; 20-24 November 2023; FHNO, Daman
3. Role of Surgeon in Brachytherapy; 10<sup>th</sup> Young Radiation Oncologists, 19-21 January 2024, AIIMS, Jodhpur.

**Symposium speaker:**

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1. (Moderator): Moderation of Live Surgery- MIS Esophagectomy; FALS 2023 JIPMER, Pondicherry
2. (Panelist): Management of Oropharyngeal Cancer; March 2024, RGCON New Delhi

#### **Resource Faculty:**

1. Live Interstitial Brachytherapy Workshop, 10<sup>th</sup> Young Radiation Oncologists, 19-21 January 2024, AIIMS, Jodhpur.
2. Quiz Master: 3<sup>rd</sup> Indian Cancer Congress 2023, 2-5 November 2023, Jio World Convention Centre, Mumbai.

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

1. Quality of life, physical and mental well-being with Yoga Therapy in Head and Neck cancer patients managed with surgery first as a curative intent treatment: A Randomized Controlled Trial [Funded- Extramural]
2. Protein expression analysis using Immunohistochemistry in the border line resectable oral squamous cell carcinoma treated with induction chemotherapy: Exploratory longitudinal study [Funded- Intramural]
3. Neoadjuvant chemotherapy followed by surgery versus surgery followed by adjuvant chemotherapy for gastric adenocarcinoma- phase 3 multicentric randomized controlled trial (NAGA) [Funded- Extramural]

##### **As Co-Investigator**

1. Preoperative respiratory care and outcomes for patients undergoing high risk abdominal surgery (PENGUIN) - an international trial by the NIHR global health research unit on Global Surgery [Funded-Extramural]
2. A Clinical Applicability Study of the Tumour Specific Electroporation Technique for patients with locally advanced or recurrent Head & Neck cancer using IQwave 3.0 CE [Funded- Extramural]
3. Performance of sentinel lymph node biopsy using Targeted Axillary Dissection (TAD) with intraoperative radiological guidance in post-chemotherapy breast cancer patients: A pilot study (Funded- Intramural)
4. High dose rate interstitial brachytherapy as monotherapy for extremities soft tissue sarcoma: A prospective study. [Non Funded- Intramural]
5. Non-Clinical Factors affecting patient's choice of Mastectomy over Breast Conservation Surgery in Carcinoma Breast: A cohort study from North-Western India (Non-Funded)
6. Pectoralis major myocutaneous flap in female patients of head and neck tumors: a retrospective Study [Non Funded- Intramural]

##### **Completed:**

##### **As Co-Investigator:**

1. An International, cluster randomized sequence of a 'safe-anastomosis' Quality Improvement Intervention to reduce anastomotic leak following right colectomy and ileocecal resection (EAGLE safe anastomosis study). [Extramural] , NIHR Global Research Health Unit on Global Surgery.

**National/ International Conferences attended:**

1. European Society of Surgical Oncology (ESSO) 2023; Florence Italy, 25-27 October 2023
2. 3<sup>rd</sup> Indian Cancer Congress 2023 jointly organised by IASO, ISO, ISMPO & AROI, Mumbai, 2<sup>nd</sup>-5<sup>th</sup> November 2023
3. 10<sup>th</sup> Young Radiation Oncologists Conference organized by Indian Association of Radiation Oncologists of India, AIIMS Jodhpur, 19-21 January 2024
4. Rajiv Gandhi Cancer Institute & Research Conference (RGCON) 2024, New Delhi, 15<sup>th</sup>-17<sup>th</sup> March 2024

**Name of Faculty: Dr Nivedita Sharma****Designation: Assistant Professor****Papers Presented:**

1. **Dr Nivedita Sharma**, Dr Jeewan Ram Vishnoi, Dr Rajendra Byshtetty, Dr Dharma Ram Poonia, Dr Arvind S Koslia, Dr Sanjeev Misra. Sentinel Lymph Node Biopsy in Post Neoadjuvant Chemotherapy Breast Cancer Patients Using Combination of Fluorescein and Blue Dye versus Blue Dye Alone - a Randomized Controlled Trial. ABSICON 2023, 28-30 July 2023, Hotel Narayana Heights, Ahmedabad. **(Best Oral Paper)**
2. **Dr Nivedita Sharma**, Dr Jeewan Ram Vishnoi, Dr Dharma Ram Poonia, Dr Aparna Warriar, Dr Ananth S Mathad, Dr Madhbananda Kar. Utilising Oncoplastic Principles To Harvest Pectoralis Major Myocutaneous (PMMC) Flap In Females: Preserving Aesthetics At Two Sites. 3<sup>rd</sup> ICC 2023, 2-5<sup>th</sup> Nov 2023, Jio World Convention Centre, Mumbai (Oral)
3. **Dr Nivedita Sharma**. Modified technique of harvesting Pectoralis Major Myocutaneous (PMMC) Flap in females preserving breast aesthetics. 3<sup>rd</sup> ICC 2023, 2-5<sup>th</sup> Nov 2023, Jio World Convention Centre, Mumbai (Video)

**Sessions Chaired:**

1. (Panelist): Management of oligometastatic breast cancer, ABSICON 2023 (11<sup>th</sup> Annual conference of association of breast surgeons of India), 28<sup>th</sup> -30<sup>th</sup> July 2023, Hotel Narayana Heights, Ahmedabad.
2. (Panelist): Endometrial Cancer, 3<sup>rd</sup> Indian Cancer Congress 2023, 2<sup>nd</sup>-5<sup>th</sup> November 2023, Jio World Convention Centre, Mumbai.
3. (Panelist): Localised Breast Cancer, AIG Cancer Summit, 20<sup>th</sup> -21<sup>st</sup> January 2024, AIG Hospital, Hyderabad.
4. (Panelist): Ablative Radiotherapy in Head and Neck Cancers, 10<sup>th</sup> Young Radiation Oncologists, 19-21 January 2024, AIIMS, Jodhpur.

**Symposium Speaker**

1. Difficult Clinical Scenario- How I managed it?, Gastric Cancer Conference 2023, 19<sup>th</sup> -20<sup>th</sup> August 2023, Hotel SP Grand days, Trivandrum, Kerala

**Resource Faculty:**

1. Operating Surgeon, "Breast Conservation Surgery and Brachytherapy" Live Interstitial Brachytherapy Workshop, 10<sup>th</sup> Young Radiation Oncologists, 19-21 January 2024, AIIMS, Jodhpur.

2. Quiz Master-Colorectal Quiz. BMCON CO-RE organized by The association of Colon & Rectal Surgeons of India, 27<sup>th</sup> -28<sup>th</sup> January 2024, Rajasthan Convention Centre, Jaipur

### **Research Project:**

#### **Ongoing:**

##### **As Principal Investigator**

1. Performance of sentinel lymph node biopsy using Targeted Axillary Dissection (TAD) with intraoperative radiological guidance in post-chemotherapy breast cancer patients: A pilot study (Funded- Intramural Grant)
2. Non-Clinical Factors affecting patient's choice of Mastectomy over Breast Conservation Surgery in Carcinoma Breast: A cohort study from North-Western India (Non-Funded)
3. Pectoralis major myocutaneous flap in female patients of head and neck tumors: a retrospective Study (Non-Funded)

##### **As Co-Investigator-**

1. Preoperative respiratory care and outcomes for patients undergoing high risk abdominal surgery (PENGUIN) - an international trial by the NIHR global health research unit on Global Surgery [Funded-Extramural]
2. Neoadjuvant chemotherapy followed by surgery versus surgery followed by adjuvant chemotherapy for gastric adenocarcinoma- phase 3 multicentric randomized controlled trial (NAGA) [Funded-Extramural]
3. A Clinical Applicability Study of the Tumour Specific Electroporation Technique for patients with locally advanced or recurrent Head & Neck cancer using IQwave 3.0 CE [Funded- Extramural]
4. Quality of life, physical and mental well-being with Yoga Therapy in Head and Neck cancer patients managed with surgery first as a curative intent treatment: A Randomized Controlled Trial [Funded-Extramural]
5. Protein expression analysis using Immunohistochemistry in the border line resectable oral squamous cell carcinoma treated with induction chemotherapy: Exploratory longitudinal study [Funded-Intramural]
6. Exploring the branched-chain amino acids (BCAA) metabolism pathway genes in breast cancer: A case control study [Funded- Intramural]
7. High dose rate Interstitial brachytherapy as monotherapy for extremities soft tissue sarcoma: A prospective study. [Intramural]
8. Multi-catheter interstitial brachytherapy for breast carcinoma- An initial institutional experience. [Non-funded]
9. Outcome and late radiation toxicities of definitive chemo-radiotherapy and high dose rate brachytherapy in carcinoma cervix- A retrospective study.

#### **Completed:**

##### **As Co-Investigator**

1. An International, cluster randomized sequence of a 'safe-anastomosis' Quality Improvement Intervention to reduce anastomotic leak following right colectomy and ileocecal resection (EAGLE safe anastomosis study). [Extramural] , NIHR Global Research Health Unit on Global Surgery.

##### **Scientific Awards/Patents**

1. **Won Best Oral Paper Award at ABSICON 2023** (11<sup>th</sup> Annual conference of association of breast surgeons of India) for paper titled "Sentinel Lymph Node Biopsy in Post Neoadjuvant Chemotherapy

Breast Cancer Patients Using Combination of Fluorescein and Blue Dye versus Blue Dye Alone - a Randomized Controlled Trial” held at Ahmadabad from 28<sup>th</sup> -30<sup>th</sup> July 2023

#### **Membership/Post in Journal or Society or Association**

2. Associate Fellow, American College of Surgeons
3. FMAS (Fellow), The Association of Minimal Access Surgeons of India
4. Member, Indian Society of Peritoneal Surface Malignancies

#### **National/ International Conferences attended:**

2. ABSICON 2023 (11<sup>th</sup> Annual conference of association of breast surgeons of India), Ahmedabad, 28<sup>th</sup> -30<sup>th</sup> July 2023.
3. Gastric Cancer Conference 2023 organized by Kerala Association of Surgical Oncology held at Trivandrum, Kerala, 19<sup>th</sup> -20<sup>th</sup> August 2023.
4. 3<sup>rd</sup> Indian Cancer Congress 2023 jointly organised by IASO, ISO, ISMPO & AROI, Mumbai, 2<sup>nd</sup>-5<sup>th</sup> November 2023
5. AIG Cancer Summit organized by AIG Institute of Oncology, Hyderabad, 20<sup>th</sup> -21<sup>st</sup> January 2024
6. 10<sup>th</sup> Young Radiation Oncologists Conference organized by Indian Association of Radiation Oncologists of India, AIIMS Jodhpur, 19-21 January 2024
7. BMCON CO-RE organised by The association of Colon & Rectal Surgeons of India, Jaipur, 27<sup>th</sup> -28<sup>th</sup> January 2024.

#### **Workshops/ Conferences Organized**

##### **1. Oncology Symposium and Live Hands-on Workshop, Department of Surgical Oncology, AIIMS Jodhpur, 16<sup>th</sup>-17<sup>th</sup> February 2024.**

The Department of Surgical Oncology organized an Oncology Symposium on “D2 Gastrectomy” and a live hands-on workshop on hepatobiliary anastomosis from February 16-17, 2024. The event was enthusiastically attended by MCh and MS residents from the departments of Surgical Oncology, Surgical Gastroenterology, and General Surgery. Prof. Shailesh Shrikhande, Professor and Head of the Division of Cancer Surgery and Chief of Gastrointestinal and Hepatobiliary Services at Tata Memorial Centre, Mumbai, was invited as the distinguished faculty.

On February 16, 2024, Dr. Shrikhande delivered an insightful talk on “D2 Gastrectomy,” highlighting the importance of each step during surgery and how standardizing surgical procedures aids in resident training. This was followed by a panel discussion on “Gastric Cancer,” moderated by Dr. Jeewan Ram Vishnoi, with panelists including Dr. Shailesh Shrikhande, Dr. Madhabananda Kar, Dr. Ram Karan Chaudhary, Dr. Vaibhav Varsheney, Dr. Dharma Ram Poonia, and Dr. Virendra Rajpurohit.

On February 17<sup>th</sup>, Dr. Shailesh Shrikhande delivered an enlightening talk on “Pancreaticoduodenectomy,” equipping residents with invaluable skills and techniques. This was followed by a hands-on workshop focusing on hepatobiliary anastomosis performed during the Whipple procedure, including pancreatojejunal, hepatojejunal, and gastrojejunal anastomoses. Over 25 residents participated, working at six stations. Prof. Shrikhande demonstrated the various anastomosis techniques on porcine gut, which the residents then replicated at their stations under the direct guidance of Prof. Shrikhande and faculty members from the departments of Surgical Oncology, Surgical Gastroenterology, and General Surgery. It was an exceptional learning experience for all involved.



Hands-on-workshop: Senior workshop faculty, Prof Shailesh V. Shrikhande demonstrating the technique of pancreatojejunostomy



Oncology Symposium: Panel Discussion in progress



Trainer and Trainees Together: End of Hands-on Session

## Department of Transfusion Medicine

S. No.	Name	Designation
1	Dr. Mahendra Kumar Garg	Professor & Officiating Head
2	Dr. Archana Bajpayee	Additional Professor
3	Dr. Saptarshi Mandal	Additional Professor
4	Dr. Anubhav Gupta	Assistant Professor
5	Dr. Siddharth Mittal	Assistant Professor

### About the Department

**The Department of Transfusion Medicine** completed its 11<sup>th</sup> year since inception and has actively been serving the patients of Jodhpur and surrounding districts. The department has a team of 2 Additional Professors, 2 Assistant Professors, 1 Academic Senior Resident (PDF), 3 Non-Academic Senior Residents, 6 Academic Junior Residents and 1 Non-Academic Junior Residents, with Prof. (Dr.) MK Garg, Dept of Medicine as the Officiating Head.

The Department provides a gamut of transfusion services including patient blood management, Immunohematology workup, complete apheresis treatment modalities and autologous cellular products like PRF, and PRP apart from the basic functioning of provision of standard blood components to AIIMS and other hospitals in Jodhpur and nearby districts. The Department has also been instrumental in long distance shipping of Bombay Blood eg sent to JIPMER on request in Dec 2023.

**Blood Donations:** A total of 11,939 donors were screened this year, of which 10920 successfully donated. A total of 46 voluntary blood donation camps were organized

**Transfusion transmitted Infection screening:** The collected units were tested for HIV, HBV and HCV using ELISA, and for syphilis (RPR) and malaria (Rapid Card). Positive donors were called for counselling, referral & follow up. Chemiluminescence immunoassay has replaced Elisa for TTI Testing of Blood Components to enhance blood safety since March 2023.

**Component Preparation:** From the beginning the blood center has tried to maintain 100% components policy. During this year 30,436 components were made: Packed red Blood Cells (PRBC) 10,782, Fresh Frozen Plasma (FFP) 9443, Random Donor Platelet (RDP) 7494, Single donor Apheresis Platelet (SDAP) 39, Cryoprecipitate (CRYO) 1339, and Cryo-Poor Plasma (CPP) 1339. For pediatric and other needy patients unit modifications e.g. split units, Leukofiltered units, reconstituted whole blood for exchange transfusion etc. have been made on these units prior to issuing as on demand basis. Irradiated blood components were made available to patients at risk for transfusion associated Graft versus Host disease like patients of aplastic anemia on chemotherapy, immunocompromised patients, premature infants, neonatal exchange transfusions etc.

**Issue of Components:** During this financial year, 25,965 components were issued including 10,685 PRBCs, 6466 FFP, 7198 RDP, 39 SDAPs, 375 Cryo-poor plasma (CPP) and 1202 CRYO (Cryoprecipitate).

**Apheresis:** The department has been engaged in doing all apheresis procedures totaling 319 TPE, and erythrocyte apheresis (Red Cell Exchange), granulocyte apheresis, leucocyte apheresis, LDL apheresis, plasma apheresis and platelet apheresis.

**Therapeutic Phlebotomy:** During these 12 months this important modality of treatment has been performed on 85 occasions.

**Platelet rich Plasma/fibrin (PRP/PRF):** During this year, as a therapeutic service, the blood center prepared injectable autologous PRP/PRF/CGF for over 500 procedures for the departments of Orthopedics, Physical medicine & rehabilitation, Dermatology & Dentistry.

**Immunohematology (IH):** The Blood Centre has been providing regular immunohematology (31,881 patient blood grouping, 14,973 cross-matches, 1389 Direct Coombs tests, 10936 Indirect Coombs tests, 70 Antibody screen, 37 antibody identifications and 51 Rh antibody titres). Complete IH workup facility for chronically transfused patients and transplant recipients is available in the department.

#### **Academic activities:**

PG courses taught by the Department includes MD Transfusion Medicine, PDF Component Therapy and Apheresis, Medical Technology integrated PhD with IITJ, and Med tech direct PhD with IITJ. Dept faculty also take part in UG teaching (MBBS, BSc Nursing, BSc Medical Laboratory technology etc).

#### **Compiled list of Publications of the department**

##### **Papers**

##### **PubMed indexed:**

1. Bava D, **Gupta A, Mandal S, Bajpayee A**, Didel S. Does severe anemia necessitate red cell transfusion before therapeutic leukocytapheresis in patients with hyperleukocytosis and suspected tumor lysis syndrome? Addressing a transfusion decision dilemma. *Asian Journal of Transfusion Science*, February 06, 2024. DOI: 10.4103/ajts.ajts\_94\_23
2. Bava, Davood; Akhilesh, Kumar P. H.; **Gupta, Anubhav; Mandal, Saptarshi; Bajpayee, Archana**; Gopalakrishnan, Maya; Khan, Md Atik. Redefining the role of therapeutic plasma exchange in complications of *Echis carinatus* sochureki envenomation refractory to anti-snake venom: A case series. *Asian Journal of Transfusion Science (AJTS)* 17(2):p 295-300, Jul–Dec 2023. DOI: 10.4103/ajts.ajts\_49\_22.
3. Anne PB, **Gupta A**, Misra S, Sharma SK, Garg MK, Bajpayee A, Bundas S, Bohra M, Asirvatham V. Economic Evaluation of Nucleic Acid Testing for Screening of Blood Donations for Thalassemia Patients (ECONAT) in Western India. *Indian Journal of Hematology and Blood Transfusion*. 2023 Apr;39(2):317-24.
4. Chakrabarti, Uttayan, Manish Chaturvedy, Bhoobalan Sabari, Rajesh Jhorawat, Aasma Nalwa, **Archana Bajpayee**, Tapabrata Das, Abhilasha Soni, Nitin Kumar Bajpai, and Usha Rani. "Plasmodium Vivax Malaria Presenting as TMA and Acute Cortical Necrosis: A Case Series." *Indian Journal of Nephrology* 34, no. 2 (2024): 165–68. doi:10.4103/ijn.ijn\_206\_23
5. Consensus report on markers to distinguish procoagulant platelets from apoptotic platelets: Communication from the Scientific and Standardization Committee of the ISTH. *Journal of Thrombosis and Haemostasis*. 2023 Aug 1;21(8):2291-9. COAGApO Study group (Emma C Josefsson, Sofia Ramström, Johannes Thaler, Marie Lordkipanidzé, Ejaife O Agbani, Lorenzo Alberio, Tamam Bakchoul, Beth A Bouchard, Marina Camera, Vivien Chen, Fabrice Cognasse, Judith MEM Cosemans, Rutvi G Dave, Frederik Denorme, Dorothee Faille, Alison H Goodall, Matthew T Harper, Johan Heemskerk, Shawn M Jobe, Lacey Johnson, Andaleb Kholmukhamedov, **Saptarshi Mandal**, Meganathan Kannan, Diego Mezzano, Nicola Mutch, Margaret L Rand, Yana Roka-Moia, Claudia Tersteeg, Kimberly A Thomas, Dina Vara, Yuping Yuan). doi: [10.1016/j.jtha.2023.05.001](https://doi.org/10.1016/j.jtha.2023.05.001)

6. Abiha, Umme, Dip Sankar Banerjee, and Saptarshi Mandal. "Demystifying Non-Invasive Approaches for Screening Jaundice in Low Resource Settings: A Review." *Frontiers in Pediatrics* 11 (2023). doi: 10.3389/fped.2023.1292678.
7. Munde, Kishor, Sumit Banerjee, Nitesh Gahlot, Abhay Elhence, **Saptarshi Mandal**, and Taruna Yadav. "Effect of Platelet-Rich Plasma on Healing of Autologous Graft after Anterior Cruciate Ligament Reconstruction: A Randomized Control Trial." *Regenerative Medicine* 18, no. 8 (August 2023): 601–10. doi: 10.2217/rme-2023-0108.
8. Budania A, **Mandal S**, Agrawal A, Lahoria U, Pathania YS. A split scalp study to evaluate the effects of platelet rich plasma prepared by two different methods in androgenetic alopecia. *Australasian Journal of Dermatology*. 2023 May;64(2):278-81. doi: 10.1111/ajd.14030
9. Bava, Davood, Vasanth Asirvatham, **Saptarshi Mandal**, Amit Kumar Rohilla, and **Siddharth Mittal**. "Detection of Red Cell Alloantibody Prior to Overflow Phenomenon in a Case of Warm AIHA Secondary to Chronic Lymphocytic Leukemia and Myasthenia Gravis: A Case Report." *Transfusion Clinique Et Biologique: Septembre 7, 2023, S1246-7820(23)00102-7*. doi: 10.1016/j.tracli.2023.09.001.
10. **Mittal S**, Muthukumaravel PJ, Tripathi PP, **Gupta A**, **Mandal S**, Sharma SK, et al. Promoting and creating feel-good positive experience among voluntary blood donors: An eight-step guide. *Asian J Transfus Sci* 2024, doi: 10.4103/ajts.ajts\_225\_23.
11. **Gupta A**, Jain R. Is minimizing iatrogenic blood loss the next frontier in transfusion medicine?. *Transfusion and Apheresis Science*. 2024 Jun 1;63(3). doi: 10.1016/j.transci.2024.103901
12. Asirvatham V, **Gupta A**, Bava D, Tripathi PP, **Mittal S**. Challenges in organising blood donation camps at remote military base and its impact on blood component quality: A unique helicopter-based whole blood transport experience. *Transfus Apher Sci*. 2024; Aug: 63(4):103955. doi: 10.1016/j.transci.2024.103955. Epub ahead of print. PMID: 38838567.

#### Non-Pubmed Indexed:

1. Soni, Abhilasha, **Archana Bajpayee**, M. Chaturvedy, Rajesh Jhorawat, and N. Bajpai. "Pregnancy-Related Acute Kidney Injury: A Narrative Review." *Journal of Indira Gandhi Institute Of Medical Sciences*, 2023.

**Name of faculty: Dr. Archana Bajpayee**

**Designation: Additional Professor**

#### Papers presented:

1. Paper "Inappropriate Blood Transfusions in India is a significant hazard for climate change and menace for Agroecosystem" in International conference on "Climate Change and Agroecosystems: Threats, Opportunities and solutions" (INGAMET-2024), 8-10 February, 2024.
2. "Environmental Benefits of Patient Blood Management Implementation" 48th Annual National conference of the Indian society of Blood Transfusion and Immunohematology (ISBTI) TRANSCON 2023" at Lucknow from 06th to 09th october, 2023.

#### Resource Faculty:

1. Invited as subject expert in selection Committee meeting on 04 Jan 2024 for Selection of SR/PDF for the Department of Transfusion Medicine at AIIMS, Bhubaneswar.



2. Invited as a subject expert in standing selection committee meeting for selection of Group A faculty in AIIMS, Guwahati held on 1/12/2023.
3. Invited as a Subject Expert in Board of Studies (BOS) for starting Post Graduate Medical Course (MD/MS/MDS) in the subject Immuno Haematology and blood Transfusion (Transfusion Medicine) at AIIMS, Mangalagiri.
4. Invited as an External examiner for conducting Practical examination on 20th march 2024 in Fellowship in Patient Blood Management in Oncology at MPMMMC, Varanasi.
5. Guest lecture on 20th March'24 "Patient Blood Management Implementation - From Reel to Real" at Homi Bhabha Cancer Hospital, Varanasi
6. Appointed as Transfusion Medicine subject expert in a joint collaborative exercise between the Department of Health Research (DHR)/Indian Council of Medical Research (ICMR) and National Medical Commission (NMC), New Delhi for identification of MD/MS thesis topics in Transfusion Medicine.

#### **Research Project:**

#### **Ongoing:**

#### **As Principal Investigator:**

1. Research study on Patient Blood Management in Rajasthan State

#### **As Co-Investigator:**

1. A quantitative assessment of changes in Inflammatory cytokines in patients undergoing cardiac surgeries with allogenic and autologous blood transfusion".

#### **Name of faculty: Dr. Saptarshi Mandal**

#### **Designation: Additional Professor**

#### **Books/Chapters**

1. Harrold, Ian M, and Saptarshi Mandal. "Chapter 1: Basic Science". In *Principles of Apheresis Technology - and the New Companion Apheresis Study Guide*, 8th edition, Yanyun Wu and Jay Raval (Editors). Vancouver, American Society for Apheresis (ASFA), 2024.

#### **Papers presented:**

1. Saptarshi Mandal, Atik Md. Khan, Pradeep Banerjee, Aliza Mittal, Daisy Khera. "Lessons Learned from 18 Rounds of Therapeutic Plasma Exchange in a small for age (8 Kg at 2 Year) Pediatric Patient presenting with Atypical Hemolytic Uremic Syndrome of Unknown Etiology" Poster presented at the American Society for Apheresis ASFA 2023 Annual Meeting, Minneapolis, MN, USA, April 26-28, 2023
2. S. Mandal, A. Nair, R. Bansal, A. Khan, R. Mishra, "Repurposing NESTROFT/Pink Reagents by Optical Microplate Standardization for Optimal Differential Lysis Phenotyping of Transfused Thalassemia & Simulation Mixes" Poster at AABB Annual Meeting, October 2023, Nashville, TN, USA

#### **Sessions Chaired:**

1. Chair, Sessions on Apheresis: 3rd Annual Pediatric Kidney meet - An IPNA endorsed AIIMS Jodhpur

Pediatric Nephrology, LT2, AIIMS Jodhpur

2. Chair, Sessions on HPLC and Flowcytometry: Workshop for Technologists: 6th Hematology update, 10<sup>th</sup> -11<sup>th</sup> February 2024, AIIMS Jodhpur

### **Invited Lectures**

1. Speaker for online talk "Therapeutic phlebotomy: myths vs reality" at TMAS (Transfusion Medicine Academics Society) invited Webinar, chaired by Dr C. Shivaram Chandrashekhar, on 28th Sep 2023.

### **Symposium Speaker**

1. Speaker and Moderator for two sessions of 1 hr single speaker CE talks at Association for Diagnostic and Laboratory Medicine (ADLM), annual meeting and lab expo at Anaheim, CA, USA, July 23 – 27, 2023, summary and learning objectives published in AACC/ADLM Scientific Meeting Brochure:
  - a. Mandal S: Diagnostic Blood Loss: Why It Is of Concern and How to Minimize It from the ICU and from the Laboratory
  - b. Mandal S. How Blood Tests are Affected by Transfusion or Apheresis
2. Speaker and Co-Moderator at American Society for Apheresis (ASFA) Annual Meeting April 26-28 2023, Minneapolis Minnesota USA: "Apheresis treatment for oncology diseases in the world", Speakers: Hans Vrieling, MD (Europe), Volker Witt, MD (Europe), Jed Gorlin, MD (US), Saptarshi Mandal, MD (Asia) on behalf of ASFA International Affairs Committee (IAC).
3. Speaker at Transmedcon 2023 Annual national Conference of ISTM (Indian Society for Transfusion Medicine) on: "Immunoadsorption-Practical aspects, indications and challenges", Chandigarh, 2-5 Nov 2023.

### **Resource Faculty:**

1. ISTM (Indian Society for Transfusion Medicine) pre-conference workshop on apheresis, Chandigarh, 2-5 Nov 2023, also selected as organizing secretary for National Transmedcon 2025.

### **Research Project:**

#### **Ongoing:**

#### **As Principal Investigator**

1. Extramural Research (DST) Biomedical Device and Technology Development (BDTD) project "Development of a Blood Bag agitation and ambience control apparatus for improved storage quality and shelf life of banked PRBC" in Collaboration with IIT Jodhpur and Burdwan University.
2. Faculty Mentor for ICMR STS 2023 Project: "Effects of sample exposure to combinations of environmental-factors on neonatal hyperbilirubinemia testing by diazo-method and spectrophotometry, after validating sample-handling and dilution with adult high-bilirubin samples."

#### **As Co-Investigator**

1. Co-Principal Investigator for ICMR Extramural Project ID, Sanctioned Budget 21 Lakh "Forecasting COVID-19 Spatio-Temporal disease spread patterns and establishing predictive factors through the analysis of large data inconclusive/repeat tests and associated testing data." (Ongoing)

2. Role of regulatory T-cells (Tregs) monitoring with Complement-dependent cytotoxicity and Flowcytometric crossmatch in ABO-compatible renal transplant recipients: A prospective cross-sectional study.
3. Assessing the Prevalence of Platelet Alloimmunization in Haemato-Oncology Patients

### Scientific Awards/Patents

1. Certificate of Excellence on 1st research day at AIIMS Jodhpur in recognition of exceptional guidance for 5 ICMR National PG Thesis Awards.
2. ICMR STS award project id 2023-14494 (4<sup>th</sup> STS award as mentor).
3. ICMR National MD thesis awarded (awarded to only 50 across the country and across all specialty and super-specialty), 5<sup>th</sup> consecutive MD student, completed thesis.

### Examinership

1. Internal Examiner for MD Transfusion Medicine, AIIMS Jodhpur, June 2023, Dec 20203.
2. Subject Expert for selection of Transfusion Medicine Medical Officer at AIIMS Guwahati.
3. Subject Expert for selection of SR, and PDF Candidates for AIIMS Jodhpur

### Membership/Post in Journal or Society or Association

1. ISTM (Indian Society for Transfusion Medicine: Organizing Secretary Selected to Host Transmedcon 2025 National Conference at AIIMS Jodhpur, selected at AGM 2023 held in Chandigarh (Also Speaker National Conference 2023)
2. Subject Editor: Current Science (Indian Academy of Science Bangalore) ISSN 0011:3891 Science Citation Index (SCI) indexed, Impact 1.01
3. Reviewer: JCA (Journal of Clinical Apheresis): ISSN 1744-9979 (Print), 1744-9987 (Electronic), 1744-9979 (Linking)
4. Reviewer: IJCM (Indian Journal of Community Medicine) ISSN: 0970-0218
5. Member: CLSI (Clinical Laboratories Standards Institute), core committee follower member of
  - a. CLSI EP17: Evaluation of Detection Capability for Clinical Lab Measurement, Document Development Committee.
  - b. CLSI GP41: Collection of Diagnostic Venous Blood Specimens, Follower member
6. Grant Reviewer for SERB/DST (Science and Engineering Research Board)
7. AABB (Association for the Advancement of Blood & Biotherapies, previously American Association of Blood Banks)
  - a. Member therapeutic Apheresis Section & reviewer for Tech Manual
  - b. Provider for CME Session at AABB education website & Conference.
8. ASFA (American Society for Apheresis):
  - a. Member International Affairs Committee
  - b. Author of Principle of Apheresis Technology: Ch1: Basic Science
9. TMAS (Transfusion Medicine Academics Society): National Webinar Speaker 2023
10. ISTH (International Society on Thrombosis & Hemostasis)
  - a. Member Scientific Subcommittees on Platelet Function & vWF
  - b. COAGAPO Study group: Primary panel member: procoagulant vs apoptotic platelet markers

11. Association for Diagnostic and Laboratory Medicine (ADLM) formerly AACC (American Association for Clinical Chemistry), Speaker (Continuing Education talk provider: 2 talks delivered in 2023 AACC/ADLM Anaheim CA, USA; 2 talks selected for presentation in 2024 ADLM Chicago, USA; Member ADLM India Section.

**National/ International Conferences attended:**

1. American Society for Apheresis (ASFA) Annual Meeting, Minneapolis, MN, USA, April 26-28, 2023
2. Association for Diagnostic and Laboratory Medicine (ADLM) 2023 Annual Scientific Meeting and Lab Expo, Anaheim, CA, USA, July 23 – 27, 2023
3. Indian Society of Transfusion Medicine, Annual Conference, PGIMER Chandigarh, 2<sup>nd</sup> November-5<sup>th</sup> November 2023
4. 6th Hematology update & Workshop, 10<sup>th</sup> -11<sup>th</sup> February 2024, AIIMS Jodhpur
5. 3rd Annual Pediatric Kidney meet - An IPNA endorsed AIIMS Jodhpur Pediatric Nephrology, LT2, AIIMS Jodhpur

**Any other information:**

1. CLSI (Clinical Laboratories Standards Institute) Committee member for document development & revision
  - a. EP17: Evaluation of Detection Capability for Clinical Lab Measurement
  - b. GP41: Collection of Diagnostic Venous Blood Specimen (Comments shortlisted for update of CLSI PRE02 new edition)
2. Tender Specification for AIIMS Raipur for Nucleic Acid Testing
3. Tender Specification for HLL/HITES for Transfusion Medicine equipment for new AIIMS
4. Tender Specification for AIIMS Jammu for Nucleic Acid Testing
5. Nodal course coordinator for BSc MLT course at AIIMS Jodhpur
6. Core faculty for Medical Technology AIIMS-IIT joint M-tech & PhD courses
7. Judge for Oral as well as poster Presentations at Indian Conference on Med-Tech Innovation (ICMI) 2023 & 2024

**Name of faculty: Dr. Anubhav Gupta**

**Designation: Assistant Professor**

**Books/Chapters**

1. Transfusion Nurse Module, Asian Association of Transfusion Medicine
  - a. Post Donation Care
  - b. Basics of Blood Grouping
  - c. Managing a Blood Donation Camp
  - d. Methods of Haemoglobin Estimation in Blood Donors
  - e. Organizing a Blood Donation Camp
2. Haematology Pearls- Role of transfusion medicine in Haemopoietic Stem Cell Transplantation

**Papers Presented:**

1. Know your cell separator-Indian Society of Transfusion Medicine, Annual Conference, PGIMER Chandigarh, 2<sup>nd</sup> November-5<sup>th</sup> November 2023
2. Transfusion support in Thalassemia- 8th Midterm PHO CME 21st to 23rd July, 2023, AIIMS Jodhpur
3. Basics in Blood Grouping- 6th Hematology update, 10<sup>th</sup> -11<sup>th</sup> February 2024, AIIMS Jodhpur

**Sessions Chaired:**

1. Advancements in Immunohaematology. [Learn Basics in Immunohematology- CME cum workshop], AIIMS Jodhpur, E-Classroom, 30<sup>th</sup> March 2024
2. How do I approach Complex Immunohematology cases (case based clinical scenarios). [Learn Basics in Immunohematology- CME cum workshop], AIIMS Jodhpur, E-Classroom, 30<sup>th</sup> March 2024
3. Transfusion in Paediatric Practices and Haemovigilance- [8th Midterm PHO CME 2023], LT2, AIIMS Jodhpur
4. Atypical HUS and Genetics in renal disorders. [3rd Annual Pediatric Kidney meet - An IPNA endorsed AIIMS Jodhpur Pediatric Nephrology], LT2, AIIMS Jodhpur

**Invited Lectures**

1. MoHFW & DGHS- Training of Counsellors-Ranchi, Jharkhand, 17<sup>th</sup> -19<sup>th</sup> March 2024
2. Know your cell separator-Indian Society of Transfusion Medicine, Annual Conference, PGIMER Chandigarh, 2<sup>nd</sup> November-5<sup>th</sup> November 2023
3. Transfusion reactions in children-8th Midterm PHO CME 21st to 23rd July, 2023, AIIMS Jodhpur
4. Basics in Blood Grouping- 6th Hematology update, 10<sup>th</sup> -11<sup>th</sup> February 2024, AIIMS Jodhpur
5. Artificial Intelligence in Healthcare- Residents & Interns
6. AI & HMIS integration in AIIMS Jodhpur-Introductory Lecture
7. Seminar on Massive Transfusion Protocol in Trauma Patients- Department of Trauma & Emergency

**Symposium Speaker**

1. Clinical Transfusion Working Party Business Meeting Gothenburg, virtual, 17<sup>th</sup> June, 2023
2. ISBT Clinical Transfusion Working Party Meeting, virtual, 27<sup>th</sup> December, 2023

**Resource Faculty:**

1. Apheresis workshop-Know your cell separator-Indian Society of Transfusion Medicine, Annual Conference, PGIMER Chandigarh, 2<sup>nd</sup> November-5<sup>th</sup> November 2023
2. Transfusion support in Thalassemia- 8th Midterm PHO CME 21st to 23rd July, 2023, AIIMS Jodhpur

**Workshops/ Conferences Organized**

1. Secretary-Learn Basics in Immunohematology- CME cum workshop, E-Classroom, 30<sup>th</sup> March 2024
2. Joint Secretary -1<sup>st</sup> International Laboratory Week, Organized by Department of Biochemistry-22<sup>nd</sup> - 28<sup>th</sup> 2023, Organized QUIZ master for Laboratory Technicians, Judge in Case presentation by residents

3. Three Day seminar on Best Bedside Transfusion Practices- 7<sup>th</sup> – 9<sup>th</sup> August, 2023
4. Co-Ordinator-8th Midterm PHO CME 2023

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. Assessing the prevalence of platelet alloimmunization in Haemato-Oncology Patients, AIIMS Jodhpur
2. Association of HLA class I genotype with carbamazepine/oxcarbazepine and lamotrigine induced-cutaneous adverse reactions among pediatric neurology patients in Rajasthan, AIIMS Jodhpur

**As Co-Investigator**

1. Role of regulatory T-cells (Tregs) monitoring with Complement-dependent cytotoxicity and Flow-cytometric crossmatch in ABO-compatible renal transplant recipients: A prospective cross-sectional study
2. In Vitro characterization of Reticulocyte (Neocyte) enrichment protocols for improved Diagnostic and Therapeutic applicability
3. Impact of Notifying & recall of Blood Donors on Blood Safety
4. Bedside transfusion knowledge assessment of clinical residents & Nursing officers in AIIMS Jodhpur
5. Thesis Guide-1 & Co-Guide-2

**Completed:**

**As Principal Investigator**

1. Therapeutic Plasma Exchange in Neurological Disorders: A Tertiary Care Blood Center Experience from North India, AIIMS Jodhpur

**As Co-Investigator**

1. Multi-centre study on the Indication of Transfusion of Blood and Blood components for Pediatric and Neonatal group of patients in India
2. Research study on Patient Blood Management in Rajasthan State
3. Estimating Turn Around Time in Blood Transfusion Services

**National/ International Conferences attended:**

1. Indian Society of Transfusion Medicine, Annual Conference, PGIMER Chandigarh, 2<sup>nd</sup> November-5<sup>th</sup> November 2023
2. 8th Midterm PHO CME 21st to 23rd July, 2023, AIIMS Jodhpur
3. 6th Hematology update, 10<sup>th</sup> -11<sup>th</sup> February 2024, AIIMS Jodhpur
4. 3rd Annual Pediatric Kidney meet - An IPNA endorsed AIIMS Jodhpur Pediatric Nephrology, LT2, AIIMS Jodhpur

**Any other information:**

1. Co-Coordinator-IIT, Delhi lead consortium for setting up Center of Excellence (CoE) in AI for

Healthcare-AIIMS Jodhpur

2. Customization & Implementation of Blood Bank Management System
3. Implementation of CPOE

**Name of Faculty: Dr Siddharth Mittal**

**Designation: Assistant Professor**

#### **Books/Chapters**

1. Mittal S. Iatrogenic blood loss. In: Patient Blood Management, 1st edition, Jodhpur National Health Mission 2022

#### **Papers Presented:**

1. Corresponding Author for poster presentation Subha et al. "Role of Double volume exchange transfusion in Neonatal Sepsis: A Case Series" at Transmedcon National Conference Nov 2023 at Chandigarh, India
2. Corresponding Author for award-winning Best-Case Presentation Rajat et al. "A case of Hemolytic Transfusion Reaction due to Wrong Blood in Tube" at 1<sup>st</sup> International Lab Professionals Week CME April 2023 at AIIMS Jodhpur, Rajasthan, India
3. Corresponding Author for award-winning Poster Presentation Rajat et al. "Is Naturally occurring anti-M clinically significant or not? – A case report" at Hartaranscme 2023 National CME by ISBTI May 2023 at Haryana, India
4. Corresponding Author for Oral presentation Vasanth et al. "Detection of alloantibody before the development of overflow phenomenon in a case of warm AIHA secondary to Chronic Lymphocytic Leukemia and Myasthenia Gravis: A Case Report" in the National CME cum Workshop on "Serologic Approach to Red Cell Antibody Identification" April, 2023 at ILBS, New Delhi, India

#### **Sessions Chaired:**

1. **Moderator & Chairperson** – What Should I do if DAT is positive? at Basic Immunohaematology CME & Workshop, 30<sup>th</sup> March 2023, AIIMS Jodhpur

#### **Invited Lectures**

1. "What is Smooth Blood donation experience?" at 48th Annual National Conference of the Indian Society of Blood Transfusion and Immunohaematology (ISBTI), TRANSCON 4<sup>th</sup> to 8<sup>th</sup> October, 2023, Lucknow, U.P.
2. "Donor Haemovigilance: A Practical Approach" at 48th Annual National Conference of the Indian Society of Blood Transfusion and Immunohaematology (ISBTI), TRANSCON 4<sup>th</sup> to 8<sup>th</sup> October, 2023, Lucknow, U.P.

#### **Symposium Speaker**

1. Invited Speaker "Iatrogenic blood loss" at 1<sup>st</sup> International Lab Professionals Week CME April 2023 at AIIMS Jodhpur, Rajasthan, India

#### **Resource Faculty:**

1. Faculty coordinator for Workshop on 'Voluntary Blood donation: Innovation and Motivation' at 48th Annual National Conference of the Indian Society of Blood Transfusion and Immunohaematology (ISBTI), TRANSCON 4th to 8th October, 2023, Lucknow, U.P.
2. Faculty Judge for Case studies at 1st International Lab Professionals Week CME April 2023 at AIIMS Jodhpur, Rajasthan, India
3. Faculty coordinator for Case studies at 1<sup>st</sup> International Lab Professionals Week CME April 2023 at AIIMS Jodhpur, Rajasthan, India
4. Faculty Quiz Master at 1<sup>st</sup> International Lab Professionals Week CME April 2023 at AIIMS Jodhpur, Rajasthan, India
5. Faculty for Immunohaematology Workshop at at Basics Immunohaematology CME & Workshop, 30<sup>th</sup> March 2023, AIIMS Jodhpur

### **Research Project:**

#### **Ongoing:**

##### **As Principal Investigator**

1. Role of regulatory T-cells (Tregs) monitoring with Complement-dependent cytotoxicity and Flow-cytometric crossmatch in ABO-compatible renal transplant recipients: A prospective cross-sectional study. (*Intramural funding, AIIMS, Jodhpur*)
2. Response rate to counselling among notified sero-reactive blood donors in Western Rajasthan: An experience from a tertiary care centre. (*Intramural project, AIIMS, Jodhpur*)
3. Effect of multi-modal training on knowledge, attitude, and practices of blood transfusion among nurses working in a tertiary care hospital: A Prospective Interventional study. (*Intramural project, AIIMS, Jodhpur*)
4. Association of HLA class I genotype with carbamazepine/oxcarbazepine and lamotrigine induced-cutaneous adverse reactions among pediatric neurology patients in Rajasthan (*Intramural funding, AIIMS, Jodhpur*)

##### **As Co-Investigator**

1. Prevalence & Characterization of platelet alloimmunization & role of ABO matched versus crossmatched platelet transfusion in haemato-oncology patients. Intramural funding, AIIMS, Jodhpur. (*Intramural funding, AIIMS, Jodhpur*)
2. Assessment of Siglec receptors and its ligands on platelets in patients with systemic lupus erythematosus. (Extramural funding, *Department of Biotechnology, Ministry of Science & Technology, Govt*)

#### **Completed:**

##### **As Co-Investigator**

1. Therapeutic plasma exchange in Neurological disorders: A tertiary care blood centre experience from North India, AIIMS, Jodhpur. (*Intramural project, AIIMS, Jodhpur*)

##### **Scientific Awards/Patents**

1. Corresponding Author for award-winning Best-Case Presentation Rajat et al. "A case of Hemolytic Transfusion Reaction due to Wrong Blood in Tube" at 1st International Lab Professionals Week CME April 2023 at AIIMS Jodhpur, Rajasthan, India



2. Corresponding Author for award-winning Poster Presentation Rajat et al. "Is Naturally occurring anti-M clinically significant or not? – A case report" at Hartaranscme 2023 National CME by ISBTI May 2023 at Haryana, India

#### **Membership/Post in Journal or Society or Association**

1. Life Member, Indian Society of Transfusion Medicine (Membership no: 2017240027)
2. Life Member, Indian Society of Histocompatibility & Immunogenetics (Membership no: ISHI/ 183)

#### **National/ International Conferences attended:**

1. 48th Annual National Conference of the Indian Society of Blood Transfusion and Immunohaematology (ISBTI), TRANSCON 4<sup>th</sup> to 8<sup>th</sup> October, 2023, Lucknow, U.P.
2. 1st International Lab Professionals Week CME April 2023 at AIIMS Jodhpur, Rajasthan, India
3. Basics Immunohaematology CME & Workshop, 30<sup>th</sup> March 2023, AIIMS Jodhpur

#### **Conferences organized by the Department of Transfusion Medicine:**

##### **1. Learn the Basics in Immunohematology: CME cum Workshop, 30<sup>th</sup> March 2024**

On March 30, 2024, a comprehensive workshop titled "Learn the Basics in Immunohematology" for Blood Centre Medical Officers, Junior Residents, Senior Residents and Technicians of Rajasthan, was organized by Dr. Anubhav Gupta, chaired by Dr. M.K. Garg and inaugurated by the Executive Director Dr. Govardhan Dutt Puri. Seventy-five participants from across Rajasthan, participated in the CME cum workshop. Interactive theory sessions were taught by senior residents and guest faculty and chaired by department faculty. Practical sessions were demonstrated by junior and senior residents, supervised by faculty.

The workshop covered a range of topics, including fundamentals, interpretations and troubleshooting of Grouping, DAT, IAT, Ab screening, Ab identification, and approach to complex case scenarios, involving theory as well as hands-on training and practical demonstrations. This combined theoretical and practical experience under expert supervision provided the participants with valuable tools to advance understanding and skills on essential laboratory techniques and solve complex challenges in their practice, enriching the quality of transfusion medicine services and patient care in the region. The workshop provided a robust platform for healthcare professionals in Rajasthan to update their knowledge and enhance their practical skills in immunohematology. The combination of theoretical knowledge and hands-on experience equipped participants with the necessary tools to address complex challenges in their practice.



Participants and organizers during the event



Participants and faculty at the "Learn the Basics in Immunohematology" workshop held on March 30, 2024, at AIIMS Jodhpur

**Other outreach activities:**

1. The department undertook various efforts to increase and motivate voluntary blood donors, including the Celebration of World Blood Donor Day (Walkathon for creating awareness of Blood donation),

National Voluntary blood donor's day and multiple initiatives in recruiting and felicitating voluntary donors. Another activity of the department was the collaboration with Indian Army, Air force, and para-military services in organizing multiple voluntary blood donation camps (in-house as well as outdoor).

2. Community outreach programs, leading motivational activities for Promoting Voluntary Blood Donation & awareness- JNVU, New Campus, Chopasani School Jodhpur, Adarsh College Chokha, Lachoo College, Jodhpur, Somani College of Commerce, Jodhpur, Aishwarya College, Jodhpur, Commissioner Office, Jodhpur, Police Station, Basni, Jodhpur
3. Celebrated 14<sup>th</sup> June 2023- World Blood Donor Day: "Nukkad Natak" Myths about Blood Donation, Felicitation of Voluntary Blood Donors & Camp organizers, Rangoli, Pledge taking, Voluntary Blood Donation awareness program
4. Celebrated National Youth Day-12<sup>th</sup> January 2024
5. Celebrated 1<sup>st</sup> October 2023- Voluntary Blood Donor Day

## Department of Trauma and Emergency

S.NO.	Faculty Name	Designation
1.	Dr. Mahaveer Singh Rodha	Professor and HOD (General Surgery)
2.	Dr. Ankur Sharma	Additional Professor (Anaesthesiology)
3.	Dr Kamla Kant Shukla	Additional Professor (Biochemistry)
4.	Dr Bharat Choudhary	Additional Professor (Pediatrics)
5.	Dr Rahul Choudhary	Additional Professor (Cardiology)
6.	Dr. Manisha Jhirwal	Associate Professor (Obstetrics & Gynecology)
7.	Dr Raghavendra Kumar Sharma	Assistant Professor
8.	Dr. Amit Kumar Rohila	Assistant Professor
9.	Dr. Laxman Chaudhary	Assistant Professor
10.	Dr. Rohit Kumar Rai	Assistant Professor

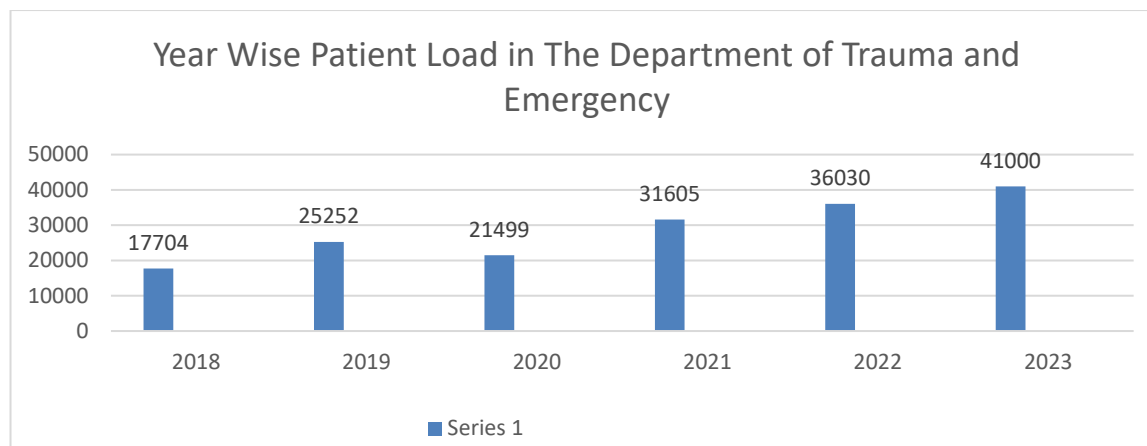
### About the Department:

The Department of Trauma and Emergency is an important part of any Medical Institution being a place of first medical contact for critically ill patients requiring urgent interventions, which are most of the time lifesaving and decide the patient's further outcome. Our department deals with all kinds of Emergencies under one roof, including Medical and surgical. A competent group of faculties and motivated and hard-working senior and junior residents manage our department.

### Functions and Responsibilities:

- Emergency Response:** The department is equipped to respond to emergencies 24/7, ensuring that medical care is available at any hour of the day or night.
- Critical Care:** Highly trained medical personnel, including emergency physicians, trauma surgeons, nurses specializing in emergency care, and paramedics, work collaboratively to provide rapid assessment and treatment.
- Trauma Care:** In cases of severe injuries such as gunshot wounds, severe burns, or motor vehicle accidents, the department employs advanced trauma protocols to minimize complications and improve outcomes.
- Diagnostic Expertise:** Utilizing state-of-the-art imaging technologies (like CT scans and ultrasound) and laboratory testing, the department swiftly diagnoses patients to guide appropriate treatment.
- Patient Stabilization:** The initial focus is on stabilizing patients to prevent further deterioration of their condition before transferring them to specialized departments or units for ongoing care.
- Coordination with Specialties:** Collaborating closely with other hospital departments, including surgery, intensive care, neurology, and cardiology, ensures that patients receive comprehensive care tailored to their needs.
- Education and Research:** The department is continuously involved in improved postgraduate and undergraduate teaching and training. Also, the faculty and residents are frequently involved in quality research and publications.

Our department has been catering to an increasing patient load since the beginning from a total annual load of 9000 in 2017-2018 to 41000 in 2023-2024. We are managing emergencies like Road traffic accidents with all kinds of organ-threatening injuries, and initial management of Cardiac emergencies including acute myocardial infarction, cerebrovascular accidents, sepsis, surgical emergencies, etc.



We are conducting various teaching activities for our residents, including Simulation-based teaching, journal clubs, seminars, and practical bedside teaching with hands-on training of residents for Point of care imaging and procedures like pericardiocentesis, ICD insertion, temporary pacemaker placement, surgical airways, endotracheal intubation, and mechanical ventilation, etc.

Residents have made our institute proud on many occasions by winning prizes in various quizzes and poster presentations at many national-level conferences. Currently, our department is receiving 4 Academic junior residents per year in Emergency medicine and 2 residents per year for Trauma MCh.

### Publications

1. R Chouhan, A Kumar, A K Rohila, M S Rodha, Kailash Kailash, A Sharma, Role of high dose ascorbic acid in ammonium bichromate poisoning, *QJM: An International Journal of Medicine*, 2024
2. Chugh, A., Purohit, P., Vishnoi, J.R. *et al.* Correlation of hsa miR-101-5p and hsa miR-155-3p Expression With c-Fos in Patients of Oral Submucous Fibrosis (OSMF) and Oral Squamous Cell Carcinoma (OSCC). *J. Maxillofac. Oral Surg.* 22, 381–387 (2023).
3. Chaudhary R, Tak V, Dutt A, Rodha MS, Meena SP, Badkur M, Kobade SP, Lodha M, Sharma N, Nag VL, Puranik A. Current Trends in the Management of Port-Site Infections: A Case Series and a Review of Published Work. *Cureus*. 2023 Jun 25;15(6).
4. Chauhan AS, Rodha MS, Sairam MV, et al Pleural migration of needle in robotic hiatal hernia surgery *BMJ Case Reports CP* 2024;17:e259284.
5. George, Akhil V.; Sharma, Ankur<sup>1</sup>; Rodha, Mahaveer S.<sup>2</sup>; Choudhary, Bharat<sup>3</sup>; Bohra, Gopal K.<sup>4</sup>; Rohila, Amit K.<sup>5</sup>; Goel, Akhil D.<sup>6</sup>. Clinico-Epidemiological Profile and Short-Term Outcomes of Patients with Acute Poisoning Presenting to an Emergency of a Tertiary Care Center in Western Rajasthan. *Indian Journal of Community Medicine* 48(5):p 734-740, Sep–Oct 2023.
6. Mishra S, Kothari N, Sharma A, Goyal S, Rathod D, Meshram T, Bhatia P. Comparison of Oxygen Delivery Devices in Postoperative Patients with Hypoxemia: An Open-labeled Randomized Controlled Study. *Indian J Crit Care Med*. 2024 Mar;28(3):294-298. doi: 10.5005/jp-journals-10071-24659. PMID: 38477006; PMCID: PMC10926037.

7. Karan P, Sharma A, Mukesh A, Goyal S, Rathod D, Kumari K, Meshram T, Kothari N, Bhatia P. Comparison of procedural time with two different ultrasound-guided approaches for dorsalis pedis artery cannulation in adult patients: A randomized trial. *J Vasc Access*. 2024 Jan 10;11297298231219431. doi: 10.1177/11297298231219431. Epub ahead of print. PMID: 38197213.
8. Sharma, A., Goyal, S., Singh, N.C. et al. The understanding of medical undergraduates and interns towards basic life support: a cross-sectional study. *Ain-Shams J Anesthesiol* 15, 44 (2023). <https://doi.org/10.1186/s42077-023-00338-2>
9. Rathod DK, Sharma A, Sharma N, Kaushik A, Karmakar S. Takotsubo cardiomyopathy following head and neck surgery: Can the fear of disfigurement be blamed? *Saudi J Anaesth*. 2023 Jul-Sep;17(3):419-422. doi: 10.4103/sja.sja\_906\_22. Epub 2023 Jun 22. PMID: 37601518; PMCID: PMC10435813
10. Sahoo P, Kothari N, Sharma A, Goyal S. Author Reply: Comparison of Norepinephrine and Terlipressin vs Norepinephrine Alone for Management of Septic Shock: A Randomized Control Study. *Indian J Crit Care Med*. 2023 Aug;27(8):603-604. doi: 10.5005/jp-journals-10071-24514. PMID: 37636857; PMCID: PMC10452768.
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39. Ragavi R, Muthukumaran P, Nandagopal S, Ahirwar DK, Tomo S, Misra S, Guerriero G, Shukla KK. Epigenetics regulation of prostate cancer: Biomarker and therapeutic potential. *Urol Oncol*. 2023: S1078-1439(23)00090-X. PMID: 37032230 (IF-3.49).
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43. Janu V, Sharma R, Agrawal M, Jha A, Ruparelia J, Bhaskar S, Jha DK. *Bipolar Cautery in Aneurysms: Effective but Underutilized Technique*. *Journal of Cerebrovascular Sciences*. 2023 (accepted for publication)
44. Sharma R, Agrawal M, Janu V, Gosal J, Jha DK. *A Simple and Cost Effective Hand rest for Microneurosurgery*. *Journal of Cerebrovascular Sciences*. 2023 (accepted for publication)



**Name of Faculty: Dr Mahaveer Singh Rodha**

**Designation: Professor and Head**

**Resource Faculty:**

1. Participated in the Launching Event and working session of the Global Road Safety Initiative, 4<sup>th</sup> -6<sup>th</sup> December 2023, Faridabad
2. Participated in Surgeon Led Refinement Training 16<sup>th</sup> March 2024, Bangalore.
3. Participated in TQI workshop, 28<sup>th</sup> -30<sup>th</sup> March 2024, AIIMS, Delhi
4. ATLS India at AIIMS, Jodhpur May 2023 (as course faculty)
5. ATLS India at AIIMS, Jodhpur August 2023 (as course faculty)
6. ATLS India at AIIMS, Jodhpur October 2023 (as course faculty)
7. ATLS India at AIIMS, Jodhpur November 2023 (as course faculty)
8. ATLS India at AIIMS, Jodhpur February 2024 (as course faculty)

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. "To study the effectiveness of Trauma Quality Improvement Programs (TQIP's) in improving Trauma Care outcomes at Tertiary Care Hospitals in India". Metacentric study extramural Funded by ICMR.
2. Global evaluation of cholecystectomy knowledge and outcomes (Gecko)

**As Co-Investigator**

1. Feasibility and Outcomes of Uniportal VATS in Stage II Empyema Thoracic.
2. Robotic Thymectomy for myasthenia gravis: A Prospective observational study.
3. Lung Hydatid disease: A Surgeon Perspective and Experience.
4. Study of newer ischemia markers in patients with intestinal obstruction and mesenteric ischemia.
5. Feasibility of telemedicine follow-up in General Surgery patients at a tertiary care center in India: A randomized control trial.
6. The influence of prehospital care parameters on the outcome of trauma patients admitted to a tertiary care hospital in northwestern India (SIRI Project).
7. An Experience of Hybrid veress Needle Technique to Create Pneumoperitoneum, AIIMS, Jodhpur
8. Changes in dehydroepiandrosterone and cortisol levels after major trauma: A Prospective observational study, AIIMS, Jodhpur

**Examinership:**

1. MS. (Surgery) Vardhman Mahavir Medical College & Safdarjung, New Delhi, July 2023.
2. Faculty post of Trauma & Emergency ( External Subject Expert), AIIMS Guwahati, 1-2 December 2023
3. M.D. (Emergency Medicine), AIIMS New Delhi, 14-15 December 2023.
4. Final MBBS Examination (General Surgery), AIIMS Gorakhpur, 19-20 Feb 2024.
5. Faculty post of Surgery (External Subject Expert), AIIMS Gorakhpur, 19 December 2023.

**National/ International Conferences attended:**

1. Launching Event and working session of the Global Road Safety Initiative (as Expert), 4-6 December 2023, Faridabad
2. Surgeon Led Refinement Training, 15-16 March 2024, Bangalore.
3. TQI Workshop (as Expert), 28-30th March 2024, AIIMS New Delhi.

**Name of Faculty: Dr Ankur Sharma**

**Designation: Additional Professor**

**Book chapters**

1. Manbir Kaur, Bharat Paliwal, **Ankur Sharma**. Chapter 19. Anesthesiologist as a Perioperative Physician. Essential of Anesthesia & Critical Care 2023; 2<sup>nd</sup> edition.
2. Nikhil Kothari, **Ankur Sharma**. Monitoring and Management during the course of Mechanical Ventilation. 18 July 2023. by Pradip Kumar Bhattacharya (Author), Jay Prakash (Author), Rajesh Chandra Mishra (Author), ISCCM (Author)

**Sessions Chaired:**

1. Working towards quality care - 1st Annual International Conference of Society of Trauma Anaesthesia and Critical Care, 2nd - 5<sup>th</sup> Nov 2023, PGIMER, Chandigarh
2. Cadaveric Organ Retrieval workshop, March 15<sup>th</sup> 2024, AIIMS, Jodhpur.
3. 6th iDLT Congress"- 6th International Congress of Living Donor Liver Transplantation Group 2023". 17<sup>th</sup> – 18<sup>th</sup> November 2023. session -"Perioperative Challenges" 2023 in Anaesthesia and Critical Care programme, Jaipur

**Invited Lectures**

1. Faculty (Speaker) - AIIMS Patna Post Graduate Assembly (APPGA 2023) At Patna -April 2023- Topic: How to interpret X-ray chest? On 15th April 2023
2. Faculty (Speaker) - "30<sup>th</sup> Annual National Conference of the Indian Society of Critical Care Medicine (CRITICARE 2024)" at KOLKATA from March 1-3, 2024 - "Critical Analysis of Hemodynamic Recommendations of Surviving Sepsis Campaign"

**Resource person:**

1. Faculty (Chairperson)- WORKING TOWARDS QUALITY CARE) - 1st Annual International Conference of Society of Trauma Anaesthesia and Critical Care scheduled from Nov 2nd to 5th, 2023, PGIMER, Chandigarh.
2. Faculty (Workshop) - "AIIMS Ultrasound-Guided Regional Anaesthesia Workshop (AURA 2024) at AIIMS, New Delhi, from February 23-24, Session: Upper Limb Blocks (Supraclavicular/ Interscalene)
3. Faculty (Chairperson) "Cadaveric Organ Retrieval workshop" at AIIMS, Jodhpur on March 15, 2024.
4. Faculty (Chairperson) "6th iDLT Congress"- 6th International Congress of Living Donor Liver Transplantation Group 2023" at Jaipur from 17th to 18th November, 2023. session -"Perioperative Challenges" 2023 in Anaesthesia and Critical Care programme.
5. Faculty (Judge) at 30th Annual National Conference of the Indian Society of Critical Care Medicine (CRITICARE 2024)" at KOLKATA from March 1-3, 2024- on March 03, 2024.

**Awards**

1. Young Speaker Search Award by the Indian Society of Critical Care Medicine (ISCCM) for CRITICARE 2024, Kolkata. I was among the top 10 out of 97 applicants.
2. Appreciation award for Book Chapter on "Research Day" January 13, 2024, at AIIMS Jodhpur

**Research Project:****Chief-Investigator:**

1. Clinical profile of obstetric patients admitted in ICU-A retrospective analysis.

**Co-Investigator**

1. Effect of magnesium on lactate clearance in critically ill patients with sepsis : a randomised clinical trial
2. A study of clinic-epidemiological profile and factors affecting the return of spontaneous circulation and outcome in patients presenting to emergency room with non-traumatic cardiac arrest.
3. Comparison of the effect of intra cuff Normal saline, Dexamethasone or ketamine for prevention of post-operative sore throat: A randomized controlled trial
4. Compare the success rate of short-axis out of plane versus long-axis in plane approach in ultrasound-guided dorsalis pedis artery cannulation: A randomized controlled trial.

**National/ International Conferences attended:**

1. 1st Annual International Conference of Society of Trauma Anaesthesia and Critical Care, 2<sup>nd</sup> - 5<sup>th</sup> Nov 2023 PGIMER, Chandigarh.
2. 6th iDLT Congress"- 6th International Congress of Living Donor Liver Transplantation Group 2023", 17<sup>th</sup> – 18<sup>th</sup> November 2023, Jaipur
3. 30<sup>th</sup> Annual National Conference of the Indian Society of Critical Care Medicine (CRITICARE 2024)", 1<sup>st</sup> -3<sup>rd</sup> March 2024, Kolkata

**Name of Faculty: Dr. Kamla Kant Shukla****Designation: Additional Professor****Papers Presented:**

1. Presented a paper at the WorldLab-EuroMedLab Roma 2023 Congress from 21<sup>st</sup> to 25<sup>th</sup> May 2023 in Rome, Italy.
2. Presented a paper at the central zone ACBICON-2024, AIIMS, Bhopal, from 18<sup>th</sup> to 20<sup>th</sup> January 2024.
3. Presented a paper at the IABSCON-2024, AIIMS, Patna from 23<sup>rd</sup> to 25<sup>th</sup> February 2024

**Resource faculty**

1. Organizing team member of the workshop Flowcytometry – Basic to monitoring Immunodeficiencies held from 6th to 9th November 2023, AIIMS, Jodhpur.
2. Organizing team member of the North Zone ACBICON-2024 conference held from 1st to 2nd February 2024, AIIMS, Jodhpur

3. Organizing team member of the third mammalian Cell Culture workshop held from 11th to 16th march 2024.

## Research Projects

### Completed:

#### As Principal Investigator:

2. Association of miR-21, miR-141, miR-145 and miR-10b in the induction and propagation of cancer stem cell in prostate cancer. Funded by All India Institute of Medical Sciences, Jodhpur (2017-19).

#### As Co- Investigator:

1. Interleukin IL-1A and IL-1Ra Gene Polymorphism and Susceptibility to Rheumatoid Arthritis in Indian populations. Funded by All India Institute of Medical Sciences, Jodhpur (2017-19).
2. Assessment of plasma and urinary branched-chain amino acids among patients of type 2 diabetes mellitus. Funded by All India Institute of Medical Sciences, Jodhpur (2017-19).
3. To understand the diagnostic and prognostic significance of circulating miRNAs expression in prostate cancer patients. Funded by All India Institute of Medical Sciences, Jodhpur (2017-19).
4. To assess the validity of references ranges of different semen parameters recommended by WHO laboratory manual for the Examination and processing of human semen and to analyse the correlation of sperm DNA fragmentation levels with male fertility status. Funded by All India Institute of Medical Sciences, Jodhpur (2017-19).
5. Expression of circulating miRNA 21 and 155 in patients with Bronchial Asthma and their association with lung function and treatment response—A Prospective Observational Case-Control Study. Funded by All India Institute of Medical Sciences, Jodhpur (2019-20).

## Research Projects

### Ongoing Research Projects

#### As Investigator

1. To assess the impact of endocrine disrupting chemical (EDC) exposure on DNA methylation in infertile males: A multicentric study in India. Extramural 54.5 lac, DHR-(2024-2027).
2. To investigate the efficacy of anticancer drugs with herbal combination in a rat model of prostate cancer. Intramural

#### As Co-Investigator

1. Assessment of urinary carcinogens level and urine cytology among industry and non-industry workers in Jodhpur. Funded by All India Institute of Medical Sciences, Jodhpur. Funded by Indian Council of Medical Research, New Delhi (ICMR- 2021-2024). Extramural
2. ICMR Task force on Reference Interval in Indian Population. ICMR

## Scientific Awards

1. Standing 1st among Additional Professors for securing maximum extramural research grants in 2024, AIIMS Jodhpur.
2. Excellence certificate for standing 2nd among Additional Professors for research output and impact based on h-index in 2024, AIIMS Jodhpur.
3. Excellence certificate for number of citations in Scopus in 2024, AIIMS Jodhpur.

4. Certificate of appreciation for noteworthy research contribution for authoring chapters in books in 2024, AIIMS Jodhpur

#### **Membership/Post In Journal Or Society Or Association**

1. Member; National Academy of Medical Sciences (India) in 2022.
2. Member; American Association for Clinical Chemistry, USA in 2022.
3. Life member; Association of Clinical Biochemists of India.
4. Life member; Indian Academy of Biomedical Sciences, India.
5. Life member; Association of Reproductive Health Professionals, USA.

#### **Examinership**

1. Recognized examiner for M.B.B.S., BSc-MLT, M.D. at Rajasthan Health University, Rajasthan.
2. Recognized undergraduate examiner for M.B.B.S. at GSVM Medical College, Kanpur.
3. Recognized examiner for Ph.D. at King George's Medical University, Lucknow, Uttar Pradesh.
4. Recognized examiner for Ph.D. at Pt. Ravishankar Shukla University, Chhattisgarh.
5. Recognized examiner for Ph.D. at Indian Institute of Toxicology Research (IITR), Lucknow.
6. Recognized examiner for Ph.D. at NIIMS University, Rajasthan.
7. Recognized examiner for Ph.D. at Amity University Jaipur.

#### **Name of Faculty: Dr Bharat Choudhary**

#### **Designation: Additional Professor (Pediatrics)**

#### **Papers Presented: as principal author**

1. Impact of Pre-hospital care and mode of transport on clinical outcome of acutely injured patients coming to emergency at tertiary care Hospital in Jodhpur, India- 9<sup>th</sup> -12<sup>th</sup> August 2023, World Trauma Congress, Tokyo, Japan.

#### **Papers Presented: As Co-author**

1. Outcome of children with out of hospital and intrahospital cardiac arrest – NAPEM 2024, 29<sup>th</sup>- February to 3<sup>rd</sup> March 2024.
2. Effectiveness of the PECARN clinical decision rule in children with Minor Head Trauma at Tertiary care center in Western Rajasthan, NAPEM 2024, 29<sup>th</sup>- February to 3<sup>rd</sup> March 2024.

#### **Resource Faculty:**

1. National Assembly on Pediatric Emergency Medicine (NAPEM) at Bangalore as Joint secretary of IAP PEM chapter, 29<sup>th</sup> Feb-3<sup>rd</sup> March
2. PTLS – Pediatric Trauma Resuscitation Module at NIHFWD Delhi, 8<sup>th</sup>- 10<sup>th</sup> November 2023
3. Emergency Treatment and Triage workshop (ETAT) for medical officers and Nursing officers of Rajasthan – Three such workshops was organized physically during last year involving at least 50 Medical officers and Nursing officers
4. Hands On PD workshop- as an Organizing team member

5. As Joint Secretary National chapter for Pediatric Emergency Medicine under IAP

### **Research Project:**

#### **Ongoing**

#### **As Principal Investigator:**

1. Endothelial Glycocalyx degradation in Paediatric Dengue infection and its association with Severity of illness – (intramural funding AIIMS Jodhpur)
2. Non-invasive measurement of ICP through Point of care test (Optic Nerve Sheath Diameter and Transcranial Doppler) in children with Traumatic Brain Injury in Emergency. (Intramural funding AIIMS Jodhpur)

#### **As Co- Investigator:**

1. Role of POCUS in Dengue in emergency (Intramural)
2. Clinical profile of Children presenting with Respiratory Distress in Emergency at Tertiary care Center in Western Rajasthan (Intramural)
3. Clinico- microbiological spectrum of patients with suspected bacteremia presenting to emergency department in a tertiary care center hospital. (Intramural)
4. AR-VR based medical simulator – in collaboration with IIT Jodhpur (Extramural)
5. Availability of AED at Public places of Jodhpur- SPH , AIIMS Jodhpur (Intramural)

### **Scientific Awards/Patents:**

Following prizes are won at National level by Pediatric residents under guidance

1. 1<sup>st</sup> Prize Poster Presentation at National Pediatric Emergency Medicine conference Bangalore
2. 2<sup>nd</sup> Prize Oral Presentation at National Pediatric Emergency Medicine conference Bangalore
3. Effectiveness of the PECARN clinical decision rule in children with Minor Head Trauma at Tertiary care center in Western Rajasthan- Won 1<sup>st</sup> Prize as Poster presentation.

### **Examinership:**

1. As Examiner for DM Pediatric emergency medicine @ AIIMS Raipur, December 2023
2. As Examiner for Pediatric MD exam -at SN medical college Jodhpur Jan 2024

### **Membership/Post in Journal or Society or Association :**

1. General Secretary of IAP Chapter of Pediatric Emergency Medicine
2. Nominated as Executive member of PRERNI group (Pediatric resuscitation and emergency research Network, India)

### **National/International Conferences attended:**

1. World Trauma congress, Tokyo, 9<sup>th</sup> -12<sup>th</sup> August 2023
2. Pediatric Hematology Oncology Conference (PHOCON)- AIIMS Jodhpur 21<sup>st</sup> July 2023
3. Simulus 8 - National conference on health care simulation at AIIMS Kalyani -23<sup>rd</sup> -26<sup>th</sup> September 2023
4. Emergency Medicine Conference(EMCON) at Hyderabad 26<sup>th</sup> October 2023

5. Pediatric Trauma resuscitation Module NIHFWDelhi 8-10 Nov 2023
6. Tropocon 2023
7. PEDICON at Kochi, 24-28 Jan 2024
8. D-Hands on Workshop- February 2024
9. National Assembly on Pediatric Emergency Medicine(NAPEM) at Bangalore 29<sup>th</sup> Feb-3<sup>rd</sup> March 2024
10. Emergency Triage Assessment and Treatment(ETAT)- workshop Feb-March 2024
11. Pediatric Emergency Talk (PEP Talk) – Virtual platform
12. IAP PEM Monthly CME – as Speaker and Moderator

**Name of Faculty: Dr Rahul Choudhary**

**Designation: Additional Professor (Cardiology)**

**Papers Presented:**

1. Choudhary R. Electrocardiogram Parameters for Predicting the Severity of Coronary Artery Disease in Non-ST Segment Elevation Acute Coronary Syndrome. AHA Scientific session 2023: 12 Nov 2023, Philadelphia USA.
2. Choudhary R. Diagnostic accuracy of strain imaging echocardiography for predicting severity of CAD in NSTEMI. GULF PCR 2023, 6-7 Dec 2023 DUBAI
3. Choudhary R. Double CTO lesion in ACS presentation: Presented in GULF PCR 2023, 6-7 Dec 2023, DUBAI

**Sessions Chaired:**

1. Interesting cases of endocarditis, IDCON 2023; 6<sup>th</sup> May 2023, AIIMS, Jodhpur

**Invited Lectures**

1. Looking into a kid's heart. 2<sup>nd</sup> National Acute care Electrocardiographic symposium 2024; 27-28<sup>th</sup> Jan 2024, AIIMS, Raipur.

**Resource Faculty:**

1. Echocardiography Workshop. 2<sup>nd</sup> Joint Annual meeting of ISHR and IACS; 18 Feb 2024, AIIMS Jodhpur.
2. Joint secretary. 2<sup>nd</sup> Joint Annual meeting of ISHR and IACS 2024
3. Member of the organizing committee and scientific committee for 5<sup>TH</sup> CSI cardiac Prevent, 30 Sept-1 Oct 2023, Jaipur.
4. EVL. 7 (Endovascular Live) 10-12 Aug 2023. New Delhi

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. AI driven Robot assisted cardiac ultrasound System to acquire Clinically useful standard echocardiographic Views. Funding Agency: SERB

### **As Co-Investigator**

1. Effectiveness of Yoga based cardiac rehabilitation in heart failure: A randomized clinical trial (Yoga CaRe- HF Trial)
2. Treatment optimization for blood pressure with Single-Pill combination in India (TOPSPIN)
3. The Cardiovascular safety and efficacy of Cagrilintide 2.4 Mg S.C in combination with semaglutide 2.4 Mg S.C once weekly in participants with established cardiovascular disease.
4. HERMES: Effects of ziltivekimab versus placebo on morbidity and mortality in patients with heart failure with mildly reduced or preserved ejection fraction and systemic inflammation.
5. ICMR STEMI ACT study.

### **Completed:**

#### **As Principal Investigator**

1. A multicenter randomized double blind double dummy Phase III study to compare safety and efficacy of fixed dose combination of Aspirin 150 mg and Pantaprazole 20 mg versus Aspirin 150 mg alone for the prevention of gastroduodenal mucosal damage in patients taking aspirin for secondary prevention of cardiovascular disease or cerebrovascular disease.

### **Examinership**

1. Evaluation of DM Cardiology thesis. AIIMS Raipur. Dec 2023

### **National/ International Conferences attended:**

1. 2<sup>nd</sup> Joint Annual meeting of ISHR and IACS 2024
2. 5<sup>TH</sup> CSI cardiac Prevent, 30 Sept-1 Oct 2023, Jaipur.
3. EVL. 7 (Endovascular Live) 10-12 Aug 2023. New Delhi
4. AHA Scientific session Nov 2023, Philadelphia USA.
5. GULF PCR 2023, 6-7 Dec Dubai
6. IDCON 2023; 6<sup>th</sup> May 2023, AIIMS, Jodhpur
7. 2<sup>nd</sup> National Acute care Electrocardiographic symposium 2024; 27-28<sup>th</sup> Jan 2024, AIIMS, Raipur

### **Name of the Faculty - Dr Manisha Jhirwal**

#### **Designation- Associate professor**

### **Papers Presented:**

1. Danaram, Manisha Jhirwal, Garima Yadav, Pratibha Singh. Metastatic Gestational Choriocarcinoma with Obstructive Jaundice: A rare case report presented in 2<sup>nd</sup> RAJAGOI 29<sup>th</sup> & 30<sup>th</sup> April 2023 at Hotel royal orchid in Jaipur.

### **Sessions Chaired:**

1. "Barbed Suture in endoscopy" ENDOCRAFT2023 organized by Vasundhra Hospital on 15,16 July 2023 at Indiana Palace, Jodhpur.



2. Non infective hepatic disorder in pregnancy, FOGSI mega conclave “Infections in pregnancy” organized by HIV & AIDS committee Jaipur on 29<sup>th</sup> September to 1<sup>st</sup> October 2023 at the Rajasthan International Centre (RIC) Jaipur.

#### **Invited Lectures**

1. Moderated- Panel discussion on Recurrent Pregnancy Losses, ENDOCRAFT2023 organized by Vasundhra Hospital on 15,16 July 2023 at Indiana Palace, Jodhpur.
2. Panel discussion on Viral Hepatitis in pregnancy, FOGSI mega conclave “Infections in pregnancy” organized by HIV & AIDS committee Jaipur on 29<sup>th</sup> September to 1<sup>st</sup> October 2023 at the Rajasthan International Centre (RIC) Jaipur.
3. Moderated - Panel discussion on CIN, FOGSI mega conclave “Infections in pregnancy” organized by HIV & AIDS committee Jaipur on 29<sup>th</sup> September to 1<sup>st</sup> October 2023 at the Rajasthan International Centre (RIC) Jaipur.

#### **Workshops/ Conferences Organized**

1. Organized public awareness program on World Trauma Day: Road Safety organized by the Department of Trauma & Emergency at AIIMS Jodhpur on 17/10/24.

#### **Resource Faculty:**

1. Workshop on Compression Maneuvres, ESM UBT & NASG in critical care obstetrics, ICCOB 2023 FOGSI International conference on Critical Care Obstetrics on 1-2 December 2023 organized by Bhagalpur Obstetrics & Gynecology Society, Bhagalpur, Bihar.

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

1. Correlation of maternal and fetal serum Orexin A level with insulin resistance in GDM patients, ICMR.
2. Transitioning from academia to the health care workforce: Intern's Feedback
3. Q SOFA Score and APACHE II Score as prognostic marker for obstetric patients requiring intensive care unit in a tertiary care centre: An Ambispective Study.
4. Awareness and misconceptions about contraception in post-partum period in a tertiary care centre in north India: A cross section study.

##### **As Co-Investigator**

1. Expression and association of microRNAs (miR-424 & miR-519d) in pregnancies complicated by fetal growth restriction via KLF 6 and MT1-MMP (MMP-14) pathways. ICMR.
2. Comparison and assessment of performance of PREP-S, PIER-L, fullPIERS and mini-PIERS risk prediction model in patients of pre-eclampsia for predicting adverse maternal and fetal outcomes. ICMR
3. Maternal and neonatal outcome and multidisciplinary management of Placenta Accreta Spectrum (PAS) within a single tertiary centre.
4. Surgical and Pathologic outcomes of Laparoscopic Pelvic Lymph Node Dissection for Female Genital Tract Malignancies.

5. To evaluate the accuracy of hysterosalpingography (HSG) in predicting tubal blockage in infertile patients.
6. Level of complacency on both ends in a telemedicine clinic.

**Completed:**

**As Co-Investigator**

1. To evaluate the accuracy of hysterosalpingography (HSG) in predicting tubal blockage in infertile patients. Non funded.
2. Level of complacency on both ends in a telemedicine clinic. Non funded.

**Scientific Awards/Patents**

1. ICOG certified course on Emergency Obstetrics organized by Delhi Gynae forum and VMMC & Safdarjung hospital on 26<sup>th</sup> March 2024 to 28<sup>th</sup> March 2024.

**Examinership**

1. External examiner in Practical examination, final professional MBBS at VMMC & Safdarjung Delhi from 12/02/24-17/02/24.
2. External examiner in Practical examination, final professional MBBS at VMMC & Safdarjung Delhi on 15/04/24.

**Membership/Post in Journal or Society or Association**

1. Membership of Federation of Obstetricians and Gynecologists of India (FOGSI)
2. Member of Indian Fertility Society (IFS)
3. Member of Society of Fetal Medicine (SFM)
4. Member of Association of Minimal Access Surgeons of India (AMASI)
5. Member of Association of Obstetrics & Gynecologist of Delhi (AOGD)
6. Member of Indian Society of Assisted Reproduction (ISAR)

**National/ International Conferences attended:**

1. ENDOCRAFT2023 organized by Vasundhara Hospital at Indana Palace, Jodhpur, on 15,16 July 2023.
2. FOGSI mega conclave "Infections in pregnancy" organized by HIV & AIDS committee Jaipur at the Rajasthan International Centre (RIC) Jaipur on 29<sup>th</sup> September to 1<sup>st</sup> October 2023.
3. ICCOB 2023 FOGSI International conference on Critical Care Obstetrics organized by Bhagalpur Obstetrics & Gynecology Society at Hotel Vaibhav, on 1-2 December 2023.

**Name of Faculty: Dr. Raghavendra Kumar Sharma**

**Designation: Assistant Professor**

**Sessions Chaired:**

2. ISPNSCON Raipur on 12<sup>th</sup> 13<sup>th</sup> Jan 2024

2. 26<sup>th</sup> Annual Conference of Neuro-Spinal Surgeons Association of India (NSSA Spine 2023) on 12<sup>th</sup> 18<sup>th</sup> Sep 2023 held at AIIMS New Delhi
3. NICE LIVE 2023 on 26<sup>th</sup> 30<sup>th</sup> April 2023 at AIIMS New Delhi

#### **Invited Lectures**

1. Lecture on “Antiepileptic prophylaxis for post traumatic seizures” presented at NSICON 2023 on 13<sup>th</sup> 17<sup>th</sup> Dec 2023 at Bhubaneswar.
2. Lecture on “Neurotrauma & its management related treatment in newer researchers”, presented during ANTC at Jaipur 4<sup>th</sup> to 6<sup>th</sup> Aug 2023.

#### **Resource Faculty:**

1. 26<sup>th</sup> AIIMS Annual Micro Neurosurgery Delhi Workshop on 7<sup>th</sup> 10<sup>th</sup> Feb 2024
2. NEUROTRAUMA 2023 at Jaipur from 3<sup>rd</sup> to 7<sup>th</sup> Aug 2023

#### **National/ International Conferences attended:**

1. 6<sup>th</sup> Annual Congress of Society of Neuro Vascular Interventions SNVICON 2023, on 6<sup>th</sup> 8<sup>th</sup> Oct 2023 at Chennai
2. 26<sup>th</sup> AIIMS Annual Micro Neurosurgery Delhi Workshop on 7<sup>th</sup> 10<sup>th</sup> Feb 2024
3. NEUROTRAUMA 2023 at Jaipur from 3<sup>rd</sup> to 7<sup>th</sup> Aug 2023
4. ISPNSCON Raipur on 12<sup>th</sup> 13<sup>th</sup> Jan 2024
5. 26<sup>th</sup> Annual Conference of Neuro-Spinal Surgeons Association of India (NSSA Spine 2023) on 12<sup>th</sup> 18<sup>th</sup> Sep 2023 held at AIIMS New Delhi
6. NICE LIVE 2023 on 26<sup>th</sup> 30<sup>th</sup> April 2023 at AIIMS New Delhi

#### **Name of the Faculty – Dr. Amit Kumar Rohila**

#### **Designation – Assistant Professor**

#### **Invited lectures-**

1. Speaker in RSSDI, March 2024, Pali, Ranakpur – Infections in Diabetes.
2. Speaker in Emergency Medicine Conference August 2023, Pune. - Acute dyspnea in Emergency with bilateral diffuse shredding on lung ultrasound - Think before you miss a potentially treatable life-threatening condition.

#### **Resource faculty-**

1. BLS/ACLS Instructor - Training of Doctors at Ananta Medical College, Udaipur from 3<sup>rd</sup> to 5<sup>th</sup> November as an Instructor under ITC AIIMS, Jodhpur
2. BLS/ACLS instructor at AIIMS Jodhpur from 7<sup>th</sup> to 9<sup>th</sup> December.

#### **Sessions Chaired-**

1. Moderated a session at EMINDIA Conference – 23<sup>rd</sup> August 2023
2. Chairperson at ASPICON, AIIMS Jodhpur – 1<sup>st</sup> October 2023

**Research Project-****Ongoing****Co-investigator –**

1. Trauma Quality Improvement Programme.
2. Clinical profile and outcomes of snakebite envenoming patients presenting to AIIMS Jodhpur.
3. Implementation of AMSP in various tertiary care centers across India.
4. Effect of COVID-19 vaccine on thrombotic events among 18–45-year-old population in India, 2022: Multicentric hospital-based matched case-control study".
5. Factors associated with sudden deaths among adults aged 18–45 years, India: Multicentric matched case-control study".

**Conferences attended:**

1. Emergency Medicine Conference India, Pune – 23<sup>rd</sup> to 27<sup>th</sup> August 2023
2. ASPICON AIIMS Jodhpur- 29<sup>th</sup> September to 1<sup>st</sup> October
3. IDCON, AIIMS Jodhpur – 6<sup>th</sup> May 2023
4. RSSDI Ranakpur, Pali – 15<sup>th</sup> to 16<sup>th</sup> March 2024
5. Trauma quality improvement program (TQPI) Workshop, AIIMS New Delhi – 28-30<sup>th</sup> March

**Name of Faculty: Dr. Laxman Choudhary****Designation: Assistant Professor****Resource Faculty:**

1. Attended as Faculty "ICS Regional Meet, AIIMS Jodhpur on 23<sup>th</sup> March, 2024.

**Research Project:****Ongoing****As Co- Investigator:**

1. Cemented versus uncemented total hip arthroplasty in elderly- A propensity score matched retrospective comparative study.
2. Ecological burden of total and partial knee replacement in osteoarthritis knee at a tertiary care centre.
3. Assessment of clinicoradiological outcome and rotator cuff muscle strength in surgically treated scapula fracture patients.
4. Evaluation of musculoskeletal complaint in COVID 19 patients after recovery.
5. Comparison of human umbilical cord derived versus adipose tissue derived mesenchymal stem cell intra articular injection for knee osteoarthritis- A Genuine step toward empowering geriatric ambulatory ICMR inclusive health.
6. Effect of spinopelvic parameter on outcome of lumbar decompression surgery – A clinicoradiological study

**Conferences attended:**

1. "ICS Regional Meet, AIIMS Jodhpur on 23<sup>th</sup> March, 2024.
2. 2<sup>nd</sup> Rajasthan spine course Jodhpur 6<sup>th</sup> & 7<sup>th</sup> April, 2024.
3. E3 knee arthroplasty course, 23<sup>rd</sup> June, Jodhpur.

**Name of faculty – Dr. Rohit Kumar Rai**

**Designation – Assistant Professor**

**Published Papers**

1. Shilpi Karmakar, Rohit Kumar Rai, Gulab Dhar Yadav, Pawan Kumar Singh Vijay Kumar, High-voltage Electric Burns: Experience from a Single Centre in North India, Clinical Journal of Plastic & Reconstruction Surgery 2023, Vol 1,37-44

## Department of Urology

S. No.	Name	Designation
1	Dr Arjun Singh Sandhu	Professor and Head
2	Dr Gautam Ram Choudhary	Additional Professor
3	Dr Mahendra Singh	Associate Professor
4	Dr Shiv Charan Navriya	Associate Professor
5	Dr Deepak Prakash Bhirud	Assistant Professor

### Introduction

The Urology Department at AIIMS Jodhpur was established on April 27, 2016. Since its inception, the department has demonstrated exceptional growth and a steadfast commitment to excellence in patient care, research, and education. Led by a team of highly skilled urologists, residents, nurses, and support staff, the department offers comprehensive urological services, leveraging advanced technology and evidence-based practices.

A wide spectrum of urological surgeries are performed here, encompassing endo-urology, uro-oncology, reconstructive urology, andrology, female urology, robotic surgery, and renal transplantation. The department caters to a growing number of patients not only from Jodhpur and neighboring districts but also from other states. Currently chaired by Prof. AS Sandhu, the department boasts a team of four other esteemed senior faculties, all trained in premier Indian institutes.

To date, the department has graduated four batches of postgraduates and currently oversees training for 12 senior residents pursuing M.Ch. degrees. The faculty's dedication to knowledge dissemination and expertise has earned widespread recognition in the medical community. Notably, the department has achieved 46 successful live related renal transplants and conducted over 400 robotic surgeries. This year alone, it has published more than 30 articles in PubMed-indexed journals, delivered over 20 presentations at national conferences, and received numerous national and international fellowships and awards.

The department maintains a robust academic program with regular teaching sessions including seminars, journal clubs, interdepartmental discussions, case presentations, and grand rounds. It ensures continuous patient care through regular outpatient clinics, in-patient admissions, ESWL services, UDS lab, minor and major OT services, and emergency care.

The vision of the department is to deliver world-class urological care, advance cutting-edge research, and provide comprehensive training to future medical professionals.

### Compiled list of Publications of the department

#### PubMed Indexed:

1. Aggarwal A, Singh M, Choudhary GR, Singh V, Singh Sandhu A, Prakash Bhirud D, et al. Quadrifecta outcomes and their predictors following robotic radical prostatectomy: a study of newly established robotic center in India. J Robot Surg. 2023 Oct;17(5):2271-2277. doi: 10.1007/s11701-023-01622-x. Epub 2023 Jun 13. PMID: 37310526.
2. Gupta P, Sarangi SS, Singh M, Pandey H, Choudhary GR, Madduri VKS, et al. To determine correlation between VIRADS scoring and pathological staging in bladder cancer: A prospective study

- and review of literature. *Urologia*. 2023 Aug;90(3):476-481. doi: 10.1177/03915603231151738. Epub 2023 Feb 27. PMID: 36847430.
3. Jena R, Bhargava P, Tripathi S, Taywade S, Yadav T, Sandhu AS, et al. 18F-fluoro-2-deoxy-2-d-glucose PET-CT (FDG PET-CT) in staging of high-risk renal and urothelial bladder cancers (COPPER-T) trial protocol. *BJUI Compass*. 2023; 4(6): 662–667. <https://doi.org/10.1002/bco2.246>
  4. Singh V, Sarangi SS, Bhirud DP, Sharma K, Tripathi SS, Choudhary GR, et al. Assessing pentafecta outcomes post radical cystectomy: A tertiary care center study. *Urologia*. 2023 Sep 29;3915603231204080. doi: 10.1177/03915603231204080. Epub ahead of print. PMID: 37776027.
  5. Shrivastava N, Jena R, Choudhary GR, Bhargava P, Vishwajeet V, Elhence P, et al. Correlation between androgen and estrogen receptor expression and clinicopathologic features in carcinoma urinary bladder. *J Cancer Res Clin Oncol*. 2023 Nov;149(17):15795-15804. doi: 10.1007/s00432-023-05348-z. Epub 2023 Sep 5. PMID: 37668795.
  6. Shrivastava N, Jena R, Bhirud DP, Singh M, Choudhary GR, Sandhu AS. Analysis of urethral stricture score and patient-related factors as predictors of outcomes following oral mucosal graft urethroplasty. *Asian Journal of Urology*; 2023; <https://doi.org/10.1016/j.ajur.2023.04.002>.
  7. Aggarwal A, Choudhary GR, Jena R. Generalized papular eruption-an unusual side effect of leuprolide acetate. *Postgrad Med J*. 2023 Oct 19;99(1177):1212-1213. doi: 10.1093/postmj/qgad065. PMID: 37544662.
  8. Jena, R., Choudhary, G.R. Management. In: Singh, P., Nayak, B., Panaiyadiyan, S. (eds) *A Guide to Management of Urological Cancers*. Springer, Singapore. 2023; [https://doi.org/10.1007/978-981-99-2341-0\\_8](https://doi.org/10.1007/978-981-99-2341-0_8)
  9. Sarangi SS, Bhirud DP, Sandhu AS, Aggarwal A, Singh M, Navriya SC, et al. Post-operative chyle leak following nephrectomy: Inference from tertiary care center and review of literature. *Urologia*. 2023 Aug 31;3915603231193189. doi: 10.1177/03915603231193189. Epub ahead of print. PMID: 37650375.
  10. Shrivastava N, Bhargava P, Choudhary GR. Endourological management of ureteric stump syndrome. *BMJ Case Rep*. 2023 Sep 18;16(9):e255126. doi: 10.1136/bcr-2023-255126. PMID: 37723093; PMCID: PMC10510858.
  11. Navriya SC, Singh V, Choudhary GR, Tripathi S. Postradical cystectomy delayed urethral recurrence: a rare presentation posing diagnostic dilemma. *BMJ Case Rep*. 2023 Dec 12;16(12):e256700. doi: 10.1136/bcr-2023-256700. PMID: 38086572; PMCID: PMC10728915.
  12. Bhargava P, Kudunthail J, Choudhary GR, Navriya SC. Retained foreign body post-PCNL: an unusual complication and endoscopic management. *BMJ Case Rep*. 2023 Dec 21;16(12):e256581. doi: 10.1136/bcr-2023-256581. PMID: 38129093; PMCID: PMC10749127.
  13. Soudamini AB, Nalwa A, Choudhary GR, Bharti JN, Rao M, et al. Human epidermal growth factor receptor 2/neu expression in urothelial carcinomas. *Indian Journal of Urology* 40(1):p 44-48, Jan–Mar 2024. | DOI: 10.4103/iju.iju\_287\_23
  14. Sarangi SS, Bhirud DP, Navriya SC, Sandhu AS. A rare case of air cysto-uretero-pyelogram due to emphysematous cystitis. *Indian J Urol*. 2023 Apr-Jun;39(2):169-170. doi: 10.4103/iju.iju\_48\_23. Epub 2023 Mar 31. PMID: 37304982; PMCID: PMC10249520.
  15. Madhavan K, Jena R, Bhargava P, Pradhan A, Bhandari M. Comparison of outcomes after open versus robotic kidney transplantation: A systematic review and meta-analysis. *Indian J Urol*. 2023 Jul-Sep;39(3):186-194. doi: 10.4103/iju.iju\_390\_22. Epub 2023 Jun 30. PMID: 37575161; PMCID: PMC10419774.

16. Singh V, Sharma K, Choudhary GR, Singh M, Tripathi SS, Bhirud DP, et al. Correlation of urinary continence recovery with various factors after Robot assisted radical prostatectomy. *Urologia*. 2024 Feb;91(1):141-146. doi: 10.1177/03915603231191269. Epub 2023 Aug 26. PMID: 37632409.
17. Bhirud DP, Aggarwal A, Tripathi S, Singh V, Singh M, Sandhu AS. Nimesulide-induced severe leukocytoclastic vasculitis leading to penile and limb gangrene: a case report. *Postgrad Med J*. 2023 Oct 19;99(1177):1210-1211. doi: 10.1093/postmj/qgad066. PMID: 37540218.
18. Aggarwal A, Choudhary GR, Jena R. Generalized papular eruption-an unusual side effect of leuprolide acetate. *Postgrad Med J*. 2023 Oct 19;99(1177):1212-1213. doi: 10.1093/postmj/qgad065. PMID: 37544662.
19. Shrivastava N, Sarangi SS, Tripathi S, Bhargava P, Bhirud DP, Jena R. Bladder diary for illiterates: A novel method. *Urologia*. 2023 Nov;90(4):748-756. doi: 10.1177/03915603231187684. Epub 2023 Jul 20. PMID: 37470311.
20. Kudunthail JR, Sandhu AS, Nalwa A, Bhirud DP. Primary amelanotic malignant melanoma masquerading as adenocarcinoma prostate - A pathological dilemma. *Indian J Urol*. 2023 Oct-Dec;39(4):325-327. doi: 10.4103/iju.iju\_178\_23. Epub 2023 Sep 29. PMID: 38077197; PMCID: PMC10704966.
21. Bhirud DP. Post hoc analysis of CheckMate 274 trial for programmed death-ligand 1 expression and outcome. *Indian J Urol*. 2023 Oct-Dec;39(4):335-336. doi: 10.4103/iju.iju\_172\_23. Epub 2023 Sep 29. PMID: 38077198; PMCID: PMC10704977.
22. Agrawal N, Tripathi S, Kathuria P, Shekhar S, Bhirud DP, Yadav T, et al. Large Urethral Diverticular Calculus Clinically Mimicking a Metastatic Deposit in a Case of Ovarian Mass. *J Obstet Gynaecol India*. 2023 Dec;73(Suppl 2):304-307. doi: 10.1007/s13224-023-01824-1. Epub 2023 Oct 6. PMID: 38143995; PMCID: PMC10746684.
23. Madhavan K, Jena R, Marathi VR, Kaushal D, Deen S, Rustagi S, et al. Does Radical Local Treatment in Oligometastatic Prostate Cancer Improve Overall Survival: A Systematic Review and Meta-analysis. *Urology*. 2023 Dec;182:5-13. doi: 10.1016/j.urology.2023.09.014. Epub 2023 Sep 27. PMID: 37774847.
24. Choudhary GR, Jain J. Contemporary issues in partial nephrectomy. In Ghose A. *UroCancer Clinics of India*, 1<sup>st</sup>. India: Wolters Kluwer – Medknow; 2023. [43-47].
25. Bhandari M, Tyagi V, Choudhary GR, Nguyen R, Rahman A, Martin K, et al. *AUA news*, 2023 Nov.
26. Nandagopal S, Choudhary G, Sankanagoudar S, Banerjee M, Elhence P, Jena R, et al. Expression of stem cell markers as predictors of therapeutic response in metastatic prostate cancer patients. *Urol Oncol*. 2024 Mar;42(3):68.e21-68.e31. doi: 10.1016/j.urolonc.2023.12.012. Epub 2024 Jan 25. PMID: 38278632.
27. Shrivastava N, Bhargava P, Sharma G, Choudhary GR. Transperitoneal versus retroperitoneal robot-assisted partial nephrectomy: a systematic review and meta-analysis. *World J Urol*. 2024 Feb 15;42(1):83. doi: 10.1007/s00345-024-04796-7. PMID: 38358565.
28. Vishwajeet V, Nalwa A, Jangid MK, Choudhary GR, Khera P, Bajpai N, et al. Renal Allograft Malakoplakia Presenting as a Pseudotumoral Lesion. *Saudi J Kidney Dis Transpl*. 2023 Jul 1;34(4):371-377. doi: 10.4103/1319-2442.395454. Epub 2024 Feb 12. PMID: 38345593.
29. Majeed, AK., Yadav, OK, Taywade S, Kumar R, Sandhu AS et. Precise Localization of Urine Leak After Renal Transplantation on Radionuclide Renography: Added Value of the Unclamped Drainage Tube and SPECT-CT. *Nucl Med Mol Imaging* (2024). <https://doi.org/10.1007/s13139-024-00855-4>.



30. Singh V, Yadav Ok, Sandhu AS, Singh M, Bhirud DP, Tripathi S, et al. Genitourinary Fistula: epidemiology, changing trends in etiology and management: A tertiary care institute's perspective. *Urologia*. 2024 Mar 18;3915603241238597. doi: 10.1177/03915603241238597. Epub ahead of print. PMID: 38497528.
31. Tripathi S, Bhirud DP, Singh M, Singh V, Choudhary GR, Navriya S, et al. Early port site and peritoneal metastasis following robot-assisted radical cystectomy: a rare case report. *J Cancer Res Clin Oncol*. 2024 Jan 25;150(2):32. doi: 10.1007/s00432-023-05562-9. PMID: 38270652; PMCID: PMC10811027.
32. Bhirud DP, Tripathi SS, Aggarwal A, Singh M. Incidental detection of rare vascular variation during pyeloplasty and its clinical implication - A case report. *J Minim Access Surg*. 2024 Feb 9. doi: 10.4103/jmas.jmas\_154\_23. Epub ahead of print. PMID: 38340080.
33. Shrivastava N, Bhargava P, Jain P, Choudhary GR, Jena R, Singh M, et al. Robot-assisted ureteric reconstructive surgeries for benign diseases: Initial single-center experience with point of technique. *Urologia*. 2024 Feb 12;3915603241229144. doi: 10.1177/03915603241229144. Epub ahead of print. PMID: 38345047.

**Name of Faculty: Dr A S Sandhu**

**Designation: Professor and Head**

**Papers Presented:**

1. Presenter Dr. Deepak Prakash Bhirud, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Shashank Shekhar Tripathi, Dr. Amit Aggarwal, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya "a video abstract at Society of Robotic Surgery (SRS) conference" held at Melbourne convention centre, Melbourne, Australia on 24 to 26 July 2023.
2. Presenter Dr. Vikram Singh, Dr. Deepak Prakash Bhirud, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya "Extrarenal calyces in a pelvic kidney with UPJ obstruction in an adult male" at 20<sup>th</sup> UAA 2023, Dubai on September 2023.
3. Presenter Dr. Vikram Singh, Dr. Deepak Prakash Bhirud, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya "Arterio-Venous Fistula in functional Motor Disability" at 20<sup>th</sup> UAA 2023, Dubai on September 2023.
4. Presenter Dr. Vikram Singh, Dr. Deepak Prakash Bhirud, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya "Evaluation of Urinary Continence after Robotic assisted Radical Prostatectomy: A tertiary care centre experience" at 20<sup>th</sup> UAA 2023, Dubai on September 2023.
5. Presenter Dr. Vikram Singh, Dr. Deepak Prakash Bhirud, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya "Laparoscopic VVF repair by Limited transverse cystostomy technique" at 20<sup>th</sup> UAA 2023, Dubai on September 2023.
6. Presenter Dr. Vikram Singh, Dr. Deepak Prakash Bhirud, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya "Assessing Pentapecta Outcomes post Radical cystectomy: A tertiary care centre study" in USICON 2024 at Samrat Ashoka Convention Centre and Bapu Sabhagar, North of Gandhi maidan, Patna, Bihar on 2<sup>nd</sup> February 2024.
7. Presenter Dr. Vikram Singh, Dr Arjun Singh Sandhu ,Dr Gautam Ram Choudhary, Dr Shiv Charan, Navriya, Dr Mahendra Singh, Dr Deepak Prakash Bhirud, Dr Rahul Jena "Correlation of urinary continence recovery with various factors after Robot assisted radical prostatectomy" in URO-ONCOCON 2023 At Hotel Pullman Novotel Complex Aerocity Delhi on 9-10 June 2023.

8. Presenter Dr. Vikram Singh, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Deepak Prakash Bhirud, Dr. Shiv Charan Navriya, Dr. Gautam Ram Choudhary, Dr. Rahul Jena "Genitourinary Fistulae: Changing trends in Etiology and Management: A tertiary care institute's perspective" in USICON 2024 at Samrat Ashoka Convention Centre and Bapu Sabhagar, North of Gandhi maidan, Patna, Bihar on 2<sup>nd</sup> February 2024.
9. Presenter Dr. Priyank Bhargav, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Deepak Prakash Bhirud, Dr. Shiv Charan Navriya, Dr. Gautam Ram Choudhary, Dr. Rahul Jena "Comparison of transperitoneal vs retroperitoneal Robot assisted Partial nephrectomy – a systematic review and meta-analysis" in URO-ONCOCON 2023 At Hotal Pullman Novotel Complex Aerocity Delhi on 9-10 June 2023.
10. Presenter Dr. Priyank Bhargava, Dr. Deepak Prakash Bhirud, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya "The not so simple laparoscopic nephrectomy: experience from a tertiary care center" at 20<sup>th</sup> UAA 2023, Dubai on September 2023.
11. Presenter Dr. Priyank Bhargava, Dr. Deepak Prakash Bhirud, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya "Robot assisted upper urinary tract reconstruction for benign diseases: initial single center experience" in USICON 2024 at Samrat Ashoka Convention Centre and Bapu Sabhagar, North of Gandhi maidan, Patna, Bihar on 2<sup>nd</sup> February 2024.
12. Presenter Dr. Jeena Raju Kudunthail, Dr. Kartik Sharma, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Deepak Prakash Bhirud "Robot Assisted Complex Prostatic Urethrocuteaneous Fistula Excision" in NZUSICON 2023 at Hotel Taj Ganges, Varanasi on 27 Oct. 2023.
13. Presenter Dr. Jeena Raju Kudunthail, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya, Dr. Vijay Madduri, Dr. Arjun Singh Sandhu, Dr. Mahendra Singh, Dr. Deepak Prakash Bhirud "Ecdysis of Guide Wire Jacket - An unusual complication post Percutaneous Nephrolithotomy and its Endoscopic Management" in NZUSICON 2023 Hotel Taj Ganges, Varanasi on 27 Oct. 2023.
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15. Presenter Dr. Kartik Sharma, Dr. Deepak Prakash Bhirud, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya "Outcome of Transrectal Ultrasound guided (TRUS) prostate biopsy for detection of prostate cancer: Inference from tertiary care centre" in NZUSICON 2023 Hotel Taj Ganges, Varanasi on 27 Oct. 2023.
16. Presenter Dr. Vikram Singh, Dr. Arjun Singh Sandhu, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya, Dr. Mahendra Singh, Dr. Deepak Prakash Bhirud, Dr. Rahul Jena "Correlation of urinary continence recovery with various factors after Robot assisted radical prostatectomy" in URO-ONCOCON 2023 At Hotal Pullman Novotel Complex Aerocity Delhi on 9-10 June 2023.
17. Presenter Dr. Om Kumar Yadav, Dr. Deepak Prakash Bhirud, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Shiv Charan Navriya, Dr. Gautam Ram Choudhary "Large Vessel Thrombosis In Urology Patients: Experience At Tertiary Care Centre" at 20<sup>th</sup> UAA 2023, Dubai on September 2023.
18. Presenter Dr. Om Kumar Yadav, Dr. Deepak Prakash Bhirud, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Shiv Charan Navriya, Dr. Gautam Ram Choudhary "Outcomes and predictive factors of recurrence after endoscopic management of USD at a tertiary care centre" in USICON 2024 at Samrat Ashoka Convention Centre and Bapu Sabhagar, North of Gandhi maidan, Patna, Bihar on 2<sup>nd</sup> February 2024.

19. Presenter Dr. Om Kumar Yadav, Dr Arjun Singh Sandhu, Dr Mahendra Singh, Dr Deepak Prakash Bhirud, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya, Dr. Jaydeep Jain "Post ESWL Emphysematous Pyelonephritis: A Rare but Serious Complication" in NZUSICON 2023 Hotel Taj Ganges, Varanasi on 27 Oct. 2023.
20. Presenter Dr. Om Kumar Yadav, Dr. Jaydeep Jain, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Deepak Prakash Bhirud, Dr. Shiv Charan Navriya, Dr. Gautam Ram Choudhary "Renal mucormycosis presenting as Renal Artery Thrombosis in immunocompromised patients: A Case Series" in NZUSICON 2023 at Hotel Taj Ganges, Varanasi on 27 Oct. 2023.

#### **Sessions Chaired:**

1. Faculty 1st Annual Meeting of Uro-oncology section of USICON 09-10 Jun 2023
2. Panelist in 'BEP-case based discussion' RUSCON 2023 17 Sep 2023
3. Faculty and speaker in cadaver organ retrieval workshop held on 15 Mar 2024 at AIIMS Jodhpur

#### **Invited Lectures:**

1. Speaker in 'Steps of Kidney Retrieval and Packing' faculty and speaker in cadaver organ retrieval workshop 15 Mar 24 at AIIMS Jodhpur.
2. Panelist in Organ Donation Day at IIT Jodhpur on 03 April 2023
3. Co-patron and organizer of 'Hands on Workshop on Endourology Nursing Skills' at AIIMS Jodhpur on 07 Oct 23
4. Organizer of 'Organ Donation Awareness and Pledge Program' at AIIMS Jodhpur on 22 Sep 23
5. Patron and faculty RUSCON 16-17 Sep 23

#### **Resource Faculty:**

1. Reviewer for BMC Urology
2. Chairman Operation Theatre Committee and In-charge CSSD.
3. Chairman Robotic Committee.
4. Chairman Deceased Organ Donation and Transplantation Committee.
5. Chairman House Allotment Committee.
6. Chairman review committee for document verification for ongoing recruitment.
7. Chairman Space Allotment Committee.
8. Chairman committee for establishing HLA lab.

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

1. Comparison of monopolar vs bipolar access techniques in treatment of renal stones with standard percutaneous nephrolithotomy
2. Transvaginal natural orifice specimen extraction surgery (NOSES) in Nephrectomy
3. Clinicopathological correlation between consumption of mucosal irritants and outcomes of buccal mucosal graft urethroplasty for stricture urethra.

##### **As Co-Investigator**

1. Fluoro-deoxy-glucose positron emission tomography computed tomography (FDG PET-CT) in the staging of high-risk urothelial and renal malignancies.
2. Factors predicting renal function recovery, post urinary diversion in patients with acute obstructive uropathy
3. Impact of video demonstration of procedure in patient satisfaction in patient undergoing percutaneous nephrolithotomy for renal disease: randomized control trail
4. Prospective study to detect antibiotic susceptibility from urine samples in patients with urinary tract infection using auto-fluorescence imaging technique: a pilot study
5. Observational retrospective and prospective study to audit of patient characteristics and surgical practices for management of bladder outlet obstruction (BOO) due to benign enlargement of prostate (BEP) among Indian population
6. Assessment of dietary factors, and co-relation of genetic and metabolic abnormalities in children with renal stones in Western India

### **Examinership**

1. External Examiner for MCh Urology examination at AIIMS New Delhi in 11 Dec 2023
2. External Examiner for Fellowship in Minimally Invasive Urology (Laparoscopic and Robotic) at AIIMS New Delhi on 09 Dec 2023
3. Internal Examiner and Chairperson for MCh Urology on 11 May 2024 at AIIMS Jodhpur

### **National/ International Conferences attended:**

1. USICON organized by Urological Society of India 02-05 Feb 2023 Gurugram
2. 32nd NZUSICON 2022 held on 28-30 October 2022 at Bikaner

**Name of Faculty: Dr Gautam Ram Choudhary**

**Designation: Additional Professor**

### **Papers Presented:**

1. Presenter Dr. Jaydeep Jain, Dr. Deepak Prakash Bhirud, Dr. Shiv Charan Navriya, Dr. Gautam Ram Choudhary "Squamous Cell Carcinoma Masquerading as Urethral Stricture disease in a patient with watering can Perineum: A rare but serious consequence" in USICON 2024 at Samrat Ashoka Convention Centre and Bapu Sabhagar, North of Gandhi maidan, Patna, Bihar on 2<sup>nd</sup> February 2024.
2. Presenter Dr. Jaydeep Jain, Dr. Mahendra Singh, Dr. A S Sandhu, Dr. Deepak Prakash Bhirud, Dr. Shiv Charan Navriya, Dr. Gautam Ram Choudhary "Minimally Invasive Pyeloplasty: Robotic VS 2D VS 3D Laparoscopic: Our experience at a tertiary care centre" in USICON 2024 at Samrat Ashoka Convention Centre and Bapu Sabhagar, North of Gandhi maidan, Patna, Bihar on 2<sup>nd</sup> February 2024.
3. Presenter Dr. Vikram Singh, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Deepak Prakash Bhirud, Dr. Shiv Charan Navriya, Dr. Gautam Ram Choudhary, Dr. Rahul Jena "Genitourinary Fistulae: Changing trends in Etiology and Management: A tertiary care institute's perspective" in USICON 2024 at Samrat Ashoka Convention Centre and Bapu Sabhagar, North of Gandhi maidan, Patna, Bihar on 2<sup>nd</sup> February 2024.
4. Presenter Dr. Vikram Singh, Dr. Mahendra Singh, Dr. A S Sandhu, Dr. Deepak Prakash Bhirud, Dr. Shiv Charan Navriya, Dr. Gautam Ram Choudhary "Comparative analysis of pyeloplasty outcomes in patients with poorly functioning kidney : a study of two cohorts" in USICON2024 at Samrat Ashoka Convention Centre and Bapu Sabhagar, North of Gandhi maidan, Patna, Bihar on 2<sup>nd</sup> February 2024.

5. Presenter Dr. Om Kumar Yadav, Dr. Jaydeep Jain, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Deepak Prakash Bhirud, Dr. Shiv Charan Navriya, Dr. Gautam Ram Choudhary "Renal mucormycosis presenting as Renal Artery Thrombosis in immunocompromised patients: A Case Series" in NZUSICON 2023 at Hotel Taj Ganges, Varanasi on 27 Oct. 2023.
6. Presenter Dr. Jeena Raju Kudunthail, Dr. Kartik Sharma, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Deepak Prakash Bhirud "Robot Assisted Complex Prostatic Urethrocuteaneous Fistula Excision" in NZUSICON 2023 at Hotel Taj Ganges, Varanasi on 27 Oct. 2023.
7. Presenter Dr. Jaydeep Jain, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya, Dr. Rahul Jena, Dr. Mahendra Singh, Dr. A S Sandhu, Dr. Deepak Prakash Bhirud "18F-fluoro-2-deoxy-2-d-glucose PET-CT (FDG PET-CT) in staging of high-risk renal and urothelial bladder cancers (COPPER-T) trial" in NZUSICON 2023 Hotel Taj Ganges, Varanasi on 27 Oct. 2023.
8. Presenter Dr. Kartik Sharma, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya "Miraculous Response of Neoadjuvant Chemotherapy in Case of High Grade Upper Tract Transitional Cell Carcinoma" NZUSICON 2023 Hotel Taj Ganges, Varanasi on 27 Oct. 2023.
9. Presenter Dr. Kartik Sharma, Dr. Deepak Prakash Bhirud, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya "Outcome of Transrectal Ultrasound guided (TRUS) prostate biopsy for detection of prostate cancer: Inference from tertiary care centre" in NZUSICON 2023 Hotel Taj Ganges, Varanasi on 27 Oct. 2023.
10. Presenter Dr. Vikram Singh, Dr Arjun Singh Sandhu, Dr Gautam Ram Choudhary, Dr Shiv Charan, Navriya, Dr Mahendra Singh, Dr Deepak Prakash Bhirud, Dr Rahul Jena "Correlation of urinary continence recovery with various factors after Robot assisted radical prostatectomy" in URO-ONCOCON 2023 At Hotel Pullman Novotel Complex Aerocity Delhi on 9-10 June 2023.
11. Presenter Dr. Jeena Raju Kudunthail, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya, Dr Vijay Madduri, Dr Arjun Singh Sandhu, Dr Mahendra Singh, Dr Deepak Prakash Bhirud "Ecdysis of Guide Wire Jacket - An unusual complication post Percutaneous Nephrolithotomy and its Endoscopic Management" in NZUSICON 2023 Hotel Taj Ganges, Varanasi on 27 Oct. 2023.
12. Presenter Dr. Om Kumar Yadav, Dr Arjun Singh Sandhu, Dr Mahendra Singh, Dr Deepak Prakash Bhirud, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya "Large Bilateral Staghorn Calculus Managed By Laparoscopic Pyelolithomy – A Case Report" in NZUSICON 2023 Hotel Taj Ganges, Varanasi on 27 Oct. 2023.
13. Presenter Dr. Jeena Raju Kudunthail, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya, Dr Vijay Madduri, Dr Arjun Singh Sandhu, Dr Mahendra Singh, Dr Deepak Prakash Bhirud "Serum Prostate Specific Antigen (PSA) levels and its usefulness in men presenting with Lower Urinary Tract Symptoms (LUTS): Review from a tertiary care centre" in NZUSICON 2023 Hotel Taj Ganges, Varanasi on 27 Oct. 2023.
14. Presenter Dr. Om Kumar Yadav, Dr Arjun Singh Sandhu, Dr Mahendra Singh, Dr Deepak Prakash Bhirud, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya, Dr. Jaydeep Jain "Post ESWL Emphysematous Pyelonephritis: A Rare but Serious Complication" in NZUSICON 2023 Hotel Taj Ganges, Varanasi on 27 Oct. 2023.
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16. Presenter Dr. Om Kumar Yadav, Dr. Deepak Prakash Bhirud, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Shiv Charan Navriya, Dr. Gautam Ram Choudhary "Outcomes and predictive factors of recurrence after endoscopic management of USD at a tertiary care centre" in USICON 2024 at

Samrat Ashoka Convention Centre and Bapu Sabhagar, North of Gandhi maidan, Patna, Bihar on 2<sup>nd</sup> February 2024.

17. Presenter Dr. Jeena Raju Kudunthail, Dr Arjun Singh Sandhu, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya, Dr Mahendra Singh, Dr Deepak Prakash Bhirud Thulium LASER fibre – is it overhyped in endourology?” in USICON 2024 at Samrat Ashoka Convention Centre and Bapu Sabhagar, North of Gandhi maidan, Patna, Bihar on 2<sup>nd</sup> February 2024.

#### **Sessions Chaired:**

1. Organizing team member in Cadaveric organ retrieval workshop held on 15 March 2024 at AIIMS Jodhpur.
2. Organizing team member of annual conference of Royal Society of Rajasthan RUSCON held on 16-17 September 23.
3. Authored a chapter “Management of upper tract transitional cell carcinoma” in A Guide to Management of Urological Cancers.
4. Authored a chapter “Contemporary Issues in Partial Nephrectomy” in UroCancer Clinics of India
5. Reviewer in many journals e.g. IJU/WJO. etc
6. Abstract reviewer in National annual conference USICON and Zonal conference NZUSICON

#### **Invited Lectures:**

1. Organizing team member in Cadaveric organ retrieval workshop held on 15 March 2024 at AIIMS Jodhpur.
2. Participated in Debate at the North Zone Chapter of Urological Society of India is organizing the 33<sup>rd</sup> Annual Conference of NZUSI, NZUSICON 2023 at Hotel Taj Ganges, Varanasi

#### **Resource Faculty:**

1. Elected as council member in North zone urological society of India and RUFCON.
2. Council member of Robotic Urological Forum
3. Faculty in UROONCO-CON 2023, on 9-10 June 2023 at Hotel Novotel-Pullman, Aerocity, New Delhi.

#### **Research Projects:**

##### **Ongoing:**

##### **As Principal Investigator**

1. Assessment of urinary carcinogens level and urine cytology among industry and non-industry workers in Jodhpur, approved by ICMR (extramural Project)
2. Transurethral resection and single instillation intravesical chemotherapy evaluation in bladder cancer treatment (RESECT): international multicentric study
3. An open label multi-centric randomized control trail for re-initiating intravesical BCG therapy Vs resumption in patient of non-muscle invasive bladder cancer with interruption of therapy due to covid-19 (ICON study) (ICON- interruption of treatment due to covid-19 in NMIBC): multi-institutional study

##### **As Co-Investigator**

1. To assess the impact of endocrine disrupting chemical (EDC) exposure on DNA methylation in infertile males: A multicentric study in India (DHR-Year 2023-2026)

2. To investigate the efficacy of anticancer drugs with herbal combination in a rat model of prostate cancer (Intra-mural)

#### **Completed:**

##### **As Principal Investigator**

1. Demographic profile, clinical presentation & management of solid renal tumours in adults: A multicentric retrospective analysis
2. Assessment of urinary carcinogens level and urine cytology among industry and non-industry workers in Jodhpur, approved by ICMR (extramural Project)
3. An open label multi-centric randomized control trail for re-initiating intravesical BCG therapy Vs resumption in patient of non-muscle invasive bladder cancer with interruption of therapy due to covid-19 (ICON study) (ICON- interruption of treatment due to covid-19 in NMIBC): multi-institutional study

##### **As Co-Investigator**

1. Correlation of prostate-imaging reporting and data system scoring on multiparametric prostate magnetic resonance imaging with histopathological outcomes in transrectal ultrasound guided prostate biopsy
2. Relevance of standard Percutaneous Nephrolithotomy (PCNL) in era of miniaturised PCNL-inference from tertiary care centre located in heart of stone belt territory of India
3. A multi-institutional prospective study of ureteral access sheath placement during primary retrograde intrarenal surgery for stones in Indian population
4. To assess the impact of endocrine disrupting chemical (EDC) exposure on DNA methylation in infertile males: A multicentric study in India (DHR-Year 2023-2026)
5. To investigate the efficacy of anticancer drugs with herbal combination in a rat model of prostate cancer (Intra-mural)
6. Comparison of urinary and sexual outcomes in patients with primary bladder neck obstruction: randomized controlled trial of medical management vs bladder neck incision
7. A study of Correlation of serum testosterone levels and urethral stricture disease at tertiary care center
8. A Prospective multi-institutional assessment of prostate biopsy practices in India

##### **Scientific Awards/Patents**

1. Completed Vattikuti International Fellowship (2weeks duration in August 2023) at the Roswell Park Comprehensive Cancer Center ATLAS Program in Buffalo New York, USA

##### **Examinership**

1. Internal Examiner, MCh Urology at AIIMS Jodhpur on 11 May 2024

##### **Membership/Post in Journal or Society or Association**

1. Urological society of India
2. Urological association Asia
3. Uro-Oncology subsection of USI
4. Society of Genito-urinary oncologists

**National/ International Conferences attended:**

1. PG Quiz master at the North Zone Chapter of Urological Society of India is organizing the 33rd Annual Conference of NZUSI, NZUSICON 2023 at Hotel Taj Ganges, Varanasi
2. Participated in Debate at the North Zone Chapter of Urological Society of India is organizing the 33rd Annual Conference of NZUSI, NZUSICON 2023 at Hotel Taj Ganges, Varanasi
3. Delivered a lecture on cytoreductive nephrectomy in metastatic renal cell carcinoma Conference feedback of the 5th Annual conference RUFCON and Masterclass in Uro-Oncology with Live Operative International Minimally Invasive Surgery Workshop.
4. Delivered a talk on Robot assisted complex pelvic fistula excision and reconstruction at Robotic Surgery Symposium at Ghent, Belgium on 6-8 October 23.
5. Successfully completed advanced training of Intuitive Robotic Surgery training program.
6. Stood at position III (team) in Stanford Biodesign Bootcamp at IIT Jodhpur

**Name of Faculty: Dr. Mahendra Singh****Designation: Associate Professor****Papers Presented:**

1. Presenter Dr. Deepak Prakash Bhirud, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Shashank Shekhar Tripathi, Dr. Amit Aggarwal, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya "a video abstract at Society of Robotic Surgery (SRS) conference" held at Melbourne convention centre, Melbourne, Australia on 24 to 26 July 2023.
2. Presenter Dr. Vikram Singh, Dr. Deepak Prakash Bhirud, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya "Extrarenal calyces in a pelvic kidney with UPJ obstruction in an adult male" at 20<sup>th</sup> UAA 2023, Dubai on September 2023.
3. Presenter Dr. Vikram Singh, Dr. Deepak Prakash Bhirud, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya "Arterio-Venous Fistula in functional Motor Disability" at 20<sup>th</sup> UAA 2023, Dubai on September 2023.
4. Presenter Dr. Vikram Singh, Dr. Deepak Prakash Bhirud, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya "Evaluation of Urinary Continence after Robotic assisted Radical Prostatectomy: A tertiary care centre experience" at 20<sup>th</sup> UAA 2023, Dubai on September 2023.
5. Presenter Dr. Vikram Singh, Dr. Deepak Prakash Bhirud, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya "Laparoscopic VVF repair by Limited transverse cystostomy technique" at 20<sup>th</sup> UAA 2023, Dubai on September 2023.
6. Presenter Dr. Vikram Singh, Dr. Deepak Prakash Bhirud, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya "Assessing Pentafecta Outcomes post Radical cystectomy: A tertiary care centre study" in USICON 2024 at Samrat Ashoka Convention Centre and Bapu Sabhagar, North of Gandhi maidan, Patna, Bihar on 2<sup>nd</sup> February 2024.
7. Presenter Dr. Vikram Singh, Dr. Arjun Singh Sandhu, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya, Dr. Mahendra Singh, Dr. Deepak Prakash Bhirud, Dr. Rahul Jena "Correlation of urinary continence recovery with various factors after Robot assisted radical prostatectomy" in URO-ONCOCON 2023 At Hotel Pullman Novotel Complex Aerocity Delhi on 9-10 June 2023.
8. Presenter Dr. Vikram Singh, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Deepak Prakash Bhirud, Dr. Shiv Charan Navriya, Dr. Gautam Ram Choudhary, Dr. Rahul Jena "Genitourinary Fistulae: Changing trends in Etiology and Management: A tertiary care institute's perspective" in USICON 2024 at Samrat



- Ashoka Convention Centre and Babu Sabhagar, North of Gandhi maidan, Patna, Bihar on 2<sup>nd</sup> February 2024.
9. Presenter Dr. Priyank Bhargav, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Deepak Prakash Bhirud, Dr. Shiv Charan Navriya, Dr. Gautam Ram Choudhary, Dr. Rahul Jena “Comparison of transperitoneal vs retroperitoneal Robot assisted Partial nephrectomy – a systematic review and meta-analysis” in URO-ONCOCON 2023 At Hotal Pullman Novotel Complex Aerocity Delhi on 9-10 June 2023.
  10. Presenter Dr. Priyank Bhargava, Dr. Deepak Prakash Bhirud, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya “The not so simple laparoscopic nephrectomy: experience from a tertiary care center” at 20<sup>th</sup> UAA 2023, Dubai on September 2023.
  11. Presenter Dr. Priyank Bhargava, Dr. Deepak Prakash Bhirud, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya “Robot assisted upper urinary tract reconstruction for benign diseases: initial single center experience” in USICON 2024 at Samrat Ashoka Convention Centre and Babu Sabhagar, North of Gandhi maidan, Patna, Bihar on 2<sup>nd</sup> February 2024.
  12. Presenter Dr. Jeena Raju Kudunthail, Dr. Kartik Sharma, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Deepak Prakash Bhirud “Robot Assisted Complex Prostatic Urethrocuteaneous Fistula Excision” in NZUSICON 2023 at Hotel Taj Ganges, Varanasi on 27 Oct. 2023.
  13. Presenter Dr. Jeena Raju Kudunthail, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya, Dr. Vijay Madduri, Dr. Arjun Singh Sandhu, Dr. Mahendra Singh, Dr. Deepak Prakash Bhirud “Ecdysis of Guide Wire Jacket - An unusual complication post Percutaneous Nephrolithotomy and its Endoscopic Management” in NZUSICON 2023 Hotel Taj Ganges, Varanasi on 27 Oct. 2023.
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  16. Presenter Dr. Vikram Singh, Dr. Arjun Singh Sandhu, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya, Dr. Mahendra Singh, Dr. Deepak Prakash Bhirud, Dr. Rahul Jena “Correlation of urinary continence recovery with various factors after Robot assisted radical prostatectomy” in URO-ONCOCON 2023 At Hotal Pullman Novotel Complex Aerocity Delhi on 9-10 June 2023.
  17. Presenter Dr. Om Kumar Yadav, Dr. Deepak Prakash Bhirud, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Shiv Charan Navriya, Dr. Gautam Ram Choudhary “Large Vessel Thrombosis In Urology Patients: Experience At Tertiary Care Centre” at 20<sup>th</sup> UAA 2023, Dubai on September 2023.
  18. Presenter Dr. Om Kumar Yadav, Dr. Deepak Prakash Bhirud, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Shiv Charan Navriya, Dr. Gautam Ram Choudhary “Outcomes and predictive factors of recurrence after endoscopic management of USD at a tertiary care centre” in USICON 2024 at Samrat Ashoka Convention Centre and Babu Sabhagar, North of Gandhi maidan, Patna, Bihar on 2<sup>nd</sup> February 2024.
  19. Presenter Dr. Om Kumar Yadav, Dr. Arjun Singh Sandhu, Dr. Mahendra Singh, Dr. Deepak Prakash Bhirud, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya, Dr. Jaydeep Jain “Post ESWL

Emphysematous Pyelonephritis: A Rare but Serious Complication" in NZUSICON 2023 Hotel Taj Ganges, Varanasi on 27 Oct. 2023.

20. Presenter Dr. Om Kumar Yadav, Dr. Jaydeep Jain, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Deepak Prakash Bhurud, Dr. Shiv Charan Navriya, Dr. Gautam Ram Choudhary "Renal mucormycosis presenting as Renal Artery Thrombosis in immunocompromised patients: A Case Series" in NZUSICON 2023 at Hotel Taj Ganges, Varanasi on 27 Oct. 2023.

#### **Sessions Chaired:**

1. Organizing secretary of annual conference of Royal Urological Society "RIUSCON 2023" under the aegis of RUS on 16-17 September 2023 at Kumbhalgarh.
2. Completed Intuitive's technology training program covering the components and use of da Vinci system, instruments and accessories on 21st July 2023 at AIMS, Kochi
3. Organized First assistant training for Urology residents by Intuitive's technology training program covering the components and use of da Vinci system, instruments and accessories on 9th December 2023 at AIIMS, Jodhpur
4. Organizing secretary for "Training at UroCare Workshop held at Urology Department at AIIMS, Jodhpur on 24th February 2024.
5. Organizing member for "Cadaveric organ retrieval workshop" at Skill lab & Wet lab, AIIMS, Jodhpur held on 15th March 2024.
6. Faculty for The North Zone Chapter of Urological society of India the 33rd NZUSICON 202 on 27-29 October, 2023 at Varanasi. Invited as a speaker for presenting "Follow up management: locally advanced cancer prostate in ISU Session and chairperson for moderated poster session. Also, paper presented "Minimally invasive pyeloplasty: Robotic vs 2d vs 3d laparoscopic, our experience at a tertiary care center got first prize in moderated poster session.
7. Faculty for the " Functional and female urology subsection Urological Society of India (FFUS), mid-term conference" as chairperson at AIIMS, Bhubaneswar, Odisha from 20th-24th July 2023
8. Faculty for the "SEMENOCON 2023" Mid-term conference of the Andrology Section of USI held on 18-19 November 2023 at Chennai.

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

1. Perioperative antibiotic usage during Endo-urological surgery: a multi-institutional, national-level, cross-sectional audit of prevalent practice pattern in India.

##### **As Co-Investigator**

1. Comparison of radial artery deviation and replantation (RADAR) technique Vs classical technique in creation of arterio-venous fistula: A randomised control trial.
2. Retrospective Data Analysis Of Renal Cell Carcinoma

##### **Completed:**

##### **As Principal Investigator**

1. Factors predicting renal function recovery, post urinary diversion in patients with acute obstructive uropathy.

2. Single postoperative instillation of Gemcitabine vs Mitomycin in Non-muscle invasive Transitional Cell Carcinoma of the Bladder: A single center open level study

#### **As Co-Investigator**

1. Impact of video demonstration of procedure in patient satisfaction in patient undergoing percutaneous nephrolithotomy for renal stone disease: a randomized control trial
2. Transvaginal natural orifice extraction of nephrectomy specimen
3. Clinico-pathological correlation between mucosal irritants and BMG urethroplasty
4. Comparative study of patients related outcomes, cost and stone free rates of ESWL and URSL for lower ureteric stones
5. Effect of nurse led educational intervention on prevention of post-operative complication and functional outcomes among patients planned to undergo TURP: A Quasi experimental study
6. Observational retrospective and prospective study to audit of patient characteristics and surgical practices for management of bladder outlet obstruction (BOO) due to benign enlargement of prostate (BEP) among Indian population
7. Genitourinary fistulae: to study epidemiology etiology and management of this underestimated entity in India, are we still in the era of developing country? Tertiary care institute experience.

#### **National/ International Conferences attended:**

1. Faculty for The North Zone Chapter of Urological society of India the 33rd NZUSICON 202 on 27-29 October, 2023 at Varanasi. Invited as a speaker for presenting "Follow up management: locally advanced cancer prostate in ISU Session and chairperson for moderated poster session. Also, paper presented "Minimally invasive pyeloplasty: Robotic vs 2d vs 3d laparoscopic, our experience at a tertiary care center got first prize in moderated poster session.
2. Faculty for the " Functional and female urology subsection Urological Society of India (FFUS), mid-term conference" as chairperson at AIIMS, Bhubaneswar, Odisha from 20th-24th July 2023
3. Faculty for the "SEMENOCN 2023" Mid-term conference of the Andrology Section of USI held on 18-19 November 2023 at Chennai.

**Name of Faculty: Dr. Shiv Charan Navriya**

**Designation: Associate Professor**

#### **Books/Chapters**

1. Sunil kumar, Shiv Charan Navriya. Identifying and preventing Ureteric injuries in complex Gynecologic surgeries. In Bahadur, Mundhra, Kant, editors. Robotic Gynecologic Surgery.1st ed. Thieme publication; 2022. p. 84-91. (ISBN 9789390553877)

#### **Papers Presented:**

1. Presenter Dr. Shiv Charan Navriya "Robot Assisted Partial Nephrectomy in a patient with complex congenital anatomical variations" – Best video session at Youth Conclave of USI at Hilton Hotel Goa on 8-9 July 2023.
2. Presenter Dr. Shiv Charan Navriya, Dr. Gautam Ram Choudhary "Ultrasonic assessment of detrusor wall thickness and intravesical prostatic protrusion – role as a non-invasive indicator of bladder outlet obstruction in men with lower urinary tract symptoms" in NZUSICON 2023 Hotel Taj Ganges, Varanasi on 27 Oct. 2023.

3. Presenter Dr. Shiv Charan Navriya, Dr. Gautam Ram Choudhary Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Deepak Prakash Bhirud "Open, Laparoscopic and Robotic Nephron sparing surgery for renal tumours: indications, technique and short-term surgical outcomes from tertiary care center" in NZUSICON 2023 Hotel Taj Ganges, Varanasi on 27 Oct. 2023.
4. Presenter Dr. Shiv Charan Navriya, Dr. Gautam Ram Choudhary Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Deepak Prakash Bhirud "Diagnostic dilemma of locally advanced upper polar renal mass: A Rare Case Report" in NZUSICON 2023 Hotel Taj Ganges, Varanasi on 27 Oct. 2023.
5. Presenter Dr. Jaydeep Jain, Dr. Shiv Charan Navriya, Dr. Deepak Prakash Bhirud, Dr. Gautam Ram Choudhary "Squamous Cell Carcinoma Masquerading as Urethral Stricture disease in a patient with watering can Perineum: A rare but serious consequence" in USICON 2024 at Samrat Ashoka Convention Centre and Bapu Sabhagar, North of Gandhi maidan, Patna, Bihar on 2<sup>nd</sup> February 2024.
6. Presenter Dr. Jaydeep Jain, Dr. Mahendra Singh, Dr. A S Sandhu, Dr. Deepak Prakash Bhirud, Dr. Shiv Charan Navriya, Dr. Gautam Ram Choudhary "Minimally Invasive Pyeloplasty: Robotic VS 2D VS 3D Laparoscopic: Our experience at a tertiary care centre" in USICON 2024 at Samrat Ashoka Convention Centre and Bapu Sabhagar, North of Gandhi maidan, Patna, Bihar on 2<sup>nd</sup> February 2024.
7. Presenter Dr. Vikram Singh, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Deepak Prakash Bhirud, Dr. Shiv Charan Navriya, Dr. Gautam Ram Choudhary, Dr. Rahul Jena "Genitourinary Fistulae: Changing trends in Etiology and Management: A tertiary care institute's perspective" in USICON 2024 at Samrat Ashoka Convention Centre and Bapu Sabhagar, North of Gandhi maidan, Patna, Bihar on 2<sup>nd</sup> February 2024.
8. Presenter Dr. Vikram Singh, Dr. Mahendra Singh, Dr. A S Sandhu, Dr. Deepak Prakash Bhirud, Dr. Shiv Charan Navriya, Dr. Gautam Ram Choudhary "Comparative analysis of pyeloplasty outcomes in patients with poorly functioning kidney : a study of two cohorts" in USICON2024 at Samrat Ashoka Convention Centre and Bapu Sabhagar, North of Gandhi maidan, Patna, Bihar on 2<sup>nd</sup> February 2024.
9. Presenter Dr. Om Kumar Yadav, Dr. Jaydeep Jain, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Deepak Prakash Bhirud, Dr. Shiv Charan Navriya, Dr. Gautam Ram Choudhary "Renal mucormycosis presenting as Renal Artery Thrombosis in immunocompromised patients: A Case Series" in NZUSICON 2023 at Hotel Taj Ganges, Varanasi on 27 Oct. 2023.
10. Presenter Dr. Jeena Raju Kudunthail, Dr. Kartik Sharma, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Deepak Prakash Bhirud "Robot Assisted Complex Prostatic Urethrocutaneous Fistula Excision" in NZUSICON 2023 at Hotel Taj Ganges, Varanasi on 27 Oct. 2023.
11. Presenter Dr. Jaydeep Jain, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya, Dr. Rahul Jena, Dr. Mahendra Singh, Dr. A S Sandhu, Dr. Deepak Prakash Bhirud "18F-fluoro-2-deoxy-2-d-glucose PET-CT (FDG PET-CT) in staging of high-risk renal and urothelial bladder cancers (COPPER-T) trial" in NZUSICON 2023 Hotel Taj Ganges, Varanasi on 27 Oct. 2023.
12. Presenter Dr. Kartik Sharma, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya "Miraculous Response of Neoadjuvant Chemotherapy in Case of High Grade Upper Tract Transitional Cell Carcinoma" NZUSICON 2023 Hotel Taj Ganges, Varanasi on 27 Oct. 2023.
13. Presenter Dr. Kartik Sharma, Dr. Deepak Prakash Bhirud, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya "Outcome of Transrectal Ultrasound guided (TRUS) prostate biopsy for detection of prostate cancer: Inference from tertiary care centre" in NZUSICON 2023 Hotel Taj Ganges, Varanasi on 27 Oct. 2023.
14. Presenter Dr. Vikram Singh, Dr Arjun Singh Sandhu ,Dr Gautam Ram Choudhary, Dr Shiv Charan, Navriya, Dr Mahendra Singh, Dr Deepak Prakash Bhirud, Dr Rahul Jena "Correlation of urinary

continence recovery with various factors after Robot assisted radical prostatectomy” in URO-ONCOCON 2023 At Hotal Pullman Novotel Complex Aerocity Delhi on 9-10 June 2023.

15. Presenter Dr. Jeena Raju Kudunthail, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya, Dr Vijay Madduri, Dr Arjun Singh Sandhu, Dr Mahendra Singh, Dr Deepak Prakash Bhirud “Ecdysis of Guide Wire Jacket - An unusual complication post Percutaneous Nephrolithotomy and its Endoscopic Management” in NZUSICON 2023 Hotel Taj Ganges, Varanasi on 27 Oct. 2023.
16. Presenter Dr. Om Kumar Yadav, Dr Arjun Singh Sandhu, Dr Mahendra Singh, Dr Deepak Prakash Bhirud, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya “Large Bilateral Staghorn Calculus Managed By Laparoscopic Pyelolithomy – A Case Report” in NZUSICON 2023 Hotel Taj Ganges, Varanasi on 27 Oct. 2023.
17. Presenter Dr. Jeena Raju Kudunthail, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya, Dr Vijay Madduri, Dr Arjun Singh Sandhu, Dr Mahendra Singh, Dr Deepak Prakash Bhirud “Serum Prostate Specific Antigen (PSA) levels and its usefulness in men presenting with Lower Urinary Tract Symptoms (LUTS): Review from a tertiary care centre” in NZUSICON 2023 Hotel Taj Ganges, Varanasi on 27 Oct. 2023.
18. Presenter Dr. Om Kumar Yadav, Dr Arjun Singh Sandhu, Dr Mahendra Singh, Dr Deepak Prakash Bhirud, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya, Dr. Jaydeep Jain “Post ESWL Emphysematous Pyelonephritis: A Rare but Serious Complication” in NZUSICON 2023 Hotel Taj Ganges, Varanasi on 27 Oct. 2023.

#### **Sessions Chaired:**

1. Organizing joint secretary of scientific meeting RUSCON 2023, annual conference of Royal Urological society Rajasthan organised by Jodhpur Urology Forum.

#### **Invited Lectures:**

1. Invited as Faculty cum speaker and delivered scientific talk on “Recent advances in pharmacological management of BPH” in mid-term annual conference of female and functional subsection of USI at AIIMS Bhubaneswar
2. Invited as faculty cum speaker and delivered scientific talk on “Flexible Ureteroscopy: Managing Challenges of large lower polar renal stones” in 4th Youth conclave 2023 organized by Urological Society of India.
3. Attended workshop and completed the introductory course on “Transplant coordinators training” organized by State organ and tissue transplant organisation (SOTTO) from 9 to 13 September 2023 at Jaipur.
4. Invited as speaker and delivered a talk on “Benefits of robotic technology in Uro-oncology – what does the evidence say” at UAA 2023 Dubai, annual conference of Urological society of India
5. Invited as chairperson for prostate theranostics session in 55th Annual Conference of the Society of Nuclear Medicine India (SNMICON 2023) at AIIMS Jodhpur.
6. Invited as faculty in NZUSICON 2023 (33rd annual conference of North Zone Chapter of Urological society of India held on 28-30 October 2022 and participated as
  - (1) Delivered lecture on Brachio Basilic fistula: 1 And 2 Stage for vascular access.
  - (2) Convener of ‘Renal transplant session’ session.
  - (3) Delivered scientific talk on partial nephrectomy for renal masses in “North Zone got talent” session
  - (4) Chairperson in moderated poster session

7. Invited as faculty cum speaker and delivered talk on “Case based discussion on management of complex renal stones” at RUSCON 2023, annual conference organized by Royal Urological society Rajasthan
8. Invited as faculty at 56th annual conference of Urological society of India (USI) USICON 23 on 1-4 February 2024 and participated as chairperson in the moderated poster session.

#### **Resource Faculty:**

1. Selected for prestigious Hargobind Singh Memorial Fellowship by North Zone Urological Society of India for 2023-24 session

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

1. Comparison of patient Renal and Tumor attribute score (PRETA score), Renal and simplified PADUA Renal (SPARE) nephrometry scoring systems in predicting perioperative outcomes after nephron sparing surgery- a prospective cohort study
2. Transurethral resection and single instillation intravesical chemotherapy evaluation in bladder cancer treatment (RESECT): international multicentric study

##### **As Co-Investigator**

1. A study of Correlation of serum testosterone levels and urethral stricture disease at tertiary care center
2. Serum PSA trends in patients presenting with lower urinary tract symptoms at AIIMS Jodhpur

##### **Completed:**

##### **As Principal Investigator**

1. Correlation of prostate-imaging reporting and data system scoring on multiparametric prostate magnetic resonance imaging with histopathological outcomes in transrectal ultrasound guided prostate biopsy
2. Relevance of standard Percutaneous Nephrolithotomy (PCNL) in era of miniaturised PCNL-inference from tertiary care centre located in heart of stone belt territory of India
3. A multi-institutional prospective study of ureteral access sheath placement during primary retrograde intrarenal surgery for stones in Indian population

##### **As Co-Investigator**

1. Comparison of urinary and sexual outcomes in patients with primary bladder neck obstruction: randomized controlled trial of medical management vs bladder neck incision
2. A study of Correlation of serum testosterone levels and urethral stricture disease at tertiary care center
3. Demographic profile, clinical presentation & management of solid tumours in adults: A multicentric retrospective analysis
4. A Prospective multi-institutional assessment of prostate biopsy practices in India

#### **Membership/Post in Journal or Society or Association**

1. Uro oncology and Urolithiasis subsection of Urology Society of India

2. Full membership of North Zone Urological society of India

**National/ International Conferences attended:**

1. USICON organized by Urological Society of India 02-05 Feb 2023 Gurugram
2. 32nd NZUSICON 2022 held on 28-30 October 2022 at Bikaner
3. North zone midterm CUE on 18-19 March 2023 at AIIMS Jodhpur

**Name of Faculty: Dr. Deepak Prakash Bhirud**

**Designation: Assistant Professor**

**Papers Presented:**

1. Presenter Dr. Deepak Prakash Bhirud, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Shashank Shekhar Tripathi, Dr. Amit Aggarwal, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya "a video abstract at Society of Robotic Surgery (SRS) conference" held at Melbourne convention centre, Melbourne, Australia on 24 to 26 July 2023.
2. Presenter Dr. Vikram Singh, Dr. Deepak Prakash Bhirud, Dr. A S Sandhu, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya "A rare case of Penile Gangrene secondary to nimesulide induced severe leucocytoclastic vasculitis" at 20<sup>th</sup> UAA 2023, Dubai on September 2023.
3. Presenter Dr. Vikram Singh, Dr. Deepak Prakash Bhirud, Dr. A S Sandhu, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya "Post Radical Cystectomy delayed urethral recurrence: A rare presentation posing diagnostic dilemma" at 20<sup>th</sup> UAA 2023, Dubai on September 2023.
4. Presenter Dr. Vikram Singh, Dr. Deepak Prakash Bhirud, Dr. A S Sandhu, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya "Extrarenal calyces in a pelvic kidney with UPJ obstruction in an adult male" at 20<sup>th</sup> UAA 2023, Dubai on September 2023.
5. Presenter Dr. Vikram Singh, Dr. Deepak Prakash Bhirud, Dr. A S Sandhu, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya "Arterio-Venous Fistula in functional Motor Disability" at 20<sup>th</sup> UAA 2023, Dubai on September 2023.
6. Presenter Dr. Vikram Singh, Dr. Deepak Prakash Bhirud, Dr. A S Sandhu, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya "Evaluation of Urinary Continence after Robotic assisted Radical Prostatectomy: A tertiary care centre experience" at 20<sup>th</sup> UAA 2023, Dubai on September 2023.
7. Presenter Dr. Vikram Singh, Dr. Deepak Prakash Bhirud, Dr. A S Sandhu, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya "Laparoscopic VVF repair by Limited transverse cystostomy technique" at 20<sup>th</sup> UAA 2023, Dubai on September 2023.
8. Presenter Dr. Vikram Singh, Dr. Deepak Prakash Bhirud, Dr. A S Sandhu, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya "Assessing Pentapecta Outcomes post Radical cystectomy: A tertiary care centre study" in USICON 2024 at Samrat Ashoka Convention Centre and Babu Sabhagar, North of Gandhi maidan, Patna, Bihar on 2<sup>nd</sup> February 2024.
9. Presenter Dr. Vikram Singh, Dr. Arjun Singh Sandhu, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya, Dr. Mahendra Singh, Dr. Deepak Prakash Bhirud, Dr. Rahul Jena "Correlation of urinary continence recovery with various factors after Robot assisted radical prostatectomy" in URO-ONCOCON 2023 At Hotel Pullman Novotel Complex Aerocity Delhi on 9-10 June 2023.
10. Presenter Dr. Vikram Singh, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Deepak Prakash Bhirud, Dr. Shiv Charan Navriya, Dr. Gautam Ram Choudhary, Dr. Rahul Jena "Genitourinary Fistulae: Changing trends in Etiology and Management: A tertiary care institute's perspective" in USICON

2024 at Samrat Ashoka Convention Centre and Babu Sabhagar, North of Gandhi maidan, Patna, Bihar on 2<sup>nd</sup> February 2024.

11. Presenter Dr. Priyank Bhargava, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Deepak Prakash Bhirud, Dr. Shiv Charan Navriya, Dr. Gautam Ram Choudhary, Dr. Rahul Jena “Comparison of transperitoneal vs retroperitoneal Robot assisted Partial nephrectomy – a systematic review and meta-analysis” in URO-ONCOCON 2023 At Hotal Pullman Novotel Complex Aerocity Delhi on 9-10 June 2023.
12. Presenter Dr. Priyank Bhargava, Dr. Deepak Prakash Bhirud, Dr. A S Sandhu, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya “The not so simple laparoscopic nephrectomy: experience from a tertiary care center” at 20<sup>th</sup> UAA 2023, Dubai on September 2023.
13. Presenter Dr. Priyank Bhargava, Dr. Deepak Prakash Bhirud, Dr. A S Sandhu, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya “Robot assisted upper urinary tract reconstruction for benign diseases: initial single center experience” in USICON 2024 at Samrat Ashoka Convention Centre and Babu Sabhagar, North of Gandhi maidan, Patna, Bihar on 2<sup>nd</sup> February 2024.
14. Presenter Dr. Jeena Raju Kudunthail, Dr. Kartik Sharma, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Deepak Prakash Bhirud “Robot Assisted Complex Prostatic Urethrocuteaneous Fistula Excision” in NZUSICON 2023 at Hotel Taj Ganges, Varanasi on 27 Oct. 2023.
15. Presenter Dr. Jeena Raju Kudunthail, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya, Dr. Vijay Madduri, Dr Arjun Singh Sandhu, Dr Mahendra Singh, Dr Deepak Prakash Bhirud “Ecdysis of Guide Wire Jacket - An unusual complication post Percutaneous Nephrolithotomy and its Endoscopic Management” in NZUSICON 2023 Hotel Taj Ganges, Varanasi on 27 Oct. 2023.
16. Presenter Dr. Jeena Raju Kudunthail, Dr Arjun Singh Sandhu, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya, Dr Mahendra Singh, Dr Deepak Prakash Bhirud Thulium LASER fibre – is it overhyped in endourology?” in USICON 2024 at Samrat Ashoka Convention Centre and Babu Sabhagar, North of Gandhi maidan, Patna, Bihar on 2<sup>nd</sup> February 2024.
17. Presenter Dr. Kartik Sharma, Dr. Deepak Prakash Bhirud, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya “Outcome of Transrectal Ultrasound guided (TRUS) prostate biopsy for detection of prostate cancer: Inference from tertiary care centre” in NZUSICON 2023 Hotel Taj Ganges, Varanasi on 27 Oct. 2023.
18. Presenter Dr. Vikram Singh, Dr Arjun Singh Sandhu ,Dr Gautam Ram Choudhary, Dr Shiv Charan, Navriya, Dr Mahendra Singh, Dr Deepak Prakash Bhirud, Dr Rahul Jena “Correlation of urinary continence recovery with various factors after Robot assisted radical prostatectomy” in URO-ONCOCON 2023 At Hotal Pullman Novotel Complex Aerocity Delhi on 9-10 June 2023.
19. Presenter Dr. Jaydeep Jain, Dr. Deepak Prakash Bhirud, Dr. Shiv Charan Navriya, Dr. Gautam Ram Choudhary “Squamous Cell Carcinoma Masquerading as Urethral Stricture disease in a patient with watering can Perineum: A rare but serious consequence” in USICON 2024 at Samrat Ashoka Convention Centre and Babu Sabhagar, North of Gandhi maidan, Patna, Bihar on 2<sup>nd</sup> February 2024.
20. Presenter Dr. Om Kumar Yadav, Dr. Deepak Prakash Bhirud, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Shiv Charan Navriya, Dr. Gautam Ram Choudhary “Large Vessel Thrombosis In Urology Patients: Experience At Tertiary Care Centre” at 20<sup>th</sup> UAA 2023, Dubai on September 2023.
21. Presenter Dr. Om Kumar Yadav, Dr. Deepak Prakash Bhirud, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Shiv Charan Navriya, Dr. Gautam Ram Choudhary “Outcomes and predictive factors of recurrence after endoscopic management of USD at a tertiary care centre” in USICON 2024 at Samrat Ashoka Convention Centre and Babu Sabhagar, North of Gandhi maidan, Patna, Bihar on 2<sup>nd</sup> February 2024.



22. Presenter Dr. Om Kumar Yadav, Dr Arjun Singh Sandhu, Dr Mahendra Singh, Dr Deepak Prakash Bhirud, Dr. Gautam Ram Choudhary, Dr. Shiv Charan Navriya, Dr. Jaydeep Jain "Post ESWL Emphysematous Pyelonephritis: A Rare but Serious Complication" in NZUSICON 2023 Hotel Taj Ganges, Varanasi on 27 Oct. 2023.
23. Presenter Dr. Om Kumar Yadav, Dr. Jaydeep Jain, Dr. A S Sandhu, Dr. Mahendra Singh, Dr. Deepak Prakash Bhirud, Dr. Shiv Charan Navriya, Dr. Gautam Ram Choudhary "Renal mucormycosis presenting as Renal Artery Thrombosis in immunocompromised patients: A Case Series" in NZUSICON 2023 at Hotel Taj Ganges, Varanasi on 27 Oct. 2023.

#### **Sessions Chaired:**

1. Conducted RMO training on 'topic management of urological disorders in geriatric patients'.

#### **Resource Faculty:**

1. Resource faculty in organizing RUSCON 2023, Kumbhalgarh.

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

1. Bladder Diary for illiterates: A Novel Method
2. Inclusion of patients factors in urethral stricture score to predict outcomes following oral mucosal graft urethroplasty - the modified urethral stricture score(MU score)
3. Relevance of standard PCNL in era of miniaturised PCNL-inference from tertiary care centre located in heart of stone belt territory of India

##### **As Co-Investigator**

1. Prospective study to detect antibiotic susceptibility from urine samples in patients with urinary tract infection using auto- fluorescence imaging technique: a pilot study
2. observational retrospective and prospective study to audit of patient characteristics and surgical practices for management of bladder outlet obstruction(BOO) due to benign enlargement of prostate (BEP) among Indian population
3. Correlation between Urethral Stricture disease (USO) and serum testosterone levels, a tertiary care centre study
4. Comparison of urinary and sexual outcomes in patients with primary bladder neck obstruction: randomized controlled trial of medical management vs bladder neck incision
5. Correlation of prostate-imaging reporting and data system scoring on multiparametric prostate magnetic resonance imaging with histopathological outcomes in Trans rectal ultrasound guided prostate biopsy
6. Demographic profile, clinical presentation & management of solid tumours in adults: A multicentric retrospective analysis
7. Comparative analysis of Laparoscopic Pyeloplasty in Poorly functioning Kidney
8. A Prospective multi-institutional assessment of prostate biopsy practices in India
9. A multi institutional prospective study on success of ureteral access sheath placement during primary retrograde intrarenal surgery for renal stones in Indian population
10. Effect of nurse directed education programme on improvement in severity of symptoms and quality of life of BPH patients: A Quasi Experimental Study

11. Factors predicting intra-operative difficulty and prolonged operation time in patients undergoing laparoscopic transperitoneal simple nephrectomy for benign causes
12. An Open-Label, Multicentric, Non-Randomized, Dose-Escalation, phase 1 Study to Evaluate Safety and Efficacy of Intravesical SN-38 Lipid Suspension in Patients with Non-Muscle Invasive Bladder Cancer
13. The need for restaging transurethral resection of bladder tumour (TURBT) in T<sub>a</sub> high grade and T<sub>1</sub> tumours- A retrospective analysis in an Indian population
14. Comparison of patient Renal and Tumor attribute score (PRETA score), RENAL and simplified PADUA Renal (SPARE) nephrometry scoring systems in predicting perioperative outcomes after nephron sparing surgery- A prospective cohort study
15. Prostate specific antigen (PSA) trend among men presenting with lower urinary tract symptoms - An institutional review
16. Comparative Analysis of Laparoscopic Pyeloplasty in Poorly Functioning Kidneys
17. A prospective multi-institutional assessment of prostate biopsy practices in India
18. A Multi Institutional Prospective Study On Success Of Ureteral Access Sheath Placement During Primary Retrograde Intrarenal Surgery For Renal Stones In Indian Population

#### **Membership/Post in Journal or Society or association**

1. Urology Society of India
2. North Zone Urology Society of India

#### **National/International Conferences attended:**

1. Society of Robotic Surgery (SRS) conference held at Melbourne Convention Centre, Melbourne, Australia
2. Genito-Urinary Cancer - (GUC) congress topic presentation on "Anatomy of prostate with reference to Robot Assisted Radical Prostatectomy (RARP)" as faculty held on 23<sup>rd</sup> – 25<sup>th</sup> November 2023, held at Kolkata, West Bengal

#### **Eminent Visitors to the Deptt of Urology:**

1. Dr Amlesh Seth – Professor & Head, Department of Urology, AIIMS, Delhi
2. Dr Apul Goel – Professor, Department of Urology, KGMU, Lucknow
3. Dr Mahendra Bhandari – Director, Vattikuti organization, USA
4. Dr Rajesh Ahlawat – Director, Urology services, Medanta, Gurugram
5. Dr Swapan Sood – Senior Consultant, Patel Hospital, Jalandhar
6. Dr Anup Kumar – Professor & Head, Department of Urology, VMMC, New Delhi
7. Dr Chandra Mohan Vaddi – Director & Senior consultant, Priti hospital Hyderabad
8. Dr Devendra Sharma – Senior consultant, R K Birla hospital, Jaipur

#### **Workshops/ Conferences Organized :**

1. Conducted "**Cadaveric organ retrieval workshop**" at skill lab and wet lab in collaboration with Department of Gastrointestinal Surgery on 15<sup>th</sup> March 2024.

In this workshop eminent transplant faculty across the India were invited for the Guest lecture. They taught how to do the complex retrieval of organs from deceased donor. It was done on two cadavers with the help of the department of anatomy. Workshop was well received and it upgraded the knowledge of faculty to perform the deceased organ retrieval in various institute.

2. Conducted **Organ Donation awareness and pledge program in AIIMS, Jodhpur** auditorium in association with SOTTO Rajasthan on 22 Sept. 2023.

All the faculty, residents and other supporting staff of AIIMS, Jodhpur attended the program. In this program, a video based presentation was done by the faculty of SOTTO to aware the people to donate the organs and serve the humanity. They promoted the people who attended the program to take the pledge for donation of their organs after death.

3. **A two-day social outreach** was conducted in the tribal region of Sirohi, Mount Abu, on February 17-18, 2024. The program aimed to address the needs of the marginalized community. Health camps offering free consultations and medicines were organized. During the health camp we screened many people who need the treatment from Urology side and advised them to come to the center for further management. Educational materials were distributed to the tribal region peoples about the symptoms of the multiple urology diseases like: Bening Prostatic hyperplasia, Renal Stone Disease, Incidental Genito-Urinary Carcinoma etc. The initiative was a small step towards improving the lives of the tribal people and fostering a sense of community.

4. **Workshop on dealing with legal issues in urology practices** on 20<sup>th</sup> January 2024. On January 20, 2024. A crucial workshop was held to equip urology practitioners with the knowledge to effectively navigate the complex legal landscape of their profession. The workshop aimed to fortify the understanding of potential legal pitfalls and to provide practical strategies for risk mitigation.

Key areas of focus included medical malpractice, informed consent, patient privacy, and regulatory compliance. Renowned legal experts and seasoned urologists shared their insights, offering real-world examples and case studies. Attendees gained valuable knowledge on documentation best practices, effective communication with patients, and the importance of staying updated with evolving legal standards. By fostering a comprehensive understanding of legal implications, the workshop empowered urologists to deliver high-quality care while safeguarding their practices.

5. **Annual conference of Royal Urological Society (RUSCON) 2023** from 16<sup>th</sup> -17<sup>th</sup> September 2023 at Rajsaa Resort, Kumbhalgarh. The year 2023 marked a significant milestone for the urological community in Rajasthan with pivotal conference. The Royal Urological Society's annual conference, RUSCON 2023, held on September 16-17, served as a platform for global urological experts to share cutting-edge research, innovative techniques, and best practices. This prestigious event undoubtedly elevated the standards of urological care in the state of Rajasthan.

Complementing the national fervor, the Rajasthan Urological Society's conference in 2023, held at the picturesque Rajsaa Resort, Kumbhalgarh, showcased the advancements in urology within the state. The conference provided a valuable opportunity for urologists from Rajasthan to connect, collaborate, and stay updated with the latest developments in the field.

6. **The first bed side assistant training program for urology residents by Intuitive's technology covering the components and use of Da Vinci robotic Xi system, instruments and accessories on 9<sup>th</sup> December 2023 at robotic OT in AIIMS Jodhpur.**

The institution marked a significant stride in robotic surgery by conducting the first-ever bedside assistant training program for urology residents. This comprehensive program, facilitated by Intuitive's technology experts, delved into the intricacies of the Da Vinci Xi robotic system. The training encompassed a thorough exploration of the system's components, their functions, and optimal utilization. Residents gained hands-on experience with the robotic instruments and accessories, fostering a deep understanding of their capabilities. This immersive approach aimed to equip the next generation of urologists with the necessary skills to excel in robotic-assisted surgeries. By investing in such training initiatives, AIIMS Jodhpur reaffirms its commitment to providing state-of-the-art

healthcare and nurturing skilled surgeons. This program is expected to enhance the quality of urological care delivered at the institution and contribute to the advancement of robotic surgery in India.

7. Training at **UroCare workshop** held at urology department at AIIMS, Jodhpur on 24<sup>th</sup> February 2024. This training initiative was a significant step towards improving patient care and elevating the standards of urological practice. The workshop encompassed a comprehensive curriculum designed to address the latest advancements in urological procedures, technologies, and patient management. Residents and Nursing staff had the opportunity to engage with renowned experts in the field, who shared their knowledge and expertise through interactive sessions. Hands-on training and simulations allowed attendees to develop practical skills and gain confidence in their abilities. The UroCare workshop served as a catalyst for knowledge sharing and collaboration among urologists, ultimately benefiting the patients they serve.
8. Organised **Hands on workshop on Endo-urology Nursing Skills** on 7<sup>th</sup> Oct. 2023 in Seminar Hall, College of Nursing. The workshop aimed to equip residents and nursing professionals with the essential knowledge and practical skills required for providing optimal care to patients undergoing endo-urological procedures of Urology. In this workshop expert faculty how to take care of urological instruments and machineries present in the Urology OT at our institute. Participants actively engaged in hands-on simulations and demonstrations, solidifying their understanding of critical care procedures and instrument handling.

## Department of Hospital Administration

S.No.	Name	Designation
1	Dr. Ruchi Garg	Assistant Professor

### About the Department

**Introduction:** The Department of Hospital Administration at AIIMS Jodhpur has had a highly productive year, marked by significant advancements in hospital operations, patient care, and administrative efficiency. This report highlights the key activities, achievements, and initiatives undertaken by the department throughout 2023.

**Digitization and Technology Integration:** One of the hallmark achievements of the year was the successful digitization of medical records. This initiative has streamlined patient data management, enhanced accessibility for healthcare providers, and improved overall patient care. The department has also integrated various technological solutions to improve hospital operations, including advanced software for patient queue management and electronic health record (EHR) systems.

**Policy Development and Implementation:** The department has been proactive in developing and adapting several Standard Operating Procedures (SOPs) to enhance hospital administration. Key policies implemented include: Narcotics Policy, Condemnation Policies, Equipment Maintenance Policy, Records retention and weeding out policy etc. These policies have ensured compliance with regulatory standards and improved the efficiency of hospital operations.

**Committees and Collaborative Efforts:** The department has played an integral role in various hospital committees, contributing to multifaceted aspects of hospital management. Active participation in the following committees has been noteworthy:

- Dress code policy of AIIMSJ
- Brain-Dead Committee
- Legal Cell
- Procurement Committee
- Outsourcing of Dietary Services Committee
- Signage Committee
- Hospital Safety Committee (radiation safety, lab safety, general hospital safety)
- Patient Safety Committee
- Patient Queue Management Committee
- Disability Board etc.

These collaborative efforts have fostered a holistic approach to hospital administration, ensuring comprehensive and effective management.

**Infrastructure and Facility Management:** Significant strides have been made in maintaining and enhancing hospital infrastructure. Regular maintenance activities have been conducted, resulting in the repair of various furniture and equipment. Furniture that was beyond repair was systematically condemned. Additionally, private rooms in the IPD were refurbished with modern amenities such as LED TVs, kettles, and almirahs to enhance patient comfort and satisfaction.

**Waste Management and Operational Support:** The department has been actively involved in Bio-Medical Waste (BMW) management, ensuring compliance with environmental standards and promoting

a safe hospital environment. Assistance with RTI responses, handling suggestions and feedback, addressing grievances, and managing various infrastructural and operational areas has been diligently provided.

**Training and Development Programs:** To enhance the skills and capabilities of hospital staff, the department conducted several training programs. These included soft skills training, cleaning methods and disinfection procedures for attendants, and Information, Education, and Communication (IEC) sessions for patients and their families. These programs have been instrumental in improving service quality and patient care.

**Audits and Quality Assurance:** The department has been conducting regular audits to ensure adherence to established protocols and standards. Audits have been performed in areas such as the surgical safety checklist, procurement processes, prescription accuracy, and turnaround times. These audits have been crucial in identifying areas for improvement and implementing corrective measures

## Papers

### Pubmed Indexed:

1. Garg R, Walecha A, Goyal V, Mehra A, Badkur M, Gaur R, Choudhary IS, Talwar Y. A 12-Month Randomized Controlled Trial to Assess the Impact of Telemedicine on Patient Experience and Care Continuity. Cureus. 2024 Jan;16(1).

### Non-Pubmed Indexed:

1. Ruchi Garg, Yatin Talwar, Neeraj Garg. Analysis of feedback of private wards patients: missing links in patient satisfaction in services at tertiary care public hospital. Analysis of feedback of private wards patients: missing links in patient satisfaction in services at tertiary care public hospital, year 2023; volume 11: 997 TO 1001

### Eminent Visitors:

1. Alexander Von Hildebrand Former Regional Advisor WHO SEARO (online)
2. President ISHWM -Dr Ashok Agarwal, Prof. Sidhartha Satpathy AIIMS Delhi (Secretary ISHWM) and various speakers/panelist from AFMC Pune,AIIMS Delhi,PGI Chandigarh ,TMC Varanasi

### Any other information:

#### 1. Workshop on Biomedical Waste Management

On 2nd November 2023, a workshop was conducted focusing on Bio-Medical Waste (BMW) management, infection prevention and control practices, cleaning and sterilization of endoscopes, and Central Sterile Services Department (CSSD) practices.

#### 2. International Conference on Biomedical Waste, Hospital-Associated Infections, and Immunization Waste Management

**Overview:** An International Conference on "Biomedical Waste, Hospital-Associated Infections, and Immunization Waste Management" was held at the Auditorium, AIIMS Jodhpur, on November 3-4, 2023. The event was a collaborative effort between the Indian Society of Hospital Waste Management, the Department of Hospital Administration, and the Department of Microbiology at AIIMS Jodhpur. A pre-conference workshop was conducted on November 2, 2023, for students and faculty.

The conference showcased discussions on various types of biomedical waste and their management, Biohazard control and promoted environmentally sustainable practices in healthcare waste management. The keynote address by Alexander Von Hildebrand (Former Regional Advisor, WHO SEARO) was widely appreciated, in which he had discussed "The global plastics crisis and the use of plastics in the health sector," highlighting the issue of single-use plastics in hospitals and advocating for a circular approach to reduce, reuse, and recycle plastics. There were various lectures, team presentations, panel discussion, resident skit and a final quiz session.

There was active participation, with over 200 delegates from various states in India (UP, Karnataka, Hyderabad, Rajasthan, Delhi) and abroad (Nepal). Additionally, the state chapter ISHWM teams from UP, Karnataka, and Hyderabad also joined the event.

The conference successfully fostered discussions on critical issues in biomedical waste management and promoted sustainable practices in healthcare.



**Dignitaries on the dais releasing the conference souvenir**



**Faculty and participants during the conference**

#### **Others**

1. Dr. Ruchi Garg was conferred with the MNAMS (qualified Diplomate of NBE) in Oct 2023.
2. The department is providing teaching and hands on training to students of IIPH Gandhi Nagar (Public Health Foundation of India) IIHMR Jaipur during their observer ship at AIIMS Jodhpur.

3. Dr Ruchi Garg has been conducting assessment of various health care organization for CGHS empanelment and NQAS Accreditation.

**Outreach Activities by the Department of Hospital Administration:**

These initiatives reflect the department's commitment to promoting health, hygiene, and safety both within AIIMS and in the surrounding community.

1. Clean, Green, and Safe AIIMS Initiative: Ensuring a safe and healthy environment for patients and staff.
2. Plastic-Free AIIMS Initiative: Reducing plastic usage within the hospital premises.
3. Tobacco-Free AIIMS Initiative: Creating a tobacco-free environment for the well-being of patients and staff.
4. Sanitation Drives: Conducting regular sanitation drives outside AIIMS premises as part of the "Swachhta Hi Seva Pakhwada" initiative.
5. Heat wave Awareness: Promoting awareness about preventive measures to protect against heat waves.
6. Menstrual Hygiene Awareness: Educating and raising awareness about menstrual hygiene among the community.

**Name of Faculty: Dr Ruchi Garg**

**Designation: Assistant Professor**

**Papers Presented:**

1. The Relationship Between Patient Satisfaction and Waiting Times: A Meta-Analysis? NAMCON Bangalore 2023
2. Clinical Audit titled - "Accessibility audit of a health care institute in India: Are people with disabilities being provided their rights. CAHOCON Kolkata

**Sessions Chaired:**

1. Oral Presentations on biomedical waste, hospital waste management, sharp waste management, and NSI ISHWMCON 2023

**Invited Lectures**

1. Guest lecture in faculty development program at MGUMST Jaipur.
2. Lecture for nursing staff on Quality in health care, AIIMS Jodhpur.

**Resource Faculty:**

1. The Growing Menace of Violence Against Healthcare Workers" HEAL AFMC Pune 2023

**Research Project:**

**Ongoing:**

**As Principal Investigator**



1. Turnaround time in blood banking and IPDs A critical analysis of its role in enhancing healthcare efficiency and quality.
2. Infection control practices for an effective pathogen free hospital environment and the role of housekeeping services.
3. Integrated life cycle assessment and cost model for been involved during the year under review as life cycle costing of all lab equipment's at an institute of national importance.

#### **As Co-Investigator**

1. [Assessment of Quality of Death Certification Practices in Jodhpur District and Testing Quality Improvement Solutions.
2. Comparative evaluation of patient feedback for quality improvement in Inpatient care in Dermatology wards: A longitudinal

#### **Completed:**

#### **As Principal Investigator**

1. Accessibility audit of a health care institute in India: Are people with disabilities being provided their rights?

#### **Scientific Awards/Patents**

1. Conferred with the MNAMS (qualified Diplomate of NBE) in Oct 2023.

#### **Examinership**

14. External Examiner at MGUMST Jaipur Oct 23

#### **Membership/Post in Journal or Society or Association**

1. Member NAMCOM

#### **National/ International Conferences attended:**

10. NQAS, NHSRC New Delhi 17-22 July 2023.
11. CME and HEAL. AFMC Pune, 14-15 September 2023.
12. 63<sup>rd</sup> NAMS Convocation, Ramaiah Medical College, Bangalore, 6-8 October 2023.
13. ISHWMCON 2023, AIIMS Jodhpur, 2-4 November 2023.

## COLLEGE OF NURSING

S. No	Name	Designation
1	Prof Suresh Kumar Sharma	Professor & Principal, CNO
2	Dr Ashok Kumar	Associate Professor, <b><i>On deputation to ABVMU (U.P.)</i></b>
3	Dr Mukesh Chandra Sharma	Associate Professor
4	Himanshu Vyas	Associate Professor
5	Dr. Gomathi A.	Associate Professor
6	Dr Mamta	Assistant Professor
7	Remiya Mohan	Assistant Professor
8	Vandna Pandey	Assistant Professor
9	Aashish Parihar	Assistant Professor
10	Nipin Kalal	Assistant Professor
11	Nimarta	Assistant Professor
12	Sanjeeta Dara	Assistant Professor
13	Nancy Kurien	Tutor/Clinical Instructor
14	Shrikant K Nair	Tutor/Clinical Instructor
15	Anoop Sharma	Tutor/Clinical Instructor
16	Sanjay Sevak	Tutor/Clinical Instructor
17	Dr. Asif Khan	Tutor/Clinical Instructor
18	Rishi Dutt Avasthi	Tutor/Clinical Instructor
19	Hanuman Ram Bishnoi	Tutor/Clinical Instructor
20	Dr.Irasangappa Mudakavi	Tutor/Clinical Instructor
21	Natwarlal Patidar	Tutor/Clinical Instructor
22	Dr. Satyaveer	Tutor/Clinical Instructor
23	Neetu Tripathi	Tutor/Clinical Instructor
24	Dr Vikas Choudhary	Tutor/Clinical Instructor
25	Anant Chandrakant Chopade	Tutor/Clinical Instructor
26	P Gangadevi	Tutor/Clinical Instructor
27	Raghu V.A.	Tutor/Clinical Instructor
28	Moirangthem Sonia	Tutor/Clinical Instructor
29	Dr Arti	Tutor/Clinical Instructor
30	Dr. Sabari Vel	Tutor/Clinical Instructor
31	Minakshi Shayar	Tutor/Clinical Instructor

32	Gaikwad Deepali Joseph	Tutor/Clinical Instructor
33	Arvind	Tutor/Clinical Instructor
34	Jaishri	Tutor/Clinical Instructor
35	Manish Kumar Balai	Tutor/Clinical Instructor
36	Dr A Latha	Tutor/Clinical Instructor
37	Khina Sharma	Tutor/Clinical Instructor
38	Hemlata	Tutor/Clinical Instructor
39	Priya Sharma	Tutor/Clinical Instructor
40	T Thuileiphy	Tutor/Clinical Instructor

### About the Department

The college of Nursing, AIIMS, Jodhpur was set up in the year 2013 with an aim to provide quality nursing education and training in India. College is currently running four batches of B.Sc. (Hons.) Nursing and two batches of M.Sc. Nursing. Ph.D. nursing program has been started w.e.f Jan 2022. Further College of Nursing is offering Diabetes Management Program, and other skill development learning platforms for nurse clinicians and academicians. The focus is on providing quality educational programs which are evidence based and encourages innovations to improve patient care.

### Skill training: A key focus

Clinical practice readiness of the nursing students is the key focus of nursing education at College of Nursing, which is ensured through swift transition of learning from classroom to real clinical areas through simulation labs. College has state-of-art nursing simulation infrastructure and teaching-learning processes in Adult Nursing Simulation Lab, Pediatric Nursing simulation Lab, Midwifery Simulation Lab and Community Health Nursing Simulation Lab. All these departments take proactive approach and organize simulations sessions for students to enhance learning experiences that simulate real-world healthcare scenarios. Furthermore, rigorous diversified clinical and field training placement of nursing students make them confident and competent budding nurses.



Simulation Sessions for Students

#### 1. Clinical procedures skills enhancement:

- a) Training on basic life support:** Basic Life Support (BLS) simulation session was organized for the B.Sc. (Hons) Nursing students. The session, led by a team of facilitators and instructors, focused on

equipping students with essential life-saving skills, including chest compressions and rescue breathing. The hands-on practice aimed to enhance their confidence and proficiency in responding to cardiac emergencies.



Training on Basic Life Support

- b) Skills demonstration to Nursing & Medical students:** The skill lab of the College of Nursing is utilized by both B. Sc (Hons.) Nursing and M.B.B.S students to enhance their clinical skills. During this, the required procedures like nasogastric tube insertion, phlebotomy, administration of drugs through various routes, urinary catheterization, etc. are practically demonstrated to students. Further as the students step into higher classes the focus is to make students competent in advanced skills. Comprehensive session covering Airway and Oxygen Administration, Mechanical Ventilator use, Bedside Monitoring, Emergency Drugs, and OT Instruments were carried out by trained facilitators.



Skill Demonstration of Clinical Procedures

- c) Biomedical waste management and needle stick injury Prevention:** College of Nursing conducted a session on biomedical waste management and needle stick injury prevention in collaboration with the department of microbiology before starting of clinical posting of B.Sc. Nursing first year batch 2023 in the month of Oct 2023.
- d) Implementation of critical care nursing simulation module:** A critical care nursing simulation module was conducted in the month of March 2024. It commenced with an overview of critical care practices, emphasizing the importance of each topic. Students then delved into the operation and management of mechanical ventilators. ECG interpretation was another key focus. The module also



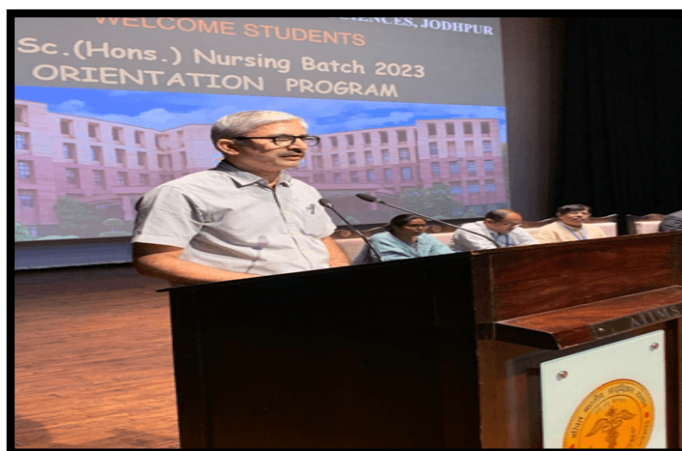
covered bedside monitoring techniques, essential for continuous patient assessment and timely intervention..



Implementation of Critical Care Nursing Simulation Module

## 2. Function / programmes convened during 2023:

- a) **Orientation Program for New batch:** In the month of September 2023, 3 days orientation Program for B.Sc. (Hons) Nursing 2023 batch was organized at AIIMS Jodhpur with an aim to familiarize students with the institution's regulations and academic standards as well acquaint them with their classmates.



Orientation Programme for Batch 2023

- b) **Mentorship Programme:** The mentorship program continues to meet the learning and developmental needs of students. As a new entrant to the B.Sc. (Hons.) Nursing course at AIIMS Jodhpur, students have a unique opportunity to be mentored by a faculty member. The mentor encourages the mentee to actualize her full potential by sharing knowledge and experience and providing constant support and encouragement.
- c) **Freshers 2k23 celebrations:** As the new batch of B.Sc. (Hons.) Nursing 2023 joined and started their journey, a fresher party "UDBHAV" was arranged to welcome them on 11 December 2023.



Fresher Party 2k23

- d) **Commencement of Yoga module:** AIIMS Jodhpur started a structured yoga module for students in Oct 2023. Ist-year nursing students actively participated in yoga.
- e) **Students conquering new heights with each passing day:** Students of College of Nursing AIIMS Jodhpur brought laurels to Institute by excelling in various cultural and sports activities held within and outside the Institute. Academically, students registered their excellence by receiving medals and scoring positions in the Undergraduate, postgraduate program and competitive examinations for nursing officers.



Students Marking Their Presence in Academic &amp; Extracurricular Activities

- 3. **Celebration of Health Day:** College of Nursing celebrated health days with an aim to make people aware about respective health issue and take proactive steps towards good health.
- a) **World health day:** College of Nursing in collaboration with Department of CMFM celebrated World Health Day 2023. This event was marked with various health related activities on the theme, "Health for all." On day one Poster exhibition and quiz competition were held among B.Sc. nursing and M.Sc. nursing students. On the second day of the programme, seminar on millets awareness was carried out wherein experts in the field of nutrition, community and public health shared their views on how to

inculcate health eating habits including Millets.. Further throughout the month of April 2023 cardiovascular disease risk screening programme was carried out for faculty, residents and staff of AIIMS Jodhpur.



World Health Day-2023

- b) **International Nurses Day-2023 celebration:** International Nurses Day-2023 was celebrated at AIIMS Jodhpur. Ms. Ankita Mishra Bundela, Joint Secretary, Ministry of Health & Family Welfare, Government of India graced the occasion as Chief Guest. She released the third edition of the Biannual newsletter of College of Nursing: "Nursing Imprint" and also gave away prizes to the winners of various activities organized during Nurses Week from 8-12 May, 2023.



International Nurses Week 2023 Celebration

- c) **World Mental Health Day 2023:** On World Mental Health Day, which was observed worldwide on October 10, 2023, a weeklong schedule of events has been planned from October 4 to October 10. The College of Nursing and Department of Psychiatry of AIIMS Jodhpur have put their hands together to organize weeklong activities in this regard. The activities include essay-writing competition based on theme, extempore, poster competition, and ward program: Patient's experience sharing &



activities. In ward, patients shared their poem, songs, speeches and drawing skills. All experts appreciated their efforts. Patients prepared selfie points with help of students in the Psychiatry ward. At the end, all guests distributed fruits to the patients of the psychiatry ward. Prof. Kuldeep Singh, Dr. Mukesh Chandra Sharma, Dr. Naresh Nebhinani addressed and felicitated the gathering.



World Mental Health Day 2023

- d) **World Heart Day 2023:** On September 29, 2023, World Heart Day was commemorated in collaboration with the Department of Cardiothoracic and Vascular Surgery (CTVS). As part of the celebration, students actively participated by presenting a skit centered on the theme of heart health at OPD foyer. The event aimed to raise awareness about cardiovascular well-being and underscore the significance of heart health in the community.



World Heart Day 2023

- e) **World Trauma Day:** On October 17, 2023, World Trauma Day was celebrated in collaboration with the Department of Trauma & Emergency. As part of the celebration, students actively participated by presenting a skit and actively participated in poster competition.





World Truma Day 2023

- f) **Newborn week celebration:** The Department of Pediatrics Nursing, College of Nursing, AIIMS Jodhpur celebrated National Newborn Week 2023' with the theme **"Safety, Quality, and Nurturing Care- Birth Right of Every Newborn"** from 15th and 21st November 2023. On 15th November 2023, a workshop was organized by the M.Sc. (Nursing) Pediatrics students on "Breastfeeding" at the postnatal ward to raise mother awareness regarding breastfeeding and increasing competencies among postnatal mothers to provide feeding to their children effectively. On 17th November 2023, a Poster Competition was organized on the theme. On 20th November 2023, the College of Nursing organized a Quiz competition for Nursing officers and students of BSC. (Hons.) Nursing. On 21st November 2023, a Seminar was organized for Faculty, Nursing Officers, and students to delve into the in-depth exploration of the topic "Reducing Neonatal Mortality and Morbidity-The Solutions."



Newborn Week 2023 Celebration

- g) **Universal Health Coverage Day 2023-** The College of Nursing and School of Public Health, AIIMS Jodhpur have put their hands together to organize panel discussion on the occasion of Universal Health Coverage Day, Dec 12, 2023. Three panel discussions on subthemes of universal health coverage day i.e. expanding primary health care, strengthening health system, work across sectors and communities were carried out.



Universal Health Coverage Day 2023

- h) Antenatal Health Awareness Program:** Dept of OBG Nursing organized an antenatal awareness program 15<sup>th</sup> March 2024 for antenatal mothers in the antenatal OPD at AIIMS, Jodhpur that included exhibitions on antenatal care including immunization, diet, rest, exercise and physical as well as psychological preparations for continuation of pregnancy, normal delivery and newborn care.



Antenatal Health Awareness Program

#### 4. New facilities created / conducted during 2023:

- a) Faculty Development program-** Faculty Development Program aims to strengthen the professional competence of the faculty by arranging training programs in various domain areas. In this regard FDP on every last Tuesday of month was initiated with the opening session by Prof. Suresh K Sharma, Principal, College of Nursing, AIIMS Jodhpur on topic of Stress management and productivity at work on 25/07/23 followed by series of sessions on Yoga, Time management, Conflict management, blooms taxonomy, Digital nursing education, Newer methods of assessment, Millers's pyramid and newer approaches in teaching learning.



Faculty Development Program Series

#### 5. Outreach activities conducted during 2023-24:

- a) **Health care services:** The College of Nursing has continued to be active in providing health care services to general population of Jodhpur. Several Health Checkup and screening camps were organized by the students under the supervision of the faculty to provide health services to the marginalized community in remote rural and slum areas.
- b) **Swacchhta Hi Sewa Abhiyan:** College of Nursing, AIIMS Jodhpur Lead Swacchhta Hi Sewa Abhiyan in Dhawa Village on October 1, 2023. Volunteers from the gram panchayat and local people of area participated in activities including cleaning public areas, sweeping streets, and increasing awareness about proper garbage disposal as part of this event. The drive, which aimed at cleaner and greener environment, also focused on creating awareness about proper sanitation practices. The event began with Swachhata Pledge followed by cleanliness drive near the Veterinary Hospital and Community Health Centre.





Swachh Bharat Abhiyan 2023

- c) **School health camp:** On various occasions the students of M.Sc.1<sup>st</sup> year & 2nd year and B.Sc. 4<sup>th</sup> year organized school health programme at Dawa Government higher secondary school under the guidance of faculty. Health assessment followed by Health education was given to the students of 8 - 10<sup>th</sup> class. Different health [ENT, Dental, Opthal] departments were also collaborated. The focus was on early detection and treatment of disease and to make awareness on healthy lifestyle, and substance abuse prevention among school going children.



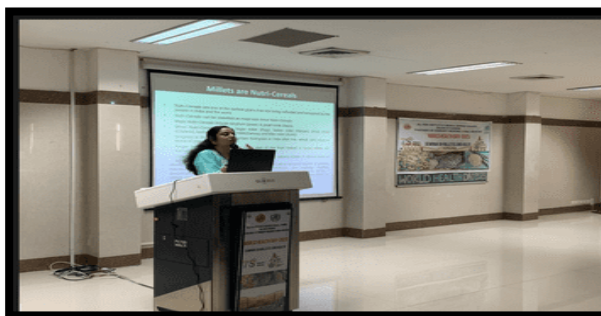
.Nursing Students Conducting School Health Program

#### Workshop/Conferences organized:

1. Seminar on millets awareness organized on occasion of World Health Day organized by Faculty of Community Health Nursing, College of Nursing, April 2023.
2. Workshop on Neonatal Resuscitation Program (NRP) – Optimizing the Golden Hour organized by Faculty of Child Health Nursing, College of Nursing, 19th April 2023.
3. Workshop on Essentials of Wound Management organized by Faculty of Medical-Surgical Nursing, in collaboration with WOCSI, 4th May 2023.
4. Skill Standardization Workshop of Obstetric Procedures under Rashtriya Bal Swasthya Karyakram (RBSK) for the nursing officers organized by Faculty of OBG Nursing in collaboration with Dept of Neonatology, 17/08/23.
5. Workshop on Neonatal Assessment: “Essential for every Pediatric Nurse.” Organized by Faculty of Child Health Nursing, College of Nursing, 21<sup>st</sup> September 2023.
6. BLS and ACLS Workshop for B.Sc. (Hons.) Nursing 2nd Year Students 6th December 2023
7. Basic surgical nursing workshop organized by Faculty of Medical-Surgical Nursing, College of Nursing, 16th December 2023.
8. Comprehensive Cardiovascular Nursing Symposium and Workshop organized by Faculty of Medical-Surgical Nursing, 16th to 18th February 2024.

#### Reports:

1. **Seminar on millets awareness on World Health Day 2023-** A seminar on millets and health was organized on 10th April by College of Nursing. The seminar was graced by Dr Kuldeep Singh & Dr Surajit Ghatak as chief guests. On this occasion, Principal of Nursing College, Dr. Suresh Kumar Sharma unveiled the World Health Day 2023 theme i.e. health for all. Speaking in the seminar, Dr. Rashmi Rathod, senior nutritionist, explained the benefits of coarse grains. Dr Naveen KH Associate Professor talked about the efforts being made in India and at the individual level. Dr. Gomathi A explained the importance of coarse grains in food security. Total of 100 participants attended the seminar.



Seminar on Millets Awareness on World Health Day 2023

2. **Workshop on “Neonatal resuscitation program (NRP)-** Child Health Nursing faculty organized one day workshop on “Neonatal Resuscitation Program (NRP) – Optimizing the Golden Hour” at College of Nursing, All India Institute of Medical Sciences, Jodhpur on 19th April, 2023.



Workshop on “Neonatal Resuscitation Program (NRP)”

3. **Essentials of wound management workshop:** The Department of Medical-Surgical Nursing, in collaboration with WOCSI, organized a comprehensive workshop on "Essentials of Wound Management" on 4th May 2023. This workshop was designed to enhance the skills and knowledge of nursing professionals, students, and academicians in effective wound care management. Delivered by experienced clinicians and wound care specialists, the workshop covered a wide range of topics essential for high-quality wound care, including wound assessment, advanced wound dressing techniques, infection control, and the latest innovations in wound management. Participants engaged in hands-on sessions, case studies, and interactive discussions, ensuring a practical learning experience that could be directly applied in clinical settings. This workshop aimed to equip attendees with the latest evidence-based practices and tools for managing various types of wounds, promoting faster healing, and improving patient outcomes.





Essentials of Wound Management Workshop

4. **Skill standardization workshop of obstetric procedures** - Dept. of OBG Nursing in collaboration with Dept of Neonatology organized 1 day skill standardization program under Rashtriya Bal Swasthya Karyakram (RBSK) for the nursing officers working at PHC's and CHC's of Rajasthan State on 17/08/23 at the Midwifery Skill Lab in College of Nursing. Various skills related to midwifery care were demonstrated to the participants including antenatal history taking and examination, intranatal care, essential newborn care, examination of placenta and postnatal care.



Skill Standardization Workshop of Obstetric Procedures

5. **Workshop on neonatal assessment: essential for every pediatric nurse-** One day workshop on neonatal assessment was organized by team Child Health Nursing on 21<sup>st</sup> September 2023. The objectives of the workshop were to enhance skill in neonatal assessment at birth and post-natal period to rule out congenital anomalies and any abnormal conditions.



Workshop on Neonatal Assessment: Essential for Every Pediatric Nurse

6. **BLS and ACLS workshop for B.Sc. (Hons.) Nursing 2nd year students:** The Department of Medical-Surgical Nursing organized a comprehensive workshop on Basic Life Support (BLS) and Advanced Cardiovascular Life Support (ACLS) specifically for 2nd-year B.Sc. Nursing students on 6th December 2023. Led by experienced instructors certified in BLS and ACLS, the workshop covered critical areas including cardiopulmonary resuscitation (CPR), the use of automated external defibrillators (AEDs), and advanced interventions for cardiac arrest, stroke, and other cardiovascular emergencies. The hands-on training sessions allowed students to practice these skills in simulated emergency scenarios, enhancing their confidence and competence in real-life situations. Through this workshop, students gained a solid foundation in both BLS and ACLS protocols, preparing them to respond effectively to cardiovascular emergencies and contribute to improved patient outcomes in their future clinical practice.



BLS and ACLS workshop for B.Sc. (Hons.) Nursing 2nd Year Students

7. **Basic Surgical Nursing workshop:** The Department of Medical-Surgical Nursing organized a focused workshop on Basic Surgical Nursing for 2nd-year B.Sc. Nursing students on 16th December 2023. Led by experienced surgical nurses and clinical educators, the workshop covered a broad spectrum of topics including preoperative and postoperative care, sterile techniques, wound care,



patient safety, and the management of surgical instruments. Interactive sessions and hands-on training enabled students to practice and refine their skills in a controlled environment, fostering both competence and confidence in surgical settings. The workshop also included case studies and real-world scenarios to help students understand the complexities and nuances of surgical nursing.



Basic Surgical Nursing Workshop

8. **Cardiovascular Nursing Symposium and Workshop for nursing personnel and students:** The Department of Medical-Surgical Nursing hosted a comprehensive Cardiovascular Nursing Symposium and Workshop from 16th to 18th February 2024. The symposium brought together leading experts in cardiovascular care who delivered insightful lectures on the latest advancements, research findings, and best practices in cardiovascular nursing. Topics covered included the management of cardiovascular diseases, innovative treatment modalities, patient education, and preventive strategies. Complementing the symposium, the workshop offered hands-on training sessions focusing on practical skills essential for cardiovascular nursing. Participants engaged in activities such as cardiac monitoring, advanced life support techniques, management of acute cardiac events, and the use of specialized cardiovascular equipment. Real-world case studies and interactive discussions were incorporated to ensure a holistic learning experience.



Cardiovascular Nursing Symposium and Workshop

#### Eminent Visitors:

- a) **Visit by experts from Institutes of International repute:** In the previous year College of Nursing had been visited by eminent personalities from Institutes of International repute. Experts from

Karolinska Institute, Sweden, Tempere University, Finland and University of Copenhagen, Denmark visited College of Nursing to discuss possible collaboration opportunities in Ph.D.(Nursing) & Post-Doctoral Nursing programs.



Inspiration Meets Excellence: Visit of Eminent Personalities

## Paper

### Pubmed Indexed:

1. Kumar S, Sharma SK, Mudgal SK, Gaur R, Agarwal R, Singh H, Kalra S. Comparative effectiveness of six herbs in the management of glycemic status of type 2 diabetes mellitus patients: A systematic review and network meta-analysis of randomized controlled trials. *Diabetes Metab Syndr.* 2023 Aug;17(8):102826. PMID:37451111
2. Kodi SM, Sharma SK, Basu S. Perception, perceived scope, and potential barriers towards developing nurse practitioners cadre among health care providers and beneficiaries: A pilot study from Northern India. *J Edu Health Promot.* 2023;12:92. PMID: 37288389
3. Mudgal S K, Gaur R, Rulaniya S, et al. Pooled Prevalence of Long COVID-19 Symptoms at 12 Months and Above Follow-Up Period: A Systematic Review and Meta-Analysis. *Cureus.* 2023;15(3):e36325. PMID:37077615
4. Kalal N, Sharma SK, Rana N, Kumar A. Impact of COVID-19 on lifestyles related etiquette among nursing staff in India: a cross-sectional descriptive e-survey. *Invest. Educ. Enferm.* 2023;41(1):e06. PMID: 37071861
5. Mandal A, Sharma S K, Yadav S, Shariff AAM, Thakur MS, Jachack S et al. Efficacy of Young *Cinnamomum zeylanicum* Blume Bark on Hyperglycemia and PTPase Activity in Type 2 Diabetes. *Cureus.* 2023 Feb; 15(2): e35023. PMID: 36938283
6. Varshney S, Angral S, Aggarwal P, Sharma S, Kumar N, Sasanka RSBS, Anand P. Effect of electromagnetic radiation from mobile phone on auditory brainstem response. *Indian J Otolaryngol Head Neck Surg.* 2023 Jan;75(Suup1):380-92. PMID:37206726
7. Sharma SK, Mudgal SK, Kalra S, Gaur R, Thakur K, Agarwal R. Effect of intermittent fasting on glycemic control in patients with type-2 Diabetes Mellitus: A systematic review and meta-analysis of randomized controlled trails. *Eur J Endocrinol.* 2023 Jan;9(1): 25-32. PMID:37313231

8. Nebhinani N, Kuppili PP, Mamta. Feasibility and effectiveness of stress management skill training in medical students. *Med J Armed Forces India*. 2024; 80(2):140-144. doi:10.1016/j.mjafi.2021.10.007. PMID: PMC10954490
9. Nebhinani N, Mamta, Singh L, Lakra V. Mental Health System Development in Australia: Reflections, opportunities and challenges for India. *Indian Journal of Psychiatry*. 2023; 65 (Suppl 1):S45-46. PMID: PMC10124792.
10. Kalal N, Sharma SK, Yadav S. Commentary: Nurses' experiences of the social stigma caused by the COVID-19 pandemic: a qualitative study. *Journal of Research in Nursing*. 2023; 28(2):116-117. doi:10.1177/17449871231163169 PMID: 37152200 PMID: PMC10140771
11. Yadav S, Kalal N, Sharma SK, Deora S. The development and randomised feasibility trial of a Nurse-led lifestyle modification follow-up programme among post-myocardial infarction patients. *J Res Nurs*. 2023 May; 28(3):230-246. doi: 10.1177/17449871231163983. Epub 2023 Jun 13. PMID: 37332316; PMID: PMC10272690.
12. Kalal N, Vel NS, Angmo S, Choyal S, Bishnoi S, Dhaka S, Rulaniya S, Banswal S. Smartphone addiction and its impact on quality of sleep and academic performance among nursing students. Institutional based cross-sectional study in Western Rajasthan (India). *Invest Educ Enferm*. 2023 Aug 24; 41(2):e11. doi: 10.17533/udea.iee.v41n2e11.. PMID: PMC10599697.
13. Gaur R, Patidar V, Kumar S, Sharma SK, Kalyani VC, Kalal N, Mudgal SK. Utilization of smartphones and attitude regarding their use at the workplace by nurses: A Cross-Sectional Study. *Cureus*. 2024 Mar 26;16(3):e57000. doi: 10.7759/cureus.57000. PMID: 38681409; PMID: PMC11046013.
14. Pandey V, Mohan R, Kumar A, Gangadevi P, Kurien N. The impact of the covid-19 outbreak on lifestyle-related behavior among the general population. *Cureus*. 2023 Sep 22;15(9): e45756. doi: 10.7759/cureus.45756. PMID: 37872892; PMID: PMC10590493.
15. Sharma GP, Sharma MC, Mohan R, Khera D, Raghu VA. A cross-sectional study to assess the anxiety and coping mechanism among primary caregivers of children admitted in PICU. *Journal of Family Medicine and Primary Care*. 2023 Sep 1;12(9):2042-6 doi: 10.4103/jfmpc.jfmpc\_675\_23. PMID: **38024925**
16. Chauhan J, Vyas H, Singh P, Sharma MC, Thirunavukkarasu D. Effect of supported sitting position during second stage of labor on its outcome in primigravidae: A quasi-experimental study. *Journal of Family Medicine and Primary Care* 12(9):p 2014-2019, September 2023. doi: 10.4103/jfmpc.jfmpc\_359\_23 PMID: [38024889](#)
17. Raj K S, Vyas H, Mohan R, Sasidharan R, Yadav B, Gupta N. 90 versus 60 min of early skin-to-skin contact on exclusive breastfeeding rate in healthy infants' ≥35 weeks: A randomized controlled trial. *Acta Paediatr*. 2023;00:1–7. <https://doi.org/10.1111/apa.17021>. PMID: **37905336**
18. Vyas H, Mariam OJ, Bhardwaj P. Quality of maternal and newborn health services and their impact on maternal-neonatal outcome at a primary health center. *J Family Med Prim Care*. 2024 Feb;13(2):505-511. doi: 10.4103/jfmpc.jfmpc\_843\_23. Epub 2024 Mar 6. PMID: 38605802; PMID: PMC11006057.
19. Mishra R, Hemlata, Trivedi D. Simulation-based learning in nursing curriculum- time to prepare quality nurses: A systematic review and meta-analysis. *Heliyon*. 2023 May 2;9(5):e16014. doi: 10.1016/j.heliyon.2023.e16014. PMID: 37206022; PMID: PMC10189473.
20. Patiyal N, Pandey V, Kumar A. Lived experiences of post-mastectomy women: A qualitative study of Western Rajasthan. *J Educ Health Promot*. 2023 Aug 31;12:275. doi: 10.4103/jehp.jehp\_1591\_22. PMID: 37849867; PMID: PMC10578526.

21. Aktar S, Pandey V, Kumar A. Attitude of nurses caring critically ill patients admitted in the ICUs of AIIMS Hospital, Jodhpur. J Educ Health Promot. 2023 Apr 28;12:125. doi: 10.4103/jehp.jehp\_1181\_22. PMID: 37397110; PMCID: PMC10312395.

### Non-PubMed indexed

1. Acharya P, Huda F, Sharma SK, Verma S, Hassan M, Karan S et al. Breast Cancer Awareness in Urban and Rural Females of Uttarakhand, India: A Cross-sectional Study. J Clin Diag Res, 2023;17(7): 12-6.
2. Jelly P, Sharma SK, Saxena V, Sharma R. A Comprehensive Review of Causes and Determinants of Maternal and Infant Mortality in Uttarakhand. Journal of Health Management. 2023; 25(2):291-298.
3. Nebhinani N, Mamta, Modi S, Singh SR, Soni P. Correlates of Psychological wellbeing among First year Medical Students: An Exploratory Study. Medical Journal of Dr. D.Y. Patil Vidyapeeth 2023 June. DOI: 10.4103/mjdrdypu.mjdrdypu\_1006\_22.
4. Choudhary D, Kalal N, Kumar A, Choudhary GR, Sharma P. Effect of a Nurse-Directed Education Program on Improvement in Severity of Symptoms and Quality of Life among Patients with Benign Prostate Hypertrophy: A Quasi-Experimental Study. Urologic Nursing. 2023 Nov 1; 43(6).
5. Choudhary D, Kalal N, Kumar A, Choudhary GR, Sharma P. The feasibility trial of nurse-directed education programme among benign prostatic hyperplasia patients. International Journal of Urological Nursing. 2024 Mar; 18(1):e12378.
6. Joseph J, Sharma S, Kalal N, Manjula GB. The National Education Policy of India (2020): Reform in nursing education? J Med Evid 2023;4: 82-5.
7. Savita, Kumar A, Nimarta, Pareek P, Nair SK. Radiation administration checklist for patients undergoing radiation therapy: Development and validation. Asian Pac J Cancer Care, 8 (4), 763-770.
8. Mohan R, Pandey V, Kurien N. India as global centre for traditional medicine: Needs, initiatives, and challenges. J Ayurveda 2023;17:150-3.
9. Sharma SK, Malhotra P, Lata H, Sahotra S, Choudhary R. Prevalence of anxiety amongst elderly people residing in old-age homes: A cross-sectional study from sub-Himalayan region, Uttarakhand, India. J Med Evid 2023;4:136-40.
10. Sharma GS, Lata H, Kumari R, Pai VS, Kandari, S, Huda F et al Assessment of Knowledge, Attitudes and Practices Regarding Chronic Kidney Disease in at-Risk Individuals: A Hospital-Based Cross-Sectional Study. J Med Evid 2023;4:7-12.
11. Aktar S, Pandey V, Kumar A. Experiences of nurses caring critical ill patient. Int J Cur Res Rev 2023;15(11). DOI: <https://doi.org/10.31782/IJCRR.2023.151101>
12. Dhama V, Parihar A, Pandey V, Rani R. Knowledge and dealing strategies regarding learning disability in students among teachers at selected schools of Jodhpur. Indian J Psy Nsg 2023;20:7-12.
13. Balai MK, Raghu VA, Avasthi RD Bishnoi HR. Mental and emotional experiences among registered nurses during SARS COV-2: A Meta Synthesis. Indian J Psy Nsg 2023; 20:66-75.
14. Dara, S, Arora, S. Adolescent health problems and strategies to improve them. International Journal Of Community Medicine And Public Health 2023; 10(7), 2645–265

### Faculty: Medical Surgical Nursing

S.No.	Name of the faculty	Designation
1.	Prof. Suresh K Sharma	Prof & Principal

2.	Dr Ashok Kumar	Associate Professor, <b><i>On deputation to ABVMU (U.P.)</i></b>
3.	Vandna Pandey	Assistant professor
4.	Nipin Kalal	Assistant professor
5.	Nimarta	Assistant professor
6.	Nancy Kurien	Tutor / Clinical Instructor (Nursing)
7.	Shrikant K Nair	Tutor / Clinical Instructor (Nursing)
8.	Natwar Patidar	Tutor / Clinical Instructor (Nursing)
9.	Dr. Vikas Choudhary	Tutor / Clinical Instructor (Nursing)
10.	P Gangadevi	Tutor / Clinical Instructor (Nursing)
11.	Moirangthem Sonia	Tutor / Clinical Instructor (Nursing)
12.	Dr. Sabari Vel	Tutor / Clinical Instructor (Nursing)
13.	Gaikwad Deepali Joseph	Tutor / Clinical Instructor (Nursing)
14.	Khina Sharma	Tutor / Clinical Instructor (Nursing)
15.	Priya Sharma	Tutor / Clinical Instructor (Nursing)

**Name of Faculty: Prof Suresh K Sharma**

**Designation: Professor & Principal, College of Nursing & Chief Nursing Officer**

#### **Books/Chapters**

1. Sharma SK. Lippincott Manual of Medical-Surgical Nursing. New Delhi: Wolter Kluwer. 2<sup>nd</sup> Edition; Jan, 2024.
2. Sharma SK, Yadav P. Jaypee's Nursing Drug Book 2024- 2025. 3<sup>rd</sup> ed. New Delhi: Jaypee Brothers Medical Publication, March, 2024.
3. Sharma SK, Mudgal SK. Nursing Foundation for Post Basic B.Sc. Nursing. New Delhi: Jaypee Brothers Medical Publication.
4. Sharma SK. Sharma R. Communication & Educational Technology: A contemporary pedagogy for healthcare professionals. 3<sup>rd</sup> Edition. New Delhi: Elsevier, Jan 2024.

#### **Sessions Chaired:**

1. Panel discussion on the status of endocrine nursing in India. 52<sup>nd</sup> Annual Conference of the Endocrine Society of India, 2<sup>nd</sup> Annual Conference of Endocrine Society of Telangana & 6<sup>th</sup> Biennial SAFES International Endocrine Summit; 14-17 Dec 2023, Hyderabad.
2. Chair of Doctoral Thesis Oral Presentation. 13<sup>th</sup> National & 5<sup>th</sup> International Congress of Turkish Surgical and Operating Room Nurses; 16-19 Nov 2023, Kushadashi-Aydin, Turkey.
3. Ensuring Safety in the Operating Room: Best Practices & Collaborative Approachs. 13<sup>th</sup> National & 5<sup>th</sup> International Congress of Turkish Surgical and Operating Room Nurses; 16-19 Nov 2023, Kushadashi-Aydin, Turkey.

#### **Invited Lectures**



1. Writing a nursing textbook: Start, keep moving and publishing; 2023, Oman College of Health Sciences, Ministry of Health, Sultanate of Oman.
2. Panelist, Challenges of starting stem cells & HCT/P from scratch and its quality accreditation. AIIMS Jodhpur-IIT Jodhpur Joint Conclave: Stem Cell, Cellular Therapy, Gene Therapy and Tissue Engineering; 2023, AIIMS, Jodhpur.
3. Panelist, Beyond the Bedside: How Nurses Can Help to Shape the Future of Healthcare; 12 July 2023, Elsevier.
4. Publishing in high quality indexed journal: a guide for nursing scholars. 4<sup>th</sup> National Conference; 13-15 Sep 2023, College of Nursing, NEIGRIHMS, Shillong.
5. Country's Midwifery situation, and context from India. Workshop on Strengthen the integration of midwifery in health systems in South Asia: a leader-to-leader collaboration between India, Nepal and Sweden; 9-11 Nov 2023, Nepal.
6. Health, happiness & productive life among perioperative nurses. 13<sup>th</sup> National & 5<sup>th</sup> International Congress of Turkish Surgical and Operating Room Nurses; 16-19 Nov 2023, Kushadashi-Aydin, Turkey.
7. Incident reporting & root cause analysis. Workshop on Unit management; 11 Dec 2023, AIIMS Bhubaneswar.
8. Generative AI: Opportunities & Obstacles. Faculty Development Workshop; 21 Dec 2023, Jodhpur Institute of Engineering & Technology, Jodhpur.
9. Sample estimation, and hands-on demonstration. Hands-on workshop on biostatistics; 8 Jan 2024, College of Nursing, AIIMS, Nagpur.
10. Updates about Society of Perioperative Nursing India & IFPN at Turkish Surgical & Operating Room Nurses Association European Perioperative Nursing Day; Feb 2024, Turkey.
11. Emerging role of nurses for Heart failure prevention and management in India. 2<sup>nd</sup> Annual joint meeting of International Society of Heart Research (Indian section) and International Academy of Cardiovascular Sciences (Indian section); 16-18 Feb 2024, AIIMS Jodhpur. .
12. Panellist, Kill before it kills you: strategies to achieve 90% vaccination cover in India. ECHO India National Roundtable Summit on cervical cancer; 9 March 2024, Bengaluru.
13. Futuristic Nursing Research and Global Inequalities. National Conference-2024; 20-21 March 2024, Datta Medhe Institute of Higher Education & Research, Wardha.

### **Research Project:**

#### **Ongoing:**

#### **As Co-Investigator**

1. m-Health based intervention by community workers to support family caregivers to persons with dementia living at home. Indian Council of Medical Research [Proposal ID-2022-17260].

### **Examinership**

1. PhD Thesis viva. Ms. Aileen J. Development and Validation of patient safety culture model for assessment of patient safety culture in hospitals" Faculty of Dental Science, Ramaiah University of Applied Sciences, Bangalore, 23<sup>rd</sup> Dec, 2023.

### **Membership/ Post in Journal or Society or Association**

1. Section Editor, Journal of Medical Evidence.

2. President, Society of Perioperative Nursing, India

**Name of Faculty: Vandna Pandey**

**Designation: Assistant Professor**

**Research Project:**

**Ongoing:**

**As Co-Investigator**

1. Analysis of Adversity Quotient, Emotional Intelligence, and Job Satisfaction among Nursing Personnel: A descriptive cross-sectional study.

**Completed**

**As Principal Investigator**

1. Impact of COVID-19 outbreak on lifestyle related behavior among the general population: A cross-sectional study.
2. Health related quality of life of employed women and unemployed women: A cross-sectional study.

**As Co-Investigator**

1. Acceptance and attitude of parents regarding COVID 19 vaccine in children: A cross-sectional study.
2. Anxiety among adolescent during COVID 19 pandemic: A cross-sectional study."

**Course Completed/Ongoing**

1. Trauma nursing course (online) from Academy for clinical Emergency Nursing in India (ACEN India) from July 2023 to December 2023.

**Examinership**

1. Internal Examiner M.Sc. Nursing and B.Sc. (Hons.) Nursing, AIIMS, Jodhpur, August-2023 and Oct 2023.
2. External examiner for B.Sc. nursing (Post basic) first year, PGIMER, Chandigarh, August 2023
3. External examiner for B.Sc. (Hons) Nursing 2nd year, Main Examinations, AIIMS Rishikesh, September 2023
4. External examiner for B.Sc. (Hons) Nursing 2<sup>ND</sup> year, Supplementary Examinations, AIIMS, Rishikesh, January 2024

**Membership**

1. Life Membership Society of Antimicrobial Stewardship practices (SASPI).
2. Editorial Board Member in Journal of Antimicrobial stewardship practices and infectious diseases

**Organizing faculty:**

1. Organizing committee member in 5<sup>th</sup> national conference antimicrobial stewardship practices in India ASPICON 2023 held from 30<sup>th</sup> September to 1<sup>st</sup> October 2023 organized by AIIMS Jodhpur and SASPI India.

2. Organizing committee member in Precision Antifungal diagnostic stewardship workshop on 29 September 2023 organized by AIIMS Jodhpur and SASPI India.

**Name of Faculty: Nipin Kalal**

**Designation: Assistant Professor & Deputy Nursing Superintendent**

**Books/Chapters**

1. Nipin K. Textbook of Professionalism, Professional Values and Ethics, including Bioethics Published by Elsevier.
2. Nipin K. Textbook of Handbook of Forensic Nursing published by Elsevier.

**Resource Faculty:**

1. "Essentials of wound management" on 04<sup>th</sup> May 2023 at College of Nursing AIIMS Jodhpur
2. Webinar on "Importance of nurses becoming entrepreneurs" on 11<sup>th</sup> July 2023 organized by Sumandeep Nursing College Vadodara, Gujarat,
3. 8<sup>th</sup> national midterm PHO CME, 21<sup>st</sup> -23<sup>rd</sup> July 2023 organized by AIIMS Jodhpur and IAP PHO chapter.
4. 8th Annual Conference of PediSTARS on Healthcare Simulation from 23<sup>rd</sup> to 26<sup>th</sup> September 2023 at All India Institute of Medical Sciences Kalyani West Bengal, India
5. Expert in ECHO India western Region (Nursing) Partner launch training on 16<sup>th</sup> -17<sup>th</sup> October 2023 organized by ECHO India at Ahmedabad.
6. National level workshop on "Emergency situations and Disaster management" on 20<sup>th</sup> December 2023 organized by Sumandeep Nursing College.
7. Cardiovascular Nursing Symposium & Workshop conducted on 16<sup>th</sup> to 18<sup>th</sup> Feb 2024 under the 2<sup>nd</sup> Joint annual meeting of international society for heart research & international academy of cardiovascular sciences by Department of cardiology at AIIMS Jodhpur
8. Association of emergency medicine educators conference 2024 (AEMECON 2024) from 15<sup>th</sup> to 17<sup>th</sup> March 2024 at PGIMER, Chandigarh.
9. Master Trainer in National Emergency life support training from 18<sup>th</sup> to 20<sup>th</sup> March 2024 organized for different state at PGIMER, Chandigarh.

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. Acquaintance, attitude and perceived barriers regarding scientific research publications among clinical nurses: A cross sectional study at tertiary care hospital in western Rajasthan
2. Effect of nutritional counselling program on nutritional indicators, Quality of life and side effects associated with anti-tubercular treatment among patients with pulmonary tuberculosis: A Randomized controlled trial.
3. Effect of Nurse led respiratory muscle training on functional capacity and respiratory muscles strength in patients with haemodialysis : a randomized controlled trial
4. Effectiveness of Savasana on pain intensity and physiological parameters in patients undergoing extracorporeal shock wave lithotripsy : a randomized controlled trial



**As Co-Investigator**

1. Effect of white noise on pain in unconsciousness patients with brain injury: A quasi-experimental study
2. Spiritual care competency among nurses at tertiary care teaching hospital: A cross sectional study

**Completed:As Principal Investigator**

1. Effect of nurse led education intervention on post-operative complication and functional outcome among patients planned to undergo TURP: A quasi-experimental study."
2. Effect of rhythmic breathing on selected respiratory parameters of patients underwent cardiac surgery: A randomized controlled trial
3. Fracture risk prediction and kidney function among patients with different stages of chronic kidney disease: A correlational study
4. Nurses' experiences of the social stigma caused by the COVID-19 pandemic: a qualitative study.
5. Smartphone addiction and its impact on quality of sleep and academic performance among nursing students. Institutional based cross-sectional study in Western Rajasthan (India).
6. Effect of a nurse-directed education pro-gram on improvement in severity of symptoms and quality of life among patients with benign prostate hypertrophy: A quasi-experimental study.
7. Senior student nurse's perception and professional career plan in India: a cross- sectional e-survey
8. Screening of tuberculosis among nurse clinicians: An analytical observational study at tertiary care hospital in western Rajasthan
9. Artificial intelligence supported patient care in cardiovascular diseases: A paradigm shift from conventional to digital
10. Integration of Nursing Education and Service: A Pragmatic Model to Empower Nurses and Inform Healthcare Policy in India
11. Emergence of Forensic Nursing in India: A catalyst for change in Healthcare System

**As Co-Investigator**

1. The National Education Policy of India (2020): Reform in nursing education?
2. Utilization of Smartphones and Attitude Regarding Their Use at the Workplace by Nurses: A Cross-Sectional Study
3. Empathy among male and female nurses in India: A cross sectional analytical study.
4. Discharge readiness and its predictors in post craniotomy patients at tertiary care teaching hospital: A cross- sectional analytical study
5. Effectiveness of Virtual reality supported exercises therapy in improving upper extremity rehabilitation and activities of daily living in stroke patients: A Systematic review of randomized control trial
6. Methods of nursing shift handover and its Outcome in Terms of patient safety in Health Care Systems- Systematic Review

**Examinership**

1. Professional Final Examination, Internal examiner at College of Nursing, AIIMS, Jodhpur.( B.Sc. (Hons.) Nursing 2<sup>nd</sup> Year & M.Sc. Nursing)
2. B.Sc. (Hons.) Nursing 2<sup>nd</sup> Year Supplementary Examination, Internal examiner at College of Nursing, AIIMS, Jodhpur.
3. Internal examiner as a paper setter in AIIMS Jodhpur. (B.Sc. Nursing & M.Sc. Nursing)

4. External PG theses evaluator and Paper setter in Baba Farid University of health sciences, Faridkot, Punjab..
5. PG Dissertation evaluator in Gujarat University, Ahmedabad.
6. PG Question paper setter in Gujarat University, Ahmedabad.
7. External PG Examiner of Medical Surgical Nursing and Nursing education on 14-15 Dec 2023 at Baba Farid University of health sciences, Faridkot, Punjab.
8. Paper setter for 1<sup>st</sup> Year B.Sc. Nursing as an External examiner in AIIMS, Nagpur
9. Internal examiner of M.Sc Nursing 2<sup>nd</sup> year for Medical Surgical Nursing on 28-29 August 2023.
10. Internal examiner of M.Sc Nursing 2<sup>nd</sup> year for Dissertation viva voce on 29 August 2023.
11. Paper setter in the subject of Nursing Education for M.Sc. Nursing 1<sup>st</sup> year in Sumandeep university, Vadodara.
12. External examiner of B.Sc Nursing 1<sup>st</sup> year for Nursing Foundation on 13-14 September 2023 at College of Nursing AIIMS Bhopal.
13. External examiner of B.Sc Nursing 3<sup>rd</sup> year for Medical Surgical Nursing-II on 9-12 October 2023 at College of Nursing AIIMS Bhubaneswar.
14. External examiner of B.Sc Nursing 2<sup>nd</sup> year for Medical Surgical Nursing-I on 6-8 November 2023 at College of Nursing AIIMS Bhatinda.
15. External examiner of B.Sc Nursing 2<sup>nd</sup> year for Genetics on 7-8 January 2024 at College of Nursing AIIMS Bhopal.
16. Deputed as Faculty external in INI-CET for PG courses on 7<sup>th</sup> May 2023.
17. Deputed as Faculty external in NORCET-4 for on 3<sup>rd</sup> June 2023

#### **National/ International Conferences attended:**

1. CME on Deceased donor transplantation program at SGPGI Lucknow from 14<sup>th</sup> & 15<sup>th</sup> May 2023
2. Training course in management for senior nursing administration at NIHFWS, New Delhi during 20<sup>th</sup> - 24<sup>th</sup> November 2023.
3. Capacity building initiative ECHO India, a two-day orientation Program (Partner Launch Training) in New Delhi from 27<sup>th</sup> & 28<sup>th</sup> February 2024

#### **Membership/Post in Journal or Society or Association**

1. Executive Editor of The WOCHI Journal of Medical Science
2. Membership of society of perioperative nursing

#### **Any other information:**

1. Organizing secretary of Workshop conducted on "Essentials of wound management" on 04<sup>th</sup> May 2023 at College of Nursing AIIMS Jodhpur
2. Organized workshop on Basic and Advanced cardiac life support on 6/12/23 at College of Nursing AIIMS Jodhpur
3. Organized training course on basic surgical nursing skill on 16/12/2023 at College of Nursing AIIMS Jodhpur
4. Organizing member in 8<sup>th</sup> national midterm PHO CME organized by AIIMS Jodhpur and IAP PHO chapter, from 21<sup>st</sup> -23<sup>rd</sup> July 2023.
5. Organizing Secretary of Cardiovascular Nursing Symposium & Workshop conducted on 16<sup>th</sup> to 18<sup>th</sup> Feb 2024 under the 2<sup>nd</sup> Joint annual meeting of international society for heart research & international academy of cardiovascular sciences by Department of cardiology at AIIMS Jodhpur.

**Name of Faculty: Nimarta**

**Designation: Assistant Professor**

**Resource Faculty:**

1. Cardiovascular Nursing Symposium & Workshop. 2<sup>nd</sup> Joint annual meeting of international society for heart research & international academy of cardiovascular sciences; 16<sup>th</sup>- 18<sup>th</sup> Feb 2024, Department of cardiology, AIIMS, Jodhpur.

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. Effect of white noise on pain in unconsciousness patients with brain injury: A quasi-experimental study.
2. Spiritual care competency among nurses at tertiary care teaching hospital: A cross sectional study
3. Pain behaviour and pain management practices in mechanically ventilated critically ill patient: A cross-sectional study

**As Co-Investigator**

1. Effect of Nurse led respiratory muscle training on functional capacity and respiratory muscles strength in patients with hemodialysis: A quasi-experimental study
2. Pathological buying behaviour, workplace stress and subjective social status among clinical nurses: A correlational single centre study from northwest India.

**Completed:**

**As Principal Investigator**

1. Discharge readiness and its predictors in post craniotomy patients at tertiary care teaching hospital: A cross- sectional analytical study.
2. Migraine specific quality of life and disability among patients with migraine: A Cross-sectional study.
3. Effect of tactile stimulation on the consciousness level and vital signs of patients admitted with traumatic brain injury: A quasi- experimental study"
4. Medicine adherence to antiepileptic drugs among epilepsy patients: A cross- sectional study

**As Co-Investigator**

- Level of functional in post stroke patients: A descriptive study

**Examinership:**

1. Professional Final Examination, Internal examiner at College of Nursing, AIIMS, Jodhpur (B.Sc. (Hons.) Nursing 3<sup>rd</sup> Year & M.Sc. Nursing)
2. B.Sc. (Hons.) Nursing 3<sup>rd</sup> Year Supplementary Examination, Internal examiner at College of Nursing, AIIMS, Jodhpur.
3. Internal examiner as a paper setter in AIIMS Jodhpur. (B.Sc. Nursing & M.Sc. Nursing)
4. Paper setter for B.Sc. Nursing 2<sup>nd</sup> year as an External examiner for subject Adult Health Nursing II at Uttar Pradesh University of Medical Sciences.

5. Paper setter for B.Sc. Nursing 4<sup>th</sup> year as an External examiner for subject Nursing Education and Management at College of Nursing, AIIMS Rishikesh
6. Internal examiner of M.Sc. Nursing 2<sup>nd</sup> year for Medical Surgical Nursing on 28-29 August 2023, AIIMS, Jodhpur.
7. Internal examiner of M.Sc. Nursing 2<sup>nd</sup> year for Dissertation viva voce on 29 August 2023, AIIMS, Jodhpur.
8. External examiner of B.Sc. Nursing 1<sup>st</sup> year for Nursing Foundation on 25-27 September 2023 at College of Nursing AIIMS Rishikesh

**Name of Faculty: Nancy Kurien**

**Designation: Tutor/ Clinical Instructor (Nursing)**

**Books/Chapters**

1. Kurien N, Joseph J. Forensic Science In Handbook of Forensic Nursing. Suresh Sharma, Tanuj Kanchan, Elsevier Publishers 2023;1-12.

**Research Project:**

**Ongoing:**

**As Co-Investigator:**

1. Analysis of Adversity Quotient, Emotional Intelligence, and Job Satisfaction among Nursing Personnel: A descriptive cross-sectional study.

**Completed:**

**As Co-Investigator**

1. Health-related quality of life of employed women and unemployed women: a cross-sectional study.

**Name of Faculty: Shrikant K. Nair**

**Designation: Tutor/ Clinical Instructor (Nursing)**

**Resource Faculty:**

1. National Emergency Life Support (NELS), Ministry of Health and Family Welfare (Govt. of India), New Delhi for Training of Trainers at PGIMER, Chandigarh, from 18<sup>th</sup> -20<sup>th</sup> March 2024.
2. Cardiovascular Nursing Symposium & Workshop. 2<sup>nd</sup> Joint annual meeting of international society for heart research & international academy of cardiovascular sciences; 16<sup>th</sup>- 18<sup>th</sup> Feb 2024, Department of cardiology, AIIMS, Jodhpur

**National/ International Conferences attended:**

1. Training of Trainers of Nurses in National emergency life support (NELS) Course at SMS Medical College, Jaipur from 25<sup>th</sup> to 27<sup>th</sup> October 2023.
2. Webinar on world health day 2023 on the theme "Our Planet Our Earth", organized by the College of Nursing, AIIMS Jodhpur. 7.4.2023

**Course Completed**

1. Health Emergency readiness for response operations course offered by the World Health Organization on March 27, 2024
2. Nursing Solutions Session course offered by the Institute of Johns Hopkins Nursing, USA, on March 23, 2024.
3. Nurse Engagement and Satisfaction Initiatives” course offered by the Institute of Johns Hopkins Nursing, USA, on March 22, 2024.
4. Creating an EBP Culture from Ground Zero offered by the Institute of Johns Hopkins Nursing, USA, on March 7, 2024.
5. Building a Diversity, Equity and Inclusion training program for Health Care Settings offered by the Institute of Johns Hopkins Nursing, USA, on March 7, 2024.

**Name of Faculty: Natwarlal Patidar**

**Designation: Tutor/Clinical Instructor (Nursing)      &      Deputy      Nursing Superintendent**

**Resource Faculty**

1. Organizing Secretary of “Hands-on workshop on Endo-urology Nursing Skills” on 7th October 2023 at College of Nursing AIIMS Jodhpur

**Research Papers Presented:**

1. 3rd International Conference on the theme “Current trends in Nursing Practice: A leading pathway to Quality care”, 17-18 April 2023, SNSR, Sharda University, Greater Noida.
2. International Network for Doctoral Education in Nursing (INDEN) 2023 Educational Conference, 12 October 2023.
3. 27 th Annual National Conference of NRSI 2023, 2-4 Nov 2023, NINE, PGIMER, Chandigarh.

**Research Project:****Ongoing:****As Principal Investigator**

1. Effectiveness of staff development strategies for nurses on critical care patient safety: A Quasi-Experimental trial”

**As Co-Investigator:**

1. Perioperative nursing competencies in All India Institute of Medical Sciences – Jodhpur.

**National/ International Conferences attended:**

1. 3rd International Conference on the theme “Current trends in Nursing Practice: A leading pathway to Quality care” at SNSR, Sharda University, Greater Noida on 17th & 18th April 2023
2. International Network for Doctoral Education in Nursing (INDEN) 2023 Educational Conference on 12 October 2023,

3. 27th Annual National Conference of NRSI 2023 on theme "Mixed Method Research: Explore, Expedite & Envisage" organized by NINE, PGIMER, Chandigarh from 2nd to 3rd November 2023.
4. Post Conference Workshop on "Sampling Technique" organized at 27 th Annual National Conference of NRSI 2023, NINE, PGIMER, Chandigarh on 4th Nov 2023.
5. Hands-on workshop on Endo-urology Nursing Skills" on 7th October 2023 at College of Nursing AIIMS Jodhpur

**Any other information:**

1. Coordinator of ICU training of nursing officers for capacity building of nursing staff in AIIMS Jodhpur.
2. Coordinator of Continuing Nursing Education for Critical Care Nurses at AIIMS Jodhpur
3. AHA Certified BLS & ACLS Faculty
4. ATLS & ATCN Instructor Faculty

**Name of Faculty: Dr. Vikas Choudhary**

**Designation: Tutor/ Clinical Instructor (Nursing) & Deputy Nursing superintendent**

**Papers Presented:**

1. Poster presentation. 4th National Nursing Conference, 13.09.23 to 15.09.23.NIEGRIHMS, Shillong

**Research projects:**

**Ongoing:**

**As Principal Investigator**

1. Care burden in caregivers of children with leukaemia: an exploratory survey from western Rajasthan.

**As Co-Investigator 01 ( PG student)**

1. Effectiveness of Video based intervention on kinesiphobia & short term functional outcome among patients with total knee arthroplasty: A Quasi experimental study.

**Completed:**

**As Principal Investigator**

1. Effectiveness of Nurse led intervention on pre procedural anxiety among patients undergoing endoscopy: A Quasi experimental trial.
2. Knowledge & perceptions regarding palliative care services among health care workers at a tertiary care teaching hospital in western Rajasthan
3. Satisfaction with nursing services among cancer patients receiving chemotherapy in day care units: Cross Sectional Study.

**Scientific Awards/Patents**

1. Development of workaround assessment scale for registered nurses at Jamia Hamdard University New Delhi: Registration no: L-144236/2024 Copyright Office Govt. of India.

**Examinership**

1. UG Nursing & PG Nursing Examiner at ABVMU UP Lucknow.

**National/ International Conferences attended:**

1. 4th National Nursing Conference NIEGRIHMS, Shillong from 13.09.23 to 15.09.23.

**Name of Faculty: P Gangadevi**

**Designation: Tutor/ Clinical Instructor (Nursing) & Deputy Nursing Superintendent**

**Resource Faculty:**

1. Essentials of wound management organized by College of Nursing in collaboration with WOCSI; 4<sup>th</sup> May 2023 at AIIMS Jodhpur,
2. Training course on Basic Surgical Nursing Skill organized by College of Nursing; 16<sup>th</sup> Dec 2023, AIIMS, Jodhpur

**Research Project:****Ongoing:****As Principal Investigator**

2. Efficacy of nurse led intervention on nutritional status and quality of life in patients with head and neck cancer - A randomized controlled trial.

**As Co-Investigator**

1. Effectiveness of savasana on pain intensity and physiological parameter in patient undergoing extracorporeal shock wave lithotripsy procedure - A quasi experimental study.
2. Assessment of low back pain and its impact on functional ability level among nursing professionals at tertiary care hospital - A cross sectional study.
3. Hereditary risk assessment of cancer using clinical history in patient diagnosed with breast or ovarian cancer receiving treatment at AIIMS Jodhpur - A cross sectional study.
4. Prevalence of anxiety related disorders among adolescents in western India - A community based study.

**Completed:****As Co-Investigator**

1. Fracture risk prediction and kidney function among patient with different stages of chronic kidney disease - A correlational study.
2. Effectiveness of video based education on dependency in activities of daily living and expressed practices to overcome it among patients with lower limb trauma at tertiary care hospital - A quasi experimental study.
3. Effectiveness of video based educational program on cancer related fatigue among breast cancer patients receiving chemotherapy - A quasi experimental study.

**Name of Faculty: Ms. Moirangthem Sonia**

**Designation: Tutor/ Clinical Instructor (Nursing)**

**Research Project:**

**Ongoing:**

**As Co-Investigator :**

- To assess psychometric measures and coping strategies among the primary caregivers of patient admitted in ICU of AIIMS, Jodhpur: a cross sectional descriptive study”.

**Name of Faculty: Sabari Vel**

**Designation: Tutor/ Clinical Instructor (Nursing)**

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. Effectiveness of Interactive guided imagery and Mirror therapy for stroke patients. AIIMS Jodhpur.

**As Co-Investigator**

1. Effect of Buerger Allen exercises on lower extremity tissue perfusion and peripheral neuropathy among patients with diabetes mellitus: a randomized control trial, AIIMS Jodhpur.

**Completed:**

**As Co-Investigator**

1. Migraine specific quality of life and disability among patient with migraine: A Cross-sectional study.
2. Smartphone addiction and its impact on quality of sleep and academic performance among nursing students. AIIMS Jodhpur.

**National/ International Conferences attended**

1. International Webinar on world Alzheimer's day 2023 (Theme- Never too early, never too late) organized by JIET Jodhpur on 27/09/2023.
2. IAPMR National Midterm CME-2023, Disability Assessment and documentation organized by Department of PMR AIIMS Jodhpur on 14/09/2023 to 17/09/2023.
3. Workshop, on Lactation management organized by Department of Pediatrics AIIMS Bibi Nager on 06/08/2023.

**Course Completed**

1. Capacity building commission, Introduction on Emerging Technologies organized by Department of personal training on 10/10/2023.
2. Capacity building commission, Code of conduct for Government Employees organized by Department of personal training on 10/10/2023.



3. Capacity building commission, Prevention of sexual harassment of women at workplace organized by Department of personal training on 10/10/2023.
4. Capacity building commission, stay safe in cyber space organized by Department of personal training on 10/10/2023.
5. Capacity building commission, Orientation modules on Mission Life organized by Department of personal training on 05/10/2023.
6. Capacity building commission, Yoga Break at workplace organized by Department of personal training on 05/10/2023.

**Name of Faculty: Gaikwad Deepali Joseph**

**Designation: Tutor/ Clinical Instructor (Nursing)**

**Research project:**

**Ongoing**

**As Investigator:**

1. Effectiveness of mobile- based organ donation education Programme on attitude towards organ donation among family members of patients admitted in ICU: A Quasi-experimental study.

**As Co-Investigator:**

2. Perception and level of satisfaction among clinical nurses regarding integration of nursing education and services: A Cross sectional descriptive study.
3. Effectiveness of video-based education program on post-radiotherapy side effects among patients with head and neck cancer in a tertiary care center: a quasi-experimental study.

**Course Completed**

1. Code of conduct for govt. Employees organized by Department of personal training.
2. Introduction to emerging technologies organized by Department of personal training.
3. Orientation module on mission life organized by Department of personal training.
4. Stay safe in cyber space organized by Department of personal training.
5. Prevention of sexual harassment of women at work place organized by Department of personal training.
6. Yoga break at work place organized by Department of personal training.

**Name of Faculty: Khina Sharma**

**Designation: Tutor/ Clinical Instructor (Nursing)**

**Books/Chapters**

2. Sharma K. Chapter author in: Kathwal Jyoti. Textbook of Nursing Foundation for B.Sc. Nursing Students. VHS publishers. 2<sup>nd</sup> edition. 2024

**Resource Faculty:**

1. Essentials of wound management organized by College of Nursing in collaboration with WOCSI; 4<sup>th</sup> May 2023 at AIIMS Jodhpur,
2. Simulation-based Pediatric Hematology & Oncology (Pre-Conference workshop), 21-23 July 2023, organized by Pediatric and PHO Chapter of IAP, AIIMS Jodhpur.
3. 2<sup>nd</sup> Joint Annual meeting of International Society of Heart Research (Indian Section) and International Academy of Cardiovascular Sciences (India Section), ISHR, 16<sup>th</sup> – 18<sup>th</sup> February, 2024, organized by Department of Cardiology, AIIMS Jodhpur,

**Research Project:**

**Ongoing:**

**As Co-Investigator**

1. Prevalence and determinant of sexual dysfunction among clinically diagnosed diabetic patients: A mixed method study.
2. Effectiveness of swallowing maneuver on functional oral intake and salivation in post- extubated patients: A randomized controlled trial.
3. Effect of nurse led respiratory muscle training on functional capacity and respiratory muscle strength in patients with hemodialysis: a quasi-experimental study.

**Completed:**

**As Co-Investigator**

1. Effect of tactile stimulation on consciousness level and vital signs of patients admitted with TBI: a quasi-experimental study.
2. External feeding practices for critically ill patients admitted in ICU at tertiary care hospital: A cross-sectional study.
3. Effect of nurse led educational intervention on prevention of post-operative complication and functional outcome among patients planned to undergo TURP: A Quasi- experimental study.

**National/ International Conferences attended**

1. 8<sup>th</sup> national Midterm Pediatric Hematology & Oncology CME & Pre-Conference workshop 2023. Organized by the Department of Pediatrics (AIIMS Jodhpur) and PHO Chapter of IAP, AIIMS Jodhpur, 21<sup>st</sup> – 23<sup>rd</sup> July 2023.

**Name of Faculty: Priya Sharma**

**Designation: Tutor/ Clinical Instructor (Nursing)**

**Books/Chapters**

1. Sharma P, Sharma SK, Sharma P. Lippincott Manual of Medical Surgical Nursing. 2<sup>nd</sup> Edition. India. Wolters Kluwer. 2024.
2. Sharma P, Target High, Nurses Competitive Exam, 7<sup>th</sup> Edition, India, CBS Publishers and Distributors Private Limited.

**Resource Faculty:**

1. Essentials of wound management organized by College of Nursing in collaboration with WOCSI; 4<sup>th</sup> May 2023 at AIIMS Jodhpur,
2. Simulation-based Pediatric Hematology & Oncology (Pre-Conference workshop), 21-23 July 2023, organized by Pediatric and PHO Chapter of IAP, AIIMS Jodhpur.
3. 2<sup>nd</sup> Joint Annual meeting of International Society of Heart Research (Indian Section) and International Academy of Cardiovascular Sciences (India Section), ISHR, 16<sup>th</sup> – 18<sup>th</sup> February, 2024, organized by Department of Cardiology, AIIMS Jodhpur,

#### **Research Project:**

##### **Ongoing:**

##### **As Co-Investigator**

1. Emotional Intelligence and Resilience among Nurses Working in intensive Care Units: A cross-sectional study
2. Prevalence and determinant of sexual dysfunction among clinically diagnosed diabetic patients; A mixed method study.
3. Professional Quality of Life among Nurses working in ICUs and other units: A comparative cross-sectional study.

##### **Completed:**

##### **As Co-Investigator**

1. Effect of nurse directed education Programme on the severity of symptoms and quality of life of BPH patients: A quasi-experimental study.
2. Nurses' Knowledge and attitude towards Care of LGBTQ Patients: A cross-sectional study in Western Rajasthan
3. Discharge Readiness and its Predictors in post craniotomy patients at tertiary care teaching hospital: A cross-sectional study
4. Empathy among male and female nurses in India: A Cross-Sectional Study.
5. Effect of Rhythmic breathing on selected respiratory parameters of patients who underwent cardiac surgery: A randomized control trial.

### **Faculty: Community Health Nursing**

S.No.	Name of the faculty	Designation
1	Dr. Gomathi A	Associate professor
2	Dr. Mamta	Assistant professor
3	Rishi Dutt Avasthi	Tutor / Clinical Instructor (Nursing)
4	Arvind	Tutor / Clinical Instructor (Nursing)
5	Manish Kumar Balai	Tutor / Clinical Instructor (Nursing)
6	Hanuman Ram Bishnoi	Tutor / Clinical Instructor (Nursing)
7	Minakshi Shayar	Tutor / Clinical Instructor (Nursing)

8	Dr. Satyaveer	Tutor / Clinical Instructor (Nursing)
9	Neetu Tripathi	Tutor / Clinical Instructor (Nursing)

**Name of Faculty: Dr. Gomathi Arumugam**

**Designation: Associate professor**

**Sessions Chaired:**

1. Chairperson for 7<sup>th</sup> CNE National workshop on the Theme: “current trends in Forensic Nursing & Toxicology”; 20-22 Sep 2023, College of Nursing JIMPER, Pondicherry.

**Invited Lectures:**

1. Resource person for 4<sup>th</sup> National Conference of Society for Public Health Education, Research and Empowerment (SPHERE); 6<sup>th</sup> to 8<sup>th</sup> November, College of Nursing, AIIMS, New Delhi.
2. 9<sup>th</sup> CNE Workshop Based Short Term Course on “research methodology & publication for nurses” (Funded by the Ministry of Health & Family Welfare, Government of India), 29 Jan to 4 Feb 2024, College of Nursing, Pondicherry.

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. A study to assess the awareness of non-alcoholic fatty liver disease among adults attending OPD AIIMS, Jodhpur. “Cross-sectional study”
2. A study to assess perceived social support status and subjective well-being among elderly residing at rural area of Jodhpur: A Cross Sectional Study.

**As Co-Investigator-**

1. Quality of life and psychosocial challenges faced by parents of children with thalassemia major: A mixed method study

**Completed:**

**As Principal Investigator –**

1. A study to assess knowledge & attitude regarding chronic kidney disease among type 2 diabetes patients at AIIMS Jodhpur.- “Cross-sectional descriptive study”
2. A study to assess the coping mechanism of adult's with type2 diabetes mellitus in Western Rajasthan: A cross-sectional study”

**As Co-Investigator**

1. A study to assess health promotion lifestyle and self-compassion among menopausal women - A cross-sectional study”

**Examinership:**

1. Theory: - Setting up question papers and evaluating the answer sheets of undergraduate and postgraduate students.
2. Practical examiner: Assigned as practical examiner of (internal) for B.Sc. (Hons.) Nursing students (In preparatory and final examinations) and postgraduate students.
3. Appointed as an external examiner to conduct a practical examination for the first year of M.Sc. Nursing Examination in the subject of Clinical speciality-I (Community Health Nursing)) held on July 2023 at All India Institute of Medical Sciences, Bhopal.
4. Appointed as an external examiner to conduct B.Sc. (Hons) Nursing Phase-IV in Paper-II Community Health Nursing–II (Theory Practical) examination held on from 17.07.2023 to 19.07.2023 at AIIMS Raipur.
5. Appointed as an external examiner to conduct a practical examination for the first year of M.Sc. Nursing Examination in the subject of Clinical speciality-I (Community Health Nursing)) held on 09.08.2023 & 10.08.2023 at JIPMER, Puducherry.
6. Appointed as an external examiner to conduct a practical examination for the first year of M.Sc. Nursing Examination in the subject of Clinical specialty-I (Community Health Nursing)) held from 15.09.2023 to 16.09.2023 at AIIMS, Gorakhpur.

**Membership/Post in Journal or Society or Association:**

1. Life Member of Trained Nurses Association of India (TNAI): Reg. No. 162695/LMT.
2. Life Member of Society of Community Health Nurses of India (SOCHINI):231

**National/ International Conferences attended:**

2. Fourth National Conference on “ Society for Public Health Education, Research and Empowerment (SPHERE)” Which has been organized by College of Nursing, AIIMS, New Delhi from 6<sup>th</sup> to 8<sup>th</sup> November 2023.
3. Seventh CNE National workshop on the Theme: “Current trends in forensic nursing & toxicology” which has organized by College of Nursing JIPMER, Pondicherry from 20.09.2023 to 22.09.2023.
4. Ninth CNE Workshop Based Short Term Course on “Research methodology & publication for nurses” (Funded by the Ministry of Health & Family Welfare, Government of India) which has been organized by College of Nursing, Pondicherry from 29.01.2024 to 04.02.2024 at JIPMER Pondicherry.

**Name of Faculty: Dr Mamta**

**Designation: Assistant Professor**

**Invited lectures:**

1. Nursing care of elderly. Training of Doctors from PHC/CHC on Geriatric Health, AIIMS Jodhpur, 14 July 2023.

**Resource Faculty:**

1. Executive Post Graduate Diploma in Primary Healthcare management for Community Health Officers of Odisha organized by PGIMER, Chandigarh
2. Project Dissemination workshop on functionality and utilization of health & Wellness centres and the user experience, 12<sup>th</sup> Feb 2024, Institute of Nursing Education & Research, AIIMS Bhatinda.

3. Research designs- An overview” at workshop on Research methods, 10-12 Jan 2024, College of Nursing, AIIMS Nagpur.
4. South East Asia Conference on Non communicable Diseases on Theme “Empowering Governments and civil societies towards realizing NCD-SDG global goals, 4-6 Jan 2024, Kerala.
5. Panelist, “Expanding primary health care” on Universal health coverage day, 12<sup>th</sup> December 2023, AIIMS Jodhpur.
6. Health affecting span of life-Geriatric. 4<sup>th</sup> National Conference of SPHERE, 7-8 Nov 2023, College of Nursing, AIIMS Delhi.
7. 27<sup>th</sup> Annual National Conference of NRSI, 2-3<sup>rd</sup> November 2023, National Institute of Nursing Education, PGIMER, Chandigarh.
8. Research process in Qualitative studies. Research workshop organized by SPHERE, 9-10<sup>th</sup> September 2023, Jaipur.
9. Training session for Medical officers on Comprehensive Geriatric care, 14<sup>th</sup> July 2023, AIIMS Jodhpur.
10. Seminar on World Health Day, 10<sup>th</sup> April 2023, College of Nursing AIIMS Jodhpur

### **Research Project:**

#### **Ongoing**

##### **As Principal Investigator –**

- Mindful eating behaviour and mental well-being among adults residing at selected area of Jodhpur -A cross sectional study”

##### **As Co-investigator (Extramural)**

1. Review of WHO PEN competencies in preservice courses in health and medical courses to build an NCD- ready workforce to deliver people-centered NCD care. (SEAR NCD group)

#### **Completed:**

##### **As Principal Investigator –**

1. Oral Health related quality of life among elderly at selected area of Jodhpur: A Cross-sectional study.

##### **As Co- Investigator (Extramural)**

1. Functionality and utilization of health and wellness centres and the user experience with their health services in rural areas of selected status of North India ***funded by ICSSR***

### **Research Projects:**

#### **PG (M.Sc. Nursing/MPH) as Guide**

##### **Ongoing**

1. Quality of life and challenges experienced by family members of patients with Thalassemia Major: A Mixed Method Design
2. The association between fear of hypoglycemia and diabetic related distress among T2DM Patient in Primary, secondary healthcare setting in Jodhpur, Rajasthan”

#### **Completed:**

1. Assessment of health promoting lifestyle and self-compassion among menopausal women- A cross sectional study.
2. Assessment of millets' awareness and consumption among adult population residing in selected urban area of Western Rajasthan: A cross sectional study.
3. Effectiveness of screen time management program (STEMP) on screen addiction and social connectedness among adolescents - A Quasi Experimental Study

#### **PG (M.Sc. Nursing/MPH) as Co-Guide**

##### **Ongoing**

1. A study to assess perceived social support status and subjective well-being among elderly residing at urban area of Jodhpur: A Cross Sectional Study.
2. Efficacy of mindfulness-based mandala coloring therapy on perceived stress among individuals with cervical cancer admitted to inpatient oncology ward, AIIMS Jodhpur: A Randomized Controlled Trial.

##### **Completed**

1. A study to assess the coping mechanism of adults with Type 2 Diabetes Mellitus in western Rajasthan: A cross sectional study.
2. Effectiveness of training program among security personnel regarding knowledge of violence management in hospital setting – A quasi-experimental study.
3. Drug attitude and medication adherence among patients with psychiatric illness: A cross - sectional analytical study.”
4. Workplace-related stress, burnout, and satisfaction among Asha workers of Jodhpur.

#### **Scientific Awards/Patents**

1. Best Teacher award by Rajasthan Nursing Council, 15<sup>th</sup> August 2023.
2. Certificate for appreciation for research contribution for authoring book chapter, Annual research Day-2024, AIIMS Jodhpur

#### **Examinership**

1. Paper setter, B. Sc. (Hons.) Nursing 2nd Year Supplementary Examination, College of Nursing, AIIMS Bhubaneswar, Jan 2024
2. M.Sc. Community Health Nursing. College of Nursing, AIIMS Bhopal, August 2023.
3. Internal Examiner M.Sc. Nursing and B.Sc. (Hons.) Nursing. AIIMS, Jodhpur, 2023.
4. Examinership/Expert for preparation of question paper for the M.Sc. Nursing/ NPCC Entrance Examination, Atal Bihari Vajpayee Medical University UP, Lucknow, June 2023.
5. Paper evaluator, IGNOU

#### **Membership/Post in Journal or Society or Association**

1. Member, Society of Perioperative Nursing.
2. Reviewer Nursing & Midwifery Research Journal. SAGE publisher
3. Reviewer, International Journal of Nursing Practice, Wiley publisher
4. Member of the SEAR NCD Service Delivery Network; WHO SEARO
5. Reviewer PLOS ONE
6. Reviewer Medical Journal of Dr. D.Y. Patil Vidyapeeth, Pune, India

**National/ International Conferences attended:**

1. South East Asia Conference on Non communicable Diseases on Theme “Empowering Governments and civil societies towards realizing NCD-SDG global goals, 4-6 Jan 2024, Kerala.
2. Panel discussion on Universal health coverage day organized by SPH and College of Nursing, 12<sup>th</sup> December 2023, Jodhpur.
3. 4<sup>th</sup> National Conference of SPHERE organized by College of Nursing, AIIMS Delhi, 7-8<sup>th</sup> November 2023.
4. Preconference workshop on Systematic review & meta-analysis, 4<sup>th</sup> National Conference of SPHERE organized by College of Nursing, AIIMS Delhi, 6<sup>th</sup> November 2023.
5. Post conference workshop on Sampling technique, 27<sup>th</sup> Annual National Conference of NRSI organized by NINE, PGIMER, 4<sup>th</sup> November 2023.
6. Mixed method research conference, 27<sup>th</sup> Annual National Conference of NRSI organized by NINE, PGIMER, 2-3<sup>rd</sup> November 2023.
7. Research process in Qualitative studies” at Research workshop organized by SPHERE, 9-10<sup>th</sup> September 2023, Jaipur

**Any other information:**

1. Organizing team member, seminar on World Health Day, 10<sup>th</sup> April 2023 organized by College of Nursing & Dept of CMFM AIIMS Jodhpur.
2. Adjunct Faculty, Executive Post Graduate Diploma in Primary Healthcare Management for Community Health Officer, PGIMER, Chandigarh.
3. Adjunct faculty, School of Public health, AIIMS Jodhpur

**Name of Faculty: Rishi Dutt Avasthi****Designation: Tutor/ Clinical Instructor (Nursing)****Resource Faculty:**

1. SPHERE Workshop on Qualitative Research Design, on 9 to 10 September 2023 at SMS College of Nursing, Jaipur.
2. 4<sup>th</sup> National Conference of SPHERE 2023 on G-20. Health an asset for All from 8-10 Nov 2023 at AIIMS New Delhi.
3. Panelist in Universal Health Coverage Day, Health for All: Time for action on 12 December 2023 at AIIMS Jodhpur.
4. International Conference SEACON -24 on Empowering Government and Civil Societies towards realizing the NCD -SDG Global Goals on 4 to 6 January 2024 at Thiruvananthapuram, Kerala.
5. International Conference on Public Health Global Concern on 12 & 13 January 2024 at Bharti Vidyapeeth Pune.

**Research Project:****Ongoing:****As Principal Investigator**

1. A study to assess knowledge and expressed practice regarding solid waste management among household mothers in Pratap Nagar area of Jodhpur city (Rajasthan).



2. A Systemic review on psychological impact on health care workers of Covid-19

**As Co-Investigator**

1. Effectiveness of screen time management program (STEMP) on Screen addiction and social connectedness among adolescents.
2. Quality of Life and Personal challenges faced by parent having children with Thalassemia Major: A Mixed method Study.

**Workshops/Conference Attended**

1. Fourth National Conference of SPHERE- 2023 on G-20. Health for All. Organized by SPHERE, at AIIMS New Delhi, 8-10 Nov 2023.
2. International Conference SEACON -24 on Empowering Government and Civil Societies towards realizing the NCD -SDG Global Goals at Thiruvananthapuram, Kerala from 4 to 6 January 2024.
3. International Conference on Public Health Global Concern at Bharti Vidyapeeth Pune on 12 & 13 January 2024

**Any other information:**

1. Organizing team member for World Health Day and Millets Awareness Seminar on 7 April 2023 at AIIMS Jodhpur.

**Name of Faculty: Arvind**

**Designation: Tutor/ Clinical Instructor (Nursing)**

**Research Project:**

**Ongoing:**

**As co-Investigator**

1. A study to assess the awareness of non-alcoholic fatty liver disease among adults attending OPD AIIMS, Jodhpur- A Cross-sectional study.

**Completed:**

**As co-Investigator –**

1. A study to assess knowledge & attitude regarding chronic kidney disease among type 2 diabetes patients at AIIMS Jodhpur. -“Cross-sectional study”

**Name of Faculty: Minakshi Shayar**

**Designation: Tutor/ Clinical Instructor (Nursing)**

**Ongoing**

**As Co-Investigator:**

1. “Mindful eating behavior and mental wellbeing among adult population residing at selected area of Jodhpur- A cross sectional study”

**Name of Faculty: Neetu Tripathi**

**Designation: Tutor/ Clinical Instructor (Nursing)**

**Research Project:**

**Ongoing:**

**As Co-Investigator:**

- A study to assess perceived social support and subjective well-being among elderly residing at rural area of Jodhpur: A cross sectional study

**Completed:**

**As co-Investigator**

1. Assessment of millet's awareness and consumption among adult population residing in selected urban area of Western Rajasthan

## **Faculty: Obstetrics & Gynecological Nursing**

S.No.	Name	Designation
1	Himanshu Vyas	Associate Professor & Nursing Superintendent
2	Dr. Arti	Tutor/ Clinical Instructor (Nursing)
3	Hemlata	Tutor/ Clinical Instructor (Nursing)

**Name of Faculty: Mr. Himanshu Vyas**

**Designation: Associate Professor & Nursing Superintendent**

**Paper presented:**

1. Vyas H. Integration of nursing education and services: an innovative AIIMS, Jodhpur model. 4th National conference on "Nursing beyond horizons: Prioritizing education, strengthening patient care, 13th to 15th September 2023. College of Nursing, NEIGRIHMS, Shillong.
2. Maternal Satisfaction with childbirth services among postnatal mothers at a tertiary care hospital of western Rajasthan" at the Better Birthing Experience, organised by Fernandez Hospital Educational & Research Foundation, 4<sup>th</sup> and 5<sup>th</sup> November 2023, Hyderabad.

**Sessions Chaired:**

1. Pre Conference Workshop 8<sup>th</sup> Midterm PHO CEME 2023 - Hemophillia and Thalesemia Care, Organised by Department of Pediatrics on 21/7/23 at AIIMS, Jodhpur
2. Strengthening the integration of midwifery in health systems in South Asia: A leader to leader collaboration between Sweden, and Nepal organised within the partnership between Dalarna University, Sweden on 9<sup>th</sup> to 11<sup>th</sup> October 2023, Midwifery Association of Nepal and MAMTA, India.

**Resource Faculty:**

1. Positive Pressure Ventilation (PPV). Neonatal Resuscitation Program, 19 April 2023, College of Nursing, AIIMS, Jodhpur.
2. One day Workshop on Skill Standardization in Obstetric Procedures, 16-17 August 2023, College of Nursing, AIIMS, Jodhpur.
3. Partograph. 4<sup>th</sup> National conference on “Nursing beyond horizons: Prioritizing education, strengthening patient care, 13-15 Sep 2023, College of Nursing, NEIGRIHMS, Shillong.
4. Capacity Building workshop on Integration of Nursing Education and Nursing Service, 18<sup>th</sup> March 2024, College of Nursing, AIIMS, Mangalagiri .
5. Various Continuous Nursing Education Sessions organised by the CNE cell at AIIMS, Jodhpur.

#### **Research Project:**

##### **Ongoing:**

##### **As Co-investigator**

1. Care burden in care givers of children with Leukemia – An exploratory survey from Western Rajasthan

#### **Examinership**

1. M. Sc. Nursing I Year, AIIMS, Delhi, August 2023
2. B. Sc. (Hons.) Nursing IV Year, NINE, PGIMER, Chandigarh – August 2023
3. B. Sc. (Hons.) Nursing IV Year, JIPMER, July 2023
4. Atal Bihari Vajpayi University of Medical Sciences, Lucknow
5. B. Sc. (Hons.) Nursing and M. Sc. Nursing AIIMS, Jodhpur, July 2023
6. M Sc Nursing 2<sup>nd</sup> Year, KGMU, Lucknow
7. BFUHS, Faridkot
8. Faculty of Nursing, UPUMS, Safai

#### **National/ International Conferences attended:**

1. Nursing beyond horizons: Prioritizing education, strengthening patient care” organised by College of Nursing, NEIGRIHMS, 13<sup>th</sup> to 15<sup>th</sup> in Shillong.
2. Capacity Building workshop on Integration of Nursing Education and Nursing Service, 18<sup>th</sup> March 2024, College of Nursing, AIIMS, Mangalagiri.
3. Strengthening the integration of midwifery in health systems in South Asia: A leader to leader collaboration between Sweden, and Nepal organised within the partnership between Dalarna University, Sweden on 9<sup>th</sup> to 11<sup>th</sup> October 2023, Midwifery Association of Nepal and MAMTA, India.

**Name of Faculty: Dr. Arti**

**Designation: Tutor/ Clinical instructor (Nursing)**

#### **Resource Faculty:**

1. Labour Room Training under Model Early Intervention Centre, held on 16<sup>th</sup> and 17<sup>th</sup> Aug 2023 at AIIMS Jodhpur..

#### **Research Project:**

##### **Ongoing:**

##### **As Co-Investigator-**

1. Effectiveness of simulation - based per- vaginal examination training on indigenous versus commercially available per- vaginal examination simulation task trainer on skill acquisition and satisfaction among nursing students: Comparative interventional study.
2. Midwifery competencies of budding nurses: Across sectional study at a selected institute in India.

**Membership/Post in Journal or Society or Association**

1. Member of Yoga and Meditation Club at AIIMS Jodhpur
2. Organizing member of International Nurses Day” celebration on May 2023, Organized by College of Nursing AIIMS Jodhpur.
3. Organizing member, Online workshop on “Work Life Balance” on June 12, 2023 organized by yoga and meditation club AIIMS- Jodhpur.
4. Organizing member of the Event Sri Sri Ravi Shanker - “Significance of Spiritual Wisdom In Modern Health care Landscape” on January 23<sup>rd</sup> 2024 by Yoga and Meditation club at AIIMS, Jodhpur

**National/ International Conferences attended:**

1. Workshop on “Authorship: Ethical Consideration. Organised by Research Section AIIMS, Jodhpur, 26 August 2023.
2. Lactation Management Workshop (online) for nurses organised on 6 August 2023 at AIIMS, Bibinagar
3. Awareness programme “ A Library Resources users “ on 2<sup>nd</sup> Sep 2023
4. Enhancing breastfeeding making a difference for working parents, 3 August 2023 at AIIMS, Bibinagar
5. Workshop on Beyond the bedside: How Nurse’s can help to shape the future of health care,, 12 July 2023.
6. Webinar series on current trends in nurses, August-September 2023.
7. International webinar on world Alzheimer’s day 2023 (Theme : Never too early never too late ), JIET College of Nursing , Jodhpur.

**Name of Faculty: Hemlata**

**Designation: Tutor/ Clinical instructor (Nursing)**

**Books/Chapters-**

1. Suresh K Sharma and Tanuj Kanchan. Forensic Nursing. Handbook of Forensic Nursing. Elsevier Publication. 2023

**Resource Faculty:**

1. Labour Room Training under Model Early Intervention Centre, held on 16<sup>th</sup> and 17<sup>th</sup> Aug 2023 at AIIMS Jodhpur.

**Research Project:**

**Ongoing:**

**As Co-Investigator-**

1. Potential concern and challenges following COVID-19 vaccination among Medical and Nursing Population in Tertiary Care Institute of Uttarakhand- A Cross-sectional Survey.

2. Quality Improvement Project to improve staff nurses' practices related to safe medication administration.
3. Awareness and Attitude regarding eye donation among Health Care Practitioners: An Institutional based cross-sectional study at Uttarakhand.
4. *Senior student nurse's perception and professional career plan in India: a cross-sectional e-survey*
5. *Respectful Maternity Care and Maternal Satisfaction with childbirth services among Postnatal Mothers at a Tertiary Care Hospital: A Cross-Sectional Study.*
6. *Utilization of Pre-conception Care and associated factors among primigravidae at a tertiary care hospital.*
7. *Birth companion training and engagement in labor support techniques in labor room of a teaching hospital: A nurse lead Quality improvement Program."*
8. *Effect of nutritional counselling program on nutritional indicators, Quality of life and side effects associated with anti-tubercular treatment among patients with pulmonary tuberculosis: A Randomized controlled trial.*
9. *Emotional Intelligence and Leadership skills among new Nurse Managers working at AIIMS Jodhpur: A Cross-sectional study.*

#### **Completed:**

##### **As Co-Investigator-**

1. Simulation-Based Learning in Nursing Curriculum- Time to Prepare Quality Nurses: A Systematic Review and Meta-Analysis.
2. Prevalence of anxiety among elderly people residing in old age homes: A cross-sectional study from Sub-Himalayan region, Uttarakhand, India
3. Assessment of Knowledge, Attitudes and Practices Regarding Chronic Kidney Disease in At-Risk Individuals: A Hospital-Based Cross-Sectional Study.

#### **Membership/Post in Journal or Society or Association**

1. Membership, Clinical Nursing Research Society

#### **National/ International Conferences attended: 8**

1. One day, Jointly Organized National Conference on "Clinical Nursing Research: Collaborative Excellence" at AIIMS New Delhi on 25<sup>th</sup> October 2023
2. Virtual "Foundation Course on National Health Programs and Schemes in India" organized by Rufaida College of Nursing in collaboration with ECHO India, from 03/02/2023 to 04/05/2023.
3. Online Orientation module on Mission Lifer by Ministry of Environment, Forest, and Climate Change on 5<sup>TH</sup> October 2023
4. Online Yoga Break at Workplace by Morarji Desai Institute of Yoga on 5<sup>TH</sup> October 2023.
5. Online Introduction to Emerging Technologies by provided by Capacity Building Commission on 6<sup>th</sup> October 2023.
6. Online Stay Safe in Cyber Space by Indian Cybercrime Coordination Centre – 14 Management on 9<sup>th</sup> October 2023.
7. Online Stay Safe in Code of Conduct for Government Employees by Institute of Secretariat Training and Management on 9<sup>th</sup> October 2023.
8. Online Orientation module on Prevention of Sexual Harassment of Women at Workplace by Institute of Secretariat Training and Management on 10<sup>th</sup> October 2023.

## Faculty: Child Health Nursing

S.No.	Name	Designation
1.	Dr. Mukesh Chand Sharma	Associate Professor
2.	Remiya Mohan	Assistant Professor
3.	Sanjeeta Dara	Assistant Professor
4.	Raghu VA	Tutor/ Clinical Instructor (Nursing)
5.	Dr A Latha	Tutor/ Clinical Instructor (Nursing)
6.	T Thuileiphy	Tutor/ Clinical Instructor (Nursing)

**Name of Faculty: Dr. Mukesh Chandra Sharma**

**Designation: Associate Professor**

### Resource faculty

1. Management of bleeding disorder. 8th Midterm PHO CME 2023, 21<sup>st</sup> - 23<sup>rd</sup> July 2023, AIIMS Jodhpur.
2. Faculty training role and responsibilities in evaluation organized by Wolters in collaboration with Government College of Nursing Jaipur, 16<sup>th</sup> June, 2023, Jaipur.
3. NRP -Optimizing the golden hour, 19<sup>th</sup> April, 2023, College of Nursing AIIMS Jodhpur.
4. Neonatal Assessments: Essential for every pediatric nurse, 21<sup>st</sup> September, 2023, College of Nursing, AIIMS, Jodhpur.

### Session chaired

1. Pre Conference Workshop 8<sup>th</sup> Midterm PHO CEME 2023 - Hemophillia and Thalesemia Care, Organised by Department of Pediatrics on 21/7/23 at AIIMS, Jodhpur

### Research Projects:

#### On going

##### As Principal Investigator

1. Dorothea Orem's Self-care deficit based theory approach -Development of tool to measure self-care agency of patient admitted in Critical Care Unit.
2. A study to assess perceived social support of family care giver of patient with cancer visiting day care center for chemotherapy treatment at AIIMS Jodhpur.

##### As Co-Investigator

1. Quality of life, physical and mental wellbeing with yoga therapy in Head and neck cancer patients managed with surgery first as curative intent treatment –Randomized controlled trial

### Completed

**As Principal Investigator**

1. A study to explore neurological problem after Covid -19 infection among people attending neurological OPD at AIIMS Jodhpur.

**As Co-Investigator-**

- Nurse-Led Lactation Management Counselling On Awareness Perception Regarding Milk Donation And Skills In Milk Expression Among Lactating Mothers In Comprehensive Location Management Unit At Tertiary Level Health Care Centre - A Quasi-Experimental Study.
- A Study To Assess The Burden Of Caregiving, Perceived Social Support, And Quality Of Life Of Informal Caregivers Of Children With Cerebral Palsy Attending Pediatric OPD At AIIMS Jodhpur

**Examiner-**

1. Invited expert in committee of evaluation of College's Observation Report at Atal Bihari Vajpayee University, Lucknow Uttar Pradesh, February 2024.
2. External examiner. for M.Sc. Nursing dissertation and viva practical examination, at BFUHS, Faridkot Jan 2024
3. External examiner. Pediatric nursing for MSc Nursing professional examination, at AIIMS Bhubaneswar, August ,2023
4. External examiner for evaluation of PhD (N) thesis .Sri Ramachandra Institute of Higher Education and Research (SRIHER),Chennai ,July 2023
5. External examiner .Nursing Research Question paper setter for Post Basic B.Sc. (Hons) Nursing Second year professional examination, at PGI, Chandigarh, July2023.
6. Invited external expert at UPPSC Lucknow Uttar Pradesh finalizing staff exam entrance Paper ,November 2023
7. External examiner .Pediatric Nursing Question paper setter for B.Sc. (Hons) Nursing 3<sup>rd</sup> year professional examination, at JIPMER, August 2023.
8. External examiner for M.Sc. Nursing first year and second year Pediatric nursing practical examination, at BFUHS, Faridkot 2023.

**Membership/ Post in Journal or Society or Association:**

1. Member, National Neonatology forum.
2. Member, Indian association of Neonatal nurses (IANN)
3. Trained nurses Association of India-membership number.
4. Phi Gama Chapter of Sigma Theta Tau
5. Editorial board member of Baba Farid University Nursing Journal, Faridkot from the year 2022 onwards.
6. Reviewer in Biosciences Biotechnology Research Asia journal
7. Reviewer in Journal of Medical Evidence ,Nursing Open journal

**National/International conferences attended:**

1. Seminar on Millets and Health. Organized by College of Nursing AIIMS Jodhpur in collaboration with Department of Community Medicine and Family Welfare, AIIMS Jodhpur, 10<sup>th</sup> April 2023.
2. 8<sup>th</sup> national Midterm Pediatric Hematology & Oncology CME & Pre-Conference workshop 2023. Organized by the Department of Pediatrics (AIIMS Jodhpur) and PHO Chapter of IAP, AIIMS Jodhpur, 21<sup>st</sup> – 23<sup>rd</sup> July 2023.

3. Completed IGOT module recommended by Ministry of Health and Family Welfare

#### **Any other information –**

1. Organizing secretary. “NRP -Optimizing the golden hour” organized on 19<sup>th</sup> April, 2023 at College of Nursing AIIMS Jodhpur.
2. PhD (N) Program Coordinator and PG Program (MSc Nursing Second year) lead –II at AIIMS, Jodhpur.
3. PhD Guide at college of Nursing ,AIIMS, Jodhpur
4. Member of Board of Studies, Staff council, Annual Report Committee , Yoga and meditation club ,monthly condemnation of linen PPE etc, at AIIMS, Jodhpur

**Name of Faculty: Remiya Mohan**

**Designation: Assistant Professor & Nursing Superintendent**

#### **Research Projects:**

##### **Ongoing:**

##### **As Co-Investigator**

1. Analysis of adversity quotient, emotional intelligence, and job satisfaction among nursing personnel: A descriptive cross-sectional study.

##### **Completed**

##### **As Principal Investigator:**

- Acceptance and attitude of parents regarding COVID 19 vaccine in children: A cross-sectional study.
- Anxiety among adolescent during COVID 19 pandemic: A cross-sectional study.”

##### **As Co- Investigator:**

- Impact of COVID-19 outbreak on lifestyle related behavior among the general population: A cross-sectional study.”
- Health related quality of life of employed women and unemployed women: A cross-sectional study.

#### **Examinership**

1. Internal Examiner M.Sc. Nursing and B.Sc. (Hons.) Nursing, AIIMS, Jodhpur
2. External examiner and paper setter for B.Sc. nursing Third year professional examination, Oct 2023.

#### **National/International conferences attended:**

- Completed Training Course on Building Nursing & Midwifery Leadership in the Context of UHC & SDG's, NIHFWS, New Delhi, 04/12/23 to 08/12/23.
- **Workshop on developmental supportive care in newborns at AIIMS Jodhpur, 14 April 2023**



**Name of Faculty: Sanjeeta Dara**

**Designation: Assistant Professor & Deputy Nursing Superintendent**

**Resource faculty**

1. 8th Midterm PHO CME & Pre - Conference Workshop" held at AIIMS Jodhpur organized by Department of Pediatrics, 21st - 23rd July 2023, All India Institute of Medical Sciences, Jodhpur.
2. Pre - Conference Workshop 2023 Organized by The Department of Pediatrics (AIIMS Jodhpur) and PHO Chapter of IAP, 21st July 2023, All India Institute of Medical Sciences, Jodhpur.

**Research Project:**

**Ongoing:**

**As Principal Investigator**

- A study to assess knowledge, attitude, utilization, and perceived barriers for utilization of Adolescent Friendly Health Clinics (AFHC) under National Adolescent Health Program (NAHP) among stakeholders, in a selected district, Rajasthan.
- Prevalence of anxiety related disorders among adolescence in western India: A community based study.

**As Co-Investigator (guide)**

1. Treatment non-compliance and it's contributing factors among children with hematological malignancies at a tertiary care hospital in Western India: An Ambispective study.

**Completed:**

**As Co- Investigator (co-guide)**

1. Development and validation of psychological adaptation tool for children with chronic illness.
2. Communication skills, self-efficacy and mindfulness among nurses working in pediatric units: A cross-sectional study.
3. Assessment of Oral health status of children with Acute Lymphocytic Leukemia undergoing chemotherapy at tertiary level hospital: A cross-sectional observational study"

**Examinership:**

1. Professional Final Examination, Internal examiner at College of Nursing, AIIMS, Jodhpur. (B.Sc. (Hons.) Nursing 3<sup>rd</sup> Year)
2. Professional Final Examination, Internal examiner at College of Nursing, AIIMS, Jodhpur. (B.Sc. (Hons.) Nursing 4<sup>th</sup> Year)
3. Internal examiner as a paper setter in AIIMS Jodhpur. (B.Sc. Nursing 3<sup>rd</sup> Year and 4<sup>th</sup> year)
4. External examiner as a paper setter and practical examiner in AIIMS Raipur. (B.Sc. Nursing, 1<sup>st</sup> year)
5. Faculty In-charge for Entrance Examination Institute of National Importance Combined Entrance Test (INI-CET) for admission to PG courses for (MD/MS/M.Ch (6yers)/DM (6yers)/MDS January, 2024 Session for AIIMS, New Delhi, JIPMER Puducherry and NIMHANS Bengaluru, PGIMER Chandigarh, SCTIMST Trivandrum and other participating AIIMS (Bhopal, Bhubaneswar, Jodhpur, Nagpur, Patna, Raipur, Rishikesh Bibinagar, Bathinda, Deoghar, Mangalagiri, Rae Bareli, Kalyani, Bilaspur, Gorakhpur, Guwahati etc.)

**Name of Faculty: Raghu VA**

**Designation: Tutor/ Clinical instructor (Nursing)**

**Resource Faculty:**

1. How to do review of literature. Research methodology and statistical analysis course for nurses, Society of cardiac nurses (India). AIIMS, Delhi.
2. Research methodology and statistical analysis course for M.Sc Nursing first year student, AIIMS, Jodhpur.

**Research Project:**

**Ongoing:**

**As Investigator:**

1. A Randomized Controlled Trail to assess the effectiveness of Nurse Led developmental intervention package on neurodevelopmental outcome of preterm babies in AIIMS, Jodhpur.

**Completed:**

**As Co-Investigator:**

1. A study to explore neurological problems after COVID-19 infection among people attending neurology OPD at AIIMS, Jodhpur.
2. Structured Nurse Led Lactation Management Counselling on awareness, Perception regarding breast milk donation and skill in breast milk expression among lactation mothers in Comprehensive lactation management center, at tertiary level health care center: A quasi-experimental study.

**Name of Faculty: Dr A Latha**

**Designation: Tutor/ Clinical Instructor (Nursing)**

**Book Chapters**

1. Role of Nurses in pediatric palliative care”in Scoott”s PEDIA -TRICKS Specialty Series Text book of Peadiatric palliative care book. (Guide for all health care providers who care for children with life limiting illness)
2. Module on Palliative care Nursing for 20 hours submitted to INC for integrating Palliative care in second year BSc nursing mandatory module in association

**Resource Faculty:**

2. For the DGHS-DNip Care-ECHO India Program on Promoting Excellence in Palliative Care Nursing – online
3. 31<sup>st</sup> International Conference of Indian Association of Palliative Care February 9-11<sup>th</sup>2024 at GCRI Ahmedabad.
4. 2<sup>nd</sup> Joint Annual meeting of International Society of Heart Research (Indian Section) and International Academy of Cardiovascular Sciences (India Section), ISHR, 16<sup>th</sup> – 18<sup>th</sup> February, 2024, organized by Department of Cardiology, AIIMS Jodhpur,

5. Faculty for the Indian association for the palliative care

**Research Project:**

**Ongoing:**

**As Co-Investigator:**

1. Preventing and managing Retinopathy of Prematurity (ROP) among neonatal nurses
2. Development and validation of the maternal anxiety scale about childbirth

**Membership/Post in Journal or Society or Association**

1. Reviewer for Indian Journal of Palliative Care
2. Reviewer, Journal of Pain and Palliative Care Pharmacotherapy

**National/ International Conferences attended:**

1. World Health Day theme: "Millets and health" on 10<sup>th</sup> April 2023 at College of Nursing, AIIMS, Jodhpur.
2. Workshop on developmentally support care organized by department of neonatology, 14 April 2023, AIIMS Jodhpur.
3. "Quality Assurance Conclave 2023" on Quality Enhancement in Higher Education: Exploring interdisciplinary perspectives as a way forward to academic excellence on the 7<sup>th</sup> of June 2023 at Christian Medical College, Vellore.
4. Workshop on LGBTQIA +Affirmative Health care on the 2 December 2023 at AIIMS Jodhpur
5. Completed IGOT module recommended by Ministry of Health and Family Welfare.

**Any other information:**

1. Organising committee member for 8<sup>th</sup> National Mid-term PHO and Pre-Conference Workshop 2023 at AIIMS Jodhpur held from 21<sup>st</sup> to 23<sup>rd</sup> July 2023.
2. Organising committee member for the "NATIONAL NEWBORN WEEK" at College of Nursing, AIIMS Jodhpur.
3. Organized preconference workshop at the 31<sup>st</sup> International Conference of Indian Association of Palliative Care at GCRI Ahmedabad and on symptom Assessment Management in Palliative care empowering nurses for optimal patient comfort 8<sup>th</sup> February 2024.

**Name of Faculty: T Thuileiphy**

**Designation: Tutor/ Clinical Instructor (Nursing)**

**Research Project:**

**Completed:**

**As Principal Investigator:**

- Exploring the Impact of educational program on role of Neonatal Nurses in the Prevention and Management of Retinopathy of Prematurity (ROP): A Pre-Experimental Study at a Tertiary Hospital.

**As Co-Investigator:**

1. Development and validation of the maternal anxiety scale for institutional childbirth

## Faculty: Psychiatric Nursing

S. No.	Name	Designation
1.	Aashish Parihar	Assistant Professor
2.	Anant Chandrakant Chopade	Tutor/Clinical Instructor (Nursing)
3.	Anoop Sharma	Tutor/Clinical Instructor (Nursing)
4.	Dr. Asif Khan	Tutor/Clinical Instructor (Nursing)
5.	Jaishri	Tutor/Clinical Instructor (Nursing)
6.	Irasangappa Mudakavi	Tutor/Clinical Instructor (Nursing)
7.	Sanjay Sevak	Tutor/Clinical Instructor (Nursing)

**Name of Faculty: Aashish Parihar**

**Designation: Assistant Professor & Assistant Dean (Examinations)**

**Resource Person:**

1. Resource person on topics "Sampling & sample size in Qualitative research" in Workshop on "Qualitative Research Design" organized by SPHERE at Jaipur on 09th September 2023.
2. Resource person 23rd ISPN National Conference 2024 at SNU Nursing Institute, Kolkata, from 9th to 11th February, 2024.

**Research Project:**

**Ongoing:**

**As Principal Investigator:**

1. Global functioning among persons with mental illness at tertiary care centres of western Rajasthan.

**As Co-Investigator**

- Effectiveness of Mindfulness-Based Mandala Coloring Therapy on Perceived Stress among Individuals with Cervical Cancer: A Randomized Controlled Trial.
- Psychological Distress and Health Related Quality of Life Among Persons with Opioid Dependence at Psychiatric OPD, AIIMS Jodhpur: A Cross-Sectional Study.
- Self-esteem and social anxiety among persons living with epilepsy: A cross sectional study.
- Level of stress among caregivers of mentally ill patients: A Cross sectional Study.

**Completed:**

**As Principal Investigator:**

1. Quality of life of caregivers of mentally ill patients. A cross sectional study.

**As Co-Investigator**

- Effectiveness of training programme among security personnel regarding Knowledge of violence management in hospital setting": A Quasi-experimental study.

- Psychiatric Morbidity, Quality of life in patients Undergoing Hemodialysis: A Cross-sectional analytical study.
- Mental health challenges among transgenders: an exploratory study.
- Self-esteem, Infertility Related Stress, and Psychological Distress among Infertile Women: A Descriptive Analytical study.

#### **Examinership**

1. AIIMS, Jodhpur
2. AIIMS Bhopal
3. ABVMU Lucknow

#### **National/ International Conferences attended:**

2. Workshop on "Qualitative Research Design" organized by SPHERE at Jaipur on 09th September 2023.
3. 23rd ISPN National Conference 2024 at SNU Nursing Institute, Kolkata, from 9th to 11th February, 2024

#### **Reviewed**

1. Essentials of Psychiatry and Mental Health Nursing, Kumar R, 2nd edition, Elsevier.

#### **Name of Faculty: Anoop Sharma**

**Designation: Tutor/ Clinical Instructor (Nursing) & Deputy Nursing Superintendent**

#### **Research Project:**

##### **Completed: (As Co-Investigator)**

1. Psychiatric Morbidity, Quality of life in patients Undergoing Hemodialysis: A Cross-sectional analytical study.

#### **National/ International Conferences attended:**

- 23rd National Annual Conference of the Indian Society of Psychiatric Nurses (ISPN); Sister Nivedita University, Kolkata, 9<sup>th</sup>-11th February 2024,

#### **Name of Faculty: Asif Khan**

**Designation: Tutor/ Clinical Instructor (Nursing)**

#### **Research Project:**

##### **Ongoing:**

##### **As Principal investigator:**

1. To explore the relationship between Alexithymia emotional intelligence and social relations among nurses.

**As Co-investigator:**

1. Effectiveness of mobile based organ donation education program on attitude towards organ donation among family members of patients admitted in ICU: an experimental study.
2. Psychological distress and health related quality of life among persons with opioid dependence: a cross sectional study
3. Self-esteem, infertility related stress and psychological distress among infertile women: a descriptive analytical study.

**Completed:**

**As Co-investigator:**

1. Drug attitude and medication adherence among patients with psychiatric illness : A cross sectional analytical study

**Name of Faculty: Jaishri**

**Designation: Tutor/ Clinical Instructor (Nursing)**

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. Effectiveness of Community Re-entry Program on global functioning, medication adherence, and relapse rate among bipolar affective disorder patients- A Randomized Controlled Trial.

**As Co-Investigator**

1. Global functioning among persons with mental illness at tertiary care centres of western Rajasthan.

**Completed**

**As Co-Investigator**

1. A study to assess the burden of caregiving, perceived social support, and quality of primary caregivers of children with cerebral palsy attending pediatrics OPD at AIIMS, Jodhpur.

**Name of Faculty: Irasangappa Mudakavi**

**Designation: Tutor/ Clinical Instructor (Nursing)**

**Books/Chapters**

- Conceptualization and development of the psychopharmacology module as a part of the Nationwide Community Mental Health Nurse Champion ECHO Program.

**Papers Presented:**

1. Predictors of psychotic relapse among individuals with second episode schizophrenia spectrum disorders. National Conference on Transformation of Nursing Research-An Update by CNRS South-Zone. 4<sup>th</sup> August 2023.

**Invited Lectures**

1. Delivered a guest lecture on "Mental health is a universal human right" on World Mental Health Day 2023 at Arogya College of Nursing Belgaum.

**Resource Faculty:**

2. Curriculum development of the Nationwide Community Mental Health Nurse Champion ECHO Program. 26/07/2023, Organized by the Dte.GHS, Ministry of Health and Family Welfare, in collaboration with ECHO India.

**Research Project:****Ongoing:****As Co-Investigator**

1. Effectiveness of mindfulness-based Mandala Coloring Therapy on perceived stress among individuals with cervical cancer: A randomized controlled trial"
2. Pain Behaviour and Pain Management Practices among mechanically ventilated critically ill patients: A Cross-sectional Study

**Completed:****As Principal Investigator**

1. "Transitional Nursing Care Interventions on the process of recovery, symptom severity, medication adherence, functional ability, prevention of relapse and readmissions among individuals with severe mental illness: A randomized controlled trial"

**As Co-Investigator**

1. Lived experiences of individuals with DHAT syndrome admitted to inpatient Psychiatric unit of AIIMS Jodhpur: A qualitative study
2. "Effectiveness of Training Programme on security personnel regarding knowledge of violence management in the hospital setting- A quasi-experimental study"

**Membership/Post in Journal or Society or Association**

1. Registered Life member of the Clinical Nursing Research Society (CNRS) of India

**National/ International Conferences attended:**

2. Workshop on work-life balance organized by Yoga & Meditation Club AIIMS, Jodhpur on 12/06/2023.
  3. Stress management and productivity at work organized by College of Nursing AIIMS, Jodhpur on 25/07/2023.
  4. Midterm PHO Conference organized by Department of Pediatrics AIIMS, Jodhpur on 22/07/2023.
  5. Nationwide Community Mental Health Nurse Champion ECHO Program organized by Dte.GHS, Ministry of Health and Family Welfare, and ECHO New Delhi on 26/07/2023.
  6. Medical Literature Searching and Referencing organized by the Department of CMFM AIIMS, Jodhpur on 17/08/2023.
  7. Workshop on authorship: Ethical Consideration organized by Research section AIIMS, Jodhpur on 26/08/2023.
  8. Yoga for Healthy Life was organized by the College of Nursing AIIMS, Jodhpur, on 29/08/2023.
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9. Integrated Health System organized by Arogya Bharati, Govt. of H&FW on 01/09/2023.
10. Sports Medicine and Science in Sports: An Insight organized by Sports Committee AIIMS, Jodhpur on 23/09/2023.
11. Dealing with Conflict at Workplace organized by College of Nursing AIIMS, Jodhpur on 26/09/2023.
12. Work-Life Balance was organized by the Department of Psychiatry AIIMS, Jodhpur on 10/10/2023.
13. Importance of Data Privacy in Healthcare organized by Dean Academics AIIMS, Jodhpur on 13/10/2023.
14. Time Management and Priority Setting organized by College of Nursing AIIMS, Jodhpur on 30/11/2023.
15. Navigating Life's Challenges: A Spiritual Discourse on Stress Management organized by College of Nursing AIIMS, Jodhpur on 19/01/2024.
16. Emotional Intelligence among Nursing Faculty organized by College of Nursing AIIMS, Jodhpur on 30/01/2024.
17. Role and responsibilities of genetic cancer clinic in the current era organized by Department of Medical Oncology AIIMS, Jodhpur on 08/02/2024.
18. Training on Cochrane Library Database organized by Central Library Committee AIIMS, Jodhpur on 15/02/2024.
19. Newer Methods of Assessment in Nursing organized by College of Nursing AIIMS, Jodhpur on 27/02/2024.
20. Regenerative medicine and tissue engineering in lower urinary tract organized by Department of Pediatric Surgery AIIMS, Jodhpur on 01/03/2024.
21. Revisiting Miller's Pyramid organized by College of Nursing AIIMS, Jodhpur on 26/03/2024.
22. Beyond the Binary: Mixed Presentations in Mood Disorders organized by Department of Psychiatry AIIMS, Jodhpur on 27/03/2024.

#### **Any other information:**

1. Published write up titled "Do You Believe in Magic in Healthcare? If Not, Start Using Artificial Intelligence" in the College of Nursing News Letter "Nursing Imprint" on February 2024.

**Name of Faculty: Sanjay Sevak**

**Designation: Tutor/ Clinical Instructor (Nursing)**

#### **Papers Presented:**

- Sanjay S. Nurse-led De-stressful Skill Interventions (NDSI) on stress, resilience, self-esteem, coping strategies and quality of life among patients with depression disorder. 23rd National Annual Conference of the Indian Society of Psychiatric Nurses (ISPN); 9<sup>th</sup>-11<sup>th</sup> February 2024, Sister Nivedita University, Kolkata. **(Awarded as Best scientific paper presentation)**
- Sanjay S. Efficacy of stress reduction interventions in enhancing treatment outcome among PDD. 27th Annual National Conference of Nursing Research Society of India (NRSI), 2<sup>nd</sup> to 4<sup>th</sup> November 2023; 2023; NINE, PGIMER, Chandigarh.

#### **Resource Faculty:**

1. Dissemination of research finding. Expert session. 03/03/24; Manikaka Topiwala Institute of Nursing, CHARUSAT, Anand, Gujarat.



2. Qualitative Analysis. Research Methodological Course. 07/02/24; College of Nursing AIIMS Jodhpur
3. Basics of sampling and probability. Research Methodological Course. 08/12/23

**Research Project:**

**Ongoing:**

**As Principal Investigator**

- A study of nurse-led de-stressful skill interventions on stress, resilience, self-esteem, coping strategies and quality of life among patients with depression in AIIMS Jodhpur.

**As Co-Investigator**

1. Mental health challenges among transgenders: an exploratory study.
2. Self-esteem and social anxiety among persons living with epilepsy: A cross-sectional study.
3. Life style and body mass index among adolescents among selected schools of Navi Mumbai: A correlational study.

**Completed:**

**As Co-Investigator**

1. Resilience and Emotional Intelligence among undergraduate Nursing students: a cross sectional analytical study.

## School of Public Health

S.No.	Name	Designation
1	Dr. Pankaj Bhardwaj	Professor & Academic Head SPH
2	Dr. Manoj Kumar Gupta	Additional Professor & Coordinator MPH Program SPH

### Adjunct Faculty List

S.No.	Name	Designation	Department
1.	Dr. Pradeep Kumar Bhatia	Professor and Head	Anesthesiology and Critical Care
2.	Dr. Shailja Sharma	Additional Professor	Biochemistry
3.	Dr. Shrimanjanath Sankanagoudar	Additional Professor	Biochemistry
4.	Dr. Surender Deora	Additional Professor and Head	Cardiology
5.	Dr. Atul Kaushik	Associate Professor	Cardiology
6.	Dr. Srikanth Srinivasan	Additional Professor	Community Medicine & Family Medicine
7.	Dr. Naveen K H	Additional Professor	Community Medicine & Family Medicine
8.	Dr. Prem Prakash Sharma	Additional Professor	Community Medicine & Family Medicine
9.	Dr. Akhil Dhanesh Goel	Additional Professor	Community Medicine & Family Medicine
10.	Dr. Prasanna T	Additional Professor	Community Medicine & Family Medicine
11.	Dr. Suman Saurabh	Associate Professor	Community Medicine & Family Medicine
12.	Dr. Vinay Kumar Chugh	Professor	Dentistry
13.	Dr. Abhishek Bhardwaj	Professor and Head	Dermatology, Venereology & Leprology
14.	Dr. Binit Sureka	Additional Professor	Diagnostic & Interventional Radiology
15.	Dr. Pawan Kumar Garg	Additional Professor	Diagnostic & Interventional Radiology
16.	Dr. Taruna Yadav	Additional Professor	Diagnostic & Interventional Radiology
17.	Dr. Amit Goyal	Professor and Head	E.N.T.-Otorhinolaryngology
18.	Dr Madhukar Mittal	Additional Professor	Endocrinology and Metabolism
19.	Dr. Raghvendra Singh Shekhawat	Additional Professor	Forensic Medical and Toxicology
20.	Dr. Vikas Premlal Meshram	Additional Professor	Forensic Medical and Toxicology

21.	Dr. Mahendra Kumar Garg	Professor and Head	General Medicine
22.	Dr. Gopal Krishna Bohra	Additional Professor	General Medicine
23.	Dr. Maya Gopalakrishnan	Associate Professor	General Medicine
24.	Dr. Deepak Kumar	Associate Professor	General Medicine
25.	Dr. Naveen Sharma	Professor and Head	General Surgery
26.	Dr. Ruchi Garg	Assistant Professor	Hospital Administration
27.	Dr. Nishant Sharma	Assistant Professor	Hospital Administration
28.	Dr. Vibhor Tak	Additional Professor	Microbiology
29.	Dr. Sarika Prabhakar Kombade	Associate Professor	Microbiology
30.	Dr. Vidhi Jain	Associate Professor	Microbiology
31.	Dr. Nitin Kumar Bajpai	Additional Professor	Nephrology
32.	Dr. Samhita Panda	Professor and Head	Neurology
33.	Dr. Pratibha Singh	Professor and Head	Obstetrics & Gynaecology
34.	Dr. Shashank Shekhar	Professor	Obstetrics & Gynaecology
35.	Dr. Charu Sharma	Additional Professor	Obstetrics & Gynaecology
36.	Dr. Aasma Nalwa	Additional Professor	Pathology & Lab Medicine
37.	Dr. Jagdish Prasad Goyal	Professor	Pediatrics
38.	Dr. Aliza Mittal	Additional Professor	Pediatrics
39.	Dr. Ravi Gaur	Additional Professor	Physical Medicine & Rehabilitation
40.	Dr. Nitesh Manohar Gonnade	Additional Professor	Physical Medicine & Rehabilitation
41.	Dr. Naresh Nebhinani	Professor and Head	Psychiatry
42.	Dr. Pratibha	Associate Professor	Psychiatry
43.	Dr. Mukesh Kumar Swami	Additional Professor	Psychiatry
44.	Dr. Navratan Suthar	Associate Professor	Psychiatry
45.	Dr. Preethy K	Assistant Professor	Psychiatry
46.	Dr. Naveen Dutt	Professor & Head	Pulmonary Medicine
47.	Dr. Nishant Kumar Chauhan	Professor	Pulmonary Medicine
48.	Dr. Puneet Pareek	Additional Professor and Head	Radio-Therapy
49.	Dr. Vaibhav Kumar Varshney	Additional Professor	Surgical Gastroenterology
50.	Dr. Mahaveer Singh Rodha (General Surgery)	Professor & Head	Trauma and Emergency
51.	Dr. Ankur Sharma (Anaesthesiology)	Additional Professor	Trauma and Emergency
52.	Dr. Bharat Choudhary (Pediatrics)	Additional Professor	Trauma and Emergency

53.	Dr. Gautam Ram Choudhary	Additional Professor	Urology
54.	Dr. Suresh Kumar Sharma	Professor cum Principal	Nursing
55.	Dr. Ashok Kumar	Associate Professor	Nursing
56.	Ms. Gomathi Arumugam	Associate Professor	Nursing
57.	Ms. Mamta	Assistant Professor	Nursing

**Committee on Educational Policy:**

S.No.	Designation	Committee Member
1.	Chairperson	Director, AIIMS Jodhpur
2.	Dean	Dean Academics, AIIMS Jodhpur
3.	Academic Head SPH	Dr. Pankaj Bhardwaj, Additional Professor CMFM
4.	MPH Program Coordinators	1. Dr. Manoj Kumar Gupta, Additional Professor CMFM 2. Dr. Varuna Vyas, Associate Professor Pediatrics
5.	Academic Advisors	1. Dr. Kuldeep Singh, HoD Pediatrics 2. Dr. Surajit Ghatak, HoD Anatomy 3. Dr. Mahendra Garg, HoD General Medicine 4. Dr. Pradeep Bhatia, HoD Anesthesiology 5. Dr. Arun Kumarendu Singh, HoD Neonatology 6. Dr. Pratibha Singh, HoD Obstetrics and Gynecology 7. Dr. Suresh Sharma, Principal College of Nursing 8. Dr. P. P. Sharma, Associate Professor (Biostatistics) CMFM 9. Dr. Surekha Kishore, Executive Director, AIIMS Gorakhpur 10. Dr. Sanjay Zodpey, President Public Health Foundation of India, New Delhi 11. Prof B. S. Garg, Director Professor & Secretary, KHS, Mahatma Gandhi Institute of Medical Sciences, Wardha 12. Dr. Deepak B. Saxena, Professor and Registrar (Acting) Indian Institute of Public Health, Gandhinagar

**About the Department**

SPH-AIIMS Jodhpur is dedicated to provide excellence in public health education, research, fellowship, training, and highest standard of care to community. SPH offers two programs: Master of Public Health (MPH) and Executive Program in Public Health Policy, Leadership & Management

The Master of Public Health (MPH) program at AIIMS, Jodhpur is developed to provide professionals the critical multidisciplinary training to help tackle various public health issues and achieve leadership position. It provides a platform to public health enthusiasts to apply public health concepts, principles, and methodologies obtained through course work to actual health problems in the community or work environment.

Executive Program in Public Health Policy, Leadership & Management is a 6-month training program which is specially designed for mid-career and senior level (more than 5 yrs of work experience) working professionals who aspire to augment their leadership and management skills while still within their

workplace. This program offers a unique opportunity for in service candidates to complete the course by participation in two weeks contact sessions and 22 weeks supervised online interactive sessions.

SPH was started in 2017 and till date six batches of MPH program and 5 batches of Executive Program in Public Health Policy, Leadership & Management have passed. Currently SPH has two batches of MPH of 20 Students each (2023 & 2024) and one batch of Executive Program of 20 participants.

### **Publications:**

1. Giribabu, Dandabathula; Ghosh, Koushik; Hari, Rohit; Chadha, Ishani; Rathore, Sejal; Kumar, Gaurav; Roy, Subham; Joshi, Nitin Kumar; Bharadwaj, Pankaj; Bera, Apurba K; Road accidents on Indian National highways, ambulance reachability and transportation of injured to trauma facility: survey-based introspection of golden hour *Journal of family medicine and primary care* 132704-712704-7122024 Medknow
2. Gupta, Nainsi; Gupta, Manoj Kumar; Joshi, Nitin Kumar; Mantri, Neha; Sridevi, G; Patel, Mamta; Goel, Akhil Dhanesh; Singh, Kuldeep; Garg, MK; Bhardwaj, Pankaj; Is telemedicine a holy grail in healthcare policy: clinicians' and patients' perspectives from an Apex Institution in Western India *BMC Health Services Research* 2311611612023 BioMed Central London
3. Jain, Yogesh Kumar; Bhardwaj, Pankaj; Joshi, Nitin Kumar; Gupta, Manoj Kumar; Goel, Akhil Dhanesh; Sharma, Prem Prakash; Death, disability, and premature life years lost due to cigarettes, Bidis, and smokeless tobacco in India: A comparative assessment *Addiction & Health* 15153532023 Kerman University of Medical Sciences
4. Jain, Yogesh Kumar; Bhardwaj, Pankaj; Joshi, Nitin Kumar; Gupta, Manoj Kumar; Goel, Akhil Dhanesh; Sharma, Prem Prakash; Lal, Pranay; Kapoor, Shivam; Singh, Rana Jugdeep; Increased taxes and regulation of Indian cigarillos (bidi) industry: Effects on revenue and years of life lost *Nicotine and Tobacco Research* 143ntae1432024 Oxford University Press US
5. Jain, Yogesh Kumar; Bhardwaj, Pankaj; Joshi, Nitin Kumar; Singh, Prashant Kumar; Lal, Pranay; Kapoor, Shivam; Gupta, Manoj Kumar; Goel, Akhil Dhanesh; Sharma, Prem Prakash; Singh, Shalini; Estimating the weight of consumed tobacco product waste in various Indian states: a novel method to assess the potential burden of tobacco product waste *Tobacco Control* 2023 BMJ Publishing Group Ltd
6. Jain, Yogesh Kumar; Bhardwaj, Pankaj; Joshi, Nitin Kumar; Singh, Prashant Kumar; Lal, Pranay; Kapoor, Shivam; Gupta, Manoj Kumar; Goel, Akhil Dhanesh; Sharma, Prem Prakash; Singh, Shalini; India's environmental burden of tobacco use and its policy implications *The Lancet Regional Health- Southeast Asia* 202024 Elsevier
7. Joshi, Nitin Kumar; Bhardwaj, Pankaj; Navigating the Epidemiological Landscape of Aging in Rural India: Imperative for Policy Pathways *Journal of the Epidemiology Foundation of India* 2125-2625-262024
8. Joshi, Nitin Kumar; Jain, Yogesh Kumar; Suthar, Praveen; Joshi, Vibha; Bhardwaj, Pankaj; Singh, Kuldeep; Oral Manifestations among Coronavirus Disease 2019 Patients: Evidence from the Thar Desert Region of India *Journal of Public Health and Primary Care* 43157-161157-1612023 Medknow
9. Joshi, Nitin Kumar; Joshi, Vibha; Bajaj, Komal; Strengths, weaknesses, opportunities, and threats analysis of the national program for health care of the elderly *Journal of the Indian Academy of Geriatrics* 19154-6054-602023 Medknow
10. Joshi, Vibha; Joshi, Nitin Kumar; Bhardwaj, Pankaj; Singh, Kuldeep; Ojha, Deepika; Jain, Yogesh Kumar; The health impact of mHealth interventions in India: a systematic review and meta-analysis *Online Journal of Public Health Informatics* 15e50927e509272023 JMIR Publications Toronto, Canada

11. Kabir, Zarina Nahar; Tyrrell, Marie; Konradsen, Hanne; Craftman, Åsa; Joshi, Nitin; Gupta, Manoj Kumar; Sharma, Suresh; Bhardwaj, Pankaj; mHealth based intervention by social care professionals to support family caregivers to persons with dementia living at home in Sweden (Caregiver Connect): a randomized controlled trial *BMJ geriatrics* 2415195192024 BioMed Central London
12. Mahajan, Diksha; Gupta, Manoj Kumar; Mantri, Neha; Joshi, Nitin Kumar; Gnanasekar, Sridevi; Goel, Akhil Dhanesh; Srinivasan, Srikanth; Gonade, Nitesh Manohar; Sharma, Suresh Kumar; Garg, Mahendra Kumar; Musculoskeletal disorders among doctors and nursing officers: an occupational hazard of overstrained healthcare delivery system in western Rajasthan, India *BMC Musculoskeletal Disorders* 2413493492023 BioMed Central London
13. Meena, B; Kumar, A; Joshi, NK; Jain, YK; Mingwal, M; Bhardwaj, P; Hypertension and its Risk Factors among College Students of Jodhpur, Rajasthan *CHRISMED J Health Res* 101105-9105-92023 Wolters Kluwer – Medknow
14. Patel, Mamta; Mantri, Neha; Joshi, Nitin; Jain, Yogesh; Goel, Akhil Dhanesh; Gupta, Manoj; Srinivasan, Srikanth; Yadav, Vikas; Joshi, Vibha; Singh, Kuldeep; Is anxiety a public health problem among older adults in India: Results from a systematic review and meta-analysis *Journal of Family Medicine and Primary Care* 1372545-25542545-25542024 Medknow
15. Rai, Shubham; Joshi, Nitin Kumar; Jain, Yogesh Kumar; Saurabh, Suman; Bhardwaj, Pankaj; Compliance, enablers and barriers to implementation of the cigarette and other tobacco products act, in Jodhpur, Rajasthan *International Journal of Public Health* 1241422-14291422-14292023
16. Sharma, Himani; Joshi, Nitin Kumar; Jain, Yogesh Kumar; Bhardwaj, Pankaj; Promoting Health and Well-being of Institutionalized Destitute Females: A Study from Thar Region of India *Journal of Datta Meghe Institute of Medical Sciences University* 19192-9792-972024 Medknow
17. Sharma, Jyoti; Joshi, Nitin Kumar; Jain, Yogesh Kumar; Singh, Kuldeep; Bhardwaj, Pankaj; Assessment of reproductive health service utilisation in urban slums: Evidence from Western Rajasthan *Asian Pacific Journal of Reproduction* 12252-5752-572023 Medknow
18. Upadhyay, P.K., Sharma, V., Srinivasan, S. Gupta M.K., Goyal A. Knowledge, Attitude and Practice on Vocal Abuse and Vocal Hygiene among Diverse Occupational Voice Users in Jodhpur, Rajasthan. *Indian J Otolaryngol Head Neck Surg* (2024). <https://doi.org/10.1007/s12070-024-04685-w>
19. Mantri N, Goel AD, Patel M, Baskaran P, Dutta G, Gupta MK, Yadav V, Mittal M, Shekhar S, Bhardwaj P. National and regional prevalence of gestational diabetes mellitus in India: a systematic review and Meta-analysis. *BMC Public Health*. 2024 Feb 20;24(1):527. doi: 10.1186/s12889-024-18024-9.
20. Bhardwaj P, Ganapathy K, Pathania M, Naveen KH, Charan J, Dutta S, Gadepalli R, Srinivasan S, Gupta MK, Goel AD, Midha N, Kumar B, Sharma M, Sharma P, Banerjee M, Mitra P, Misra S, V V, Subramanian G, R P, Dhar M, Saxena V, Dhamija P, Singh A, Subramanian S, Kanchibhotla D. Effectiveness of ayurvedic formulation, NAOQ19 along with standard care in the treatment of mild-moderate COVID-19 patients: A double-blind, randomised, placebo-controlled, multicentric trial. *J Ayurveda Integr Med*. 2023 Nov-Dec;14(6):100778. doi: 10.1016/j.jaim.2023.100778. Epub 2023 Nov 15. PMID: 37976809; PMCID: PMC10684801.
21. Kumar G, Bhalla A, Mukherjee A...Gupta M.K., et al Post COVID sequelae among COVID-19 survivors: insights from the Indian National Clinical Registry for COVID-19 *BMJ Global Health* 2023;8:e012245.
22. Kaushal R, Goyal JP, Goel AD, Patel M, Bhardwaj P. Burden of overweight and obesity among children studying in schools of Western Rajasthan. *Indian J Comm Health*. 2024;36(1):145-148.

**Workshops/ Outreach Activities Organized:**

S.No	Activity/Outreach	Date
1.	Patients Voices: Collected narratives of people living with hypertension from Dhundhara, Pipar city and Pratap nagar.	April 2023- Feb 2024
2.	External evaluators for TB Mukht gram panchayat covering 52 panchayats in Rajasthan, collaboration with WHO – India and Department of Health & FW, Rajasthan	17 <sup>th</sup> April – 29 <sup>th</sup> April 2023
3.	World No Tobacco Day – Sensitization program at AIIMS OPD with MPH 2023 scholars	31 <sup>st</sup> May 2023
4.	World Drug Day: Sensitization activity which involved Health Talk and pledge was conducted at CHC Dhawa	26 <sup>th</sup> Jun 2023
5.	International Day against Drug Abuse and Illicit Trafficking: Sensitization program at Government School, Keru	29 <sup>th</sup> Jun 2023
6.	A consultative workshop on & Hypertension Care and Control Workshop on the National Program for Prevention and Control of Noncommunicable Diseases (NP-NCD) in collaboration with NIHF and Global Health Advocacy Incubator	03 <sup>rd</sup> Aug 2023
7.	Mortality surveillance among people living with HIV- State level training by RI, AIIMS Jodhpur	14 <sup>th</sup> – 18 <sup>th</sup> Aug 2023
8.	Visit to the district drug warehouse, RMSCL, Jodhpur for the assessment of the current state of the logistics system for hypertension drug supply	04 <sup>th</sup> Sep 2023
9.	National Nutrition week: Quiz and poster making Competition was organised related to nutrition and healthy diet at Dr Padamchand Bilam Kanwar Gandhi Govt. Senior Sec School, Residency Road	06 <sup>th</sup> Sep 2023
10.	World Patient Safety day: Health Booths were organised at OPD Registration area of AIIMS Jodhpur and patients were informed about radioactive safety, blood safety and antimicrobial resistance in hospital.	16 <sup>th</sup> Sep 2023
11.	National Consultation workshop on Economic Approaches in Bidi use Reduction	19 <sup>th</sup> Sep 2023
12.	World Mental Health day: Nukkad Natak at Karwad Village for sensitisation of psychotic and mental illness, their Signs and symptoms experienced and importance of Health Seeking behaviour	04 <sup>th</sup> Oct 2023
13.	World Mental health day: Skit, Yoga & Interactive games was organised in Govt. Senior Sec School, Pratap Nagar for sensitisation of Mental health.	10 <sup>th</sup> Oct 2023
14.	Training of Medical Officers, CHOs and ANMs on NCD services conducted by the Directorate of Medical and Health Services, Jaipur, Rajasthan and WHO India, in collaboration with School of Public Health, AIIMS Jodhpur and GHAI	10 <sup>th</sup> Oct 2023 - 13 <sup>th</sup> Oct 2023
15.	World Trauma Day: SPH along with Dept of Trauma and Emergency, AIIMS Jodhpur organized a demonstration for administering first aid for trauma and golden hour rule for first aid to save lives at Dr Padamchand Bilam Kanwar Gandhi Govt. Senior Sec School, Residency Road	17 <sup>th</sup> Oct 2023
16.	World Obesity day: Sensitisation Activity was conducted at Jodhpur Public	19 <sup>th</sup> Oct 2023

	School for awareness, its prevention and Healthy diet and screening of students.	
17.	World Osteoporosis Day: Sensitisation activity at Sanskar International school about Risk Factors, its Signs and symptoms and prevention of Osteoporosis.	20 <sup>th</sup> Oct 2023
18.	World Iodine deficiency day: Sensitization activity at Rajkiya Uchch Madhyamik Vidhayala about risk factors, causes and prevention of Iodine Deficiency among school going children	23 <sup>rd</sup> Oct 2023
19.	World Polio day: Sensitization activity focusing on immunisation at Anganwadi Centre at Nand Ghar	24 <sup>th</sup> Oct 2023
20.	World Stroke Day: Sensitisation and interactive sessions at Aadarsh community Health Centre, Keru focussing on Risk factors, Causes and Prevention of Stroke.	29 <sup>th</sup> Oct 2023
21.	Multi-stakeholder meeting on Accelerating Progress on Government of India 75/25 Initiative at India Habitat Centre, New Delhi as patient advocate.	9 <sup>th</sup> Nov, 2023
22.	World Immunization week: Sensitization activity regarding need of immunization, benefits, Immunization schedule conducted at mothers and women at Nand ghar Anganwadi center.	10 <sup>th</sup> Nov 2023
23.	World Pneumonia day : Sensitisation activity at Shri Vardhmaan Jain CHC Dhundhara about symptoms, prevention and nanagement of Pneumonia in various age groups	12 <sup>th</sup> Nov 2023
24.	World Diabetes Day: Press release on Theme the Access to Diabetic Care.	14 <sup>th</sup> Nov 2023
25.	New born care week: Sensitization on KMC Procedure, Importance of First Milk and Newborn Feeding Practices to women at Anganwadi Centre at Nand Ghar, CHC Dhawa, Keru & Dhundhara	15 <sup>th</sup> Nov – 21 <sup>st</sup> Nov 2023
26.	National Epilepsy day: Epilepsy awareness session was delivered to students and teachers at Jodhpur Public school	17 <sup>th</sup> Nov 2023
27.	World COPD day: SPH and Pulmonary medicine organised a sensitization activity for patients attending OPD	19 <sup>th</sup> Nov 2023
28.	Scholarship received by MPH 2023 batch for facilitator based e-learning course on Monitoring and evaluation in Public Health, from Dept of Global Health, University of Washington	20 <sup>th</sup> Nov 2023
29.	HIV sentinel surveillance among High risk group & Integrated Behavioral and biological surveillance among people living with HIV- Regional TOT- RI, AIIMS Jodhpur	22 <sup>nd</sup> -24 <sup>th</sup> Nov 2023
30.	ICMR-Forte Partner Meeting organized by SPH AIIMS Jodhpur in conjunction with Karolinska Institutet, Sweden to identify area of collaboration a and work forward	27 <sup>th</sup> Nov – 30 <sup>th</sup> Nov 2023
31.	World AIDS day: Nukkad Natak and sensitization activity at Jodhpur Bus Stand, Raika Bagh on topics demarcating stigma regarding AIDS.	01 <sup>st</sup> Dec 2023
32.	National Pollution prevention day: Sensitization activity for labourers, shop keepers and general public at Dhan Mandi, Jodhpur regarding detrimental	02 <sup>nd</sup> Dec 2023



	effects of plastic and pollution of air , water and soil	
33.	SPH and ECHO India organised a National Roundtable discussion of Strengthening Public health Education in India	07 <sup>th</sup> Dec 2023
34.	Human Rights day: Sensitization activity and interactive session organised at G D Memorial College, Jodhpur regarding inclusivity and justice of Individual.	10 <sup>th</sup> Dec 2023
35.	International UHC day: SPH in collaboration with World Health organisation, ISRO and District health administration, Jodhpur commemorated UHC day.	12 <sup>th</sup> Dec 2023
36.	Cervical Cancer awareness month: Sensitisation and educational Material distribution at GD Memorial college, Jodhpur for better understanding of cervical health and importance of cervical cancer vaccination.	06 <sup>th</sup> Jan 2024
37.	Viksit Bharat Abhiyan, Rohicha kalla- OPD services, dental services and awareness activities conducted.	11 <sup>th</sup> Jan 2024
38.	Viksit Bharat Abhiyan, - OPD services, dental services and awareness activities conducted at Pheech, Dhawa	12 <sup>th</sup> Jan 2024
39.	National Youth Day- mini cyclothon was jointly organized by School of Public Health and National Medicos Organization at AIIMS Jodhpur to promote the awareness about hypertension control and care among the youth population.	12 <sup>th</sup> Jan 2024
40.	Commemoration of Road Safety Awareness Week in Mahatma Gandhi Government Senior Secondary School, Bhadwasiya, Jodhpur in educating and engaging the attendees through various informative and interactive activities.	23 <sup>rd</sup> Jan 2024
41.	Commemoration of World Cancer Day in Public Bus Station, Paota discussing about the Cancer Prevention strategies to engage the local community in discussions about cancer, debunk myths, and provide valuable health information.	05 <sup>th</sup> Feb, 2024
42.	Organization of Sexual and Reproductive health awareness day among school students in Madhuban Shikshan Seva and Vikas Sansthan aimed to educate, empower, and encourage discussions on topics that are often considered taboo but are essential for the well-being and health of communities.	12 <sup>th</sup> Feb, 2024
43.	Deworming Day was organized in SSPS School, Choukhan aimed at raising awareness about the importance of deworming and general health among students	19 <sup>th</sup> Feb, 2024
44.	Organized Webinar on "Hypertension: A Risk factor of Thromboembolic Stroke" in Collaboration with Guwahati Medical College and Hospital, Assam	28 <sup>th</sup> Feb 2024
45.	World hearing day was organized at Rajkiya Balika Varistha Upadhyay Sanskrit Vidyalaya in Keru, Jodhpur, focusing on raising awareness about preventive measures against hearing loss and promoting ear and hearing care	04 <sup>th</sup> Mar, 2024
46.	International HPV Awareness Day, awareness about Human Papillomavirus (HPV), its connection to Cervical Cancer, and the Importance of Vaccination for Prevention at AIIMS, Jodhpur	06 <sup>th</sup> Mar, 2024
47.	International Women's Day at Panchayat Ghar Chaukhan aimed to educate, empower, and acknowledge the role of women in society, focusing on health	11 <sup>th</sup> Mar, 2024

	and well-being.	
48.	Community advisory board meeting for IBBS among clients of female sex workers- RI, AIIMS Jodhpur	11 <sup>th</sup> Mar 2024
49.	World Kidney Day: Generated awareness on the importance of Kidney as an organ and the correlation of uncontrolled hypertension silently damages kidney health in India through social media coverage	14 <sup>th</sup> Mar, 2024
50.	Measles Immunization Day aimed at enhancing awareness and understanding of measles among the attendees in CHC, Keru	15 <sup>th</sup> Mar, 2024
51.	World Disabled Day, commemorated in Department of Physical Medicine and Rehabilitation, AIIMS, Jodhpur dedicated to raising awareness and fostering inclusivity for disabled individuals.	16 <sup>th</sup> Mar, 2024
52.	World TB Day in Kamla Nehru TB and Chest Hospital, Jodhpur raising public awareness about the devastating health, social and economic consequences of tuberculosis.	28 <sup>th</sup> Mar, 2024

#### Eminent Visitors:

1. Dr. Leimapokpam Swatcharan, Additional Deputy Director General of Health Services & Director (Emergency Medical Relief), Directorate General of Health Services, MoH&FW, Government of India
2. Maj Gen Dr. Atul Kotwal- Executive Director, National Health System Research Centre (NHSRC), MoHFW, Govt of India
3. Dr. Sanjay Zodpey- President, Public Health Foundation of India
4. Dr. BS Garg- Director (Hon), Dr. Sushila Nayar School of Public Health, MGMIS, Wardha
5. Dr. Umesh Kapil- Secretary, National Academy of Medical Sciences
6. Dr. Sanjiv Kumar- Chairperson, Advisory committee, Indian Alliance of Patients Group
7. Dr. Dheeraj Shah- Director, National Institute of Health and Family Welfare
8. Dr. Suneela Garg- Chair- Program Advisory Committee, National Institute of Health and Family Welfare
9. Dr. Nutan Jain - Professor at S D Gupta School of Public Health at IIHMR University.

#### Any other information:

Published Report:

Health and Economic burden due to Bidi consumption in India (National report, National factsheet and state factsheet), SPH, AIIMS Jodhpur, Vital Strategies. Available at: <https://treesphaiimsjdj.org/news/56-health-and-economic-burden-due-to-bidi-consumption-in-india>.



National report Launch on Health & Economic burden due to BIDI  
Consumption in India, January 2024, AIIMS Jodhpur

National Report on the Lifecycle Approach to Beedi Trade in India. New Delhi: School of Public Health, AIIMS Jodhpur and The International Union against Tuberculosis and Lung Diseases (The Union) Southeast Asia; 2023 May. Available at: <https://treesphaiimsjdj.org/news/37-national-report-on-the-lifecycle-approach-to-beedi-trade-in-india>



National Report Launch on the Lifecycle Approach to Beedi Trade in India, May 2023

An Abridged Beedi Tax report: Navigating the implications of Beedi regulation and taxation, School of Public Health, AIIMS Jodhpur and The International Union against Tuberculosis and Lung Diseases (The Union) Southeast Asia. Available at: <https://treesphaiimsjdj.org/news/38-an-abridged-beedi-tax-report-navigating-the-implications-of-beedi-regulation-and-taxation>

#### **Projects (Ongoing and Completed):**

S. No.	Name of Project	Status
1.	Prioritizing hypertension control and care by strengthening primary health care.	Ongoing
2.	Mapping the entire bidi trade in the seven largest bidi producing states, and identify gaps in legal and illicit bidi manufacture	Completed
3.	m-health based Intervention by Community workers to support family caregivers to persons with dementia living at home. ICMR- FORTE study	Ongoing
4.	Developing cost effective strategies to strengthen and implement tobacco control policies related to bidi	Ongoing
5.	National Clinical Registry COVID-19: ICMR	Ongoing
6.	A study to analyse the Pressure Swing Adsorption Plants (PSA) established in Rajasthan during COVID 19 crisis	Ongoing
7.	Contingency planning for crisis resilience in procurement and supply chains in public health sector in Rajasthan".	Ongoing
8.	Epidemiology of Pancreatitis and Major Gastrointestinal Diseases: A multi-center study across India.	Ongoing
9.	HIV Surveillance and Epidemiology activities under the National AIDS Control Programme (NACP)	Ongoing
10.	Situational Analysis of Health Care Facility and Community Preparedness for Implementing Govt. of India Guidelines for Gestational Diabetes Mellitus	Ongoing
11.	Prevalence of depression, anxiety and stress among school going children (13-19 years) in Jodhpur	Ongoing
12.	Psychosocial and Economic Effect of Dementia Caregiving and Factors Associated: A Multicenter Study	Ongoing
13.	Effect of Health and Wellness Centers under Ayushman Bharat on the Out-of-pocket Expenditure of Geriatric Population: A Multicenter Study	Ongoing
14.	Factors associated with sudden deaths among adults aged 18–45 years, India: Multicentric matched case-control study	Ongoing
15.	Effect of COVID-19 vaccines on thrombotic events among 18-45 years old population in India 2022: A multicentric hospital based matched case control study	Ongoing
16.	A Phase III, Multicentre, Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Efficacy, Immunogenicity and Safety of Single dose of "DengiAll", a Live Attenuated Recombinant, Lyophilized Tetravalent Dengue Vaccine (TDV) in Healthy Indian Adults	Ongoing

**Guest Faculty:**

S. No	Name of Faculty	Designation
1.	A. M. Kadri	SHSRC, Department of Health & Family Welfare Govt. of Gujarat
2.	Amarjeet Singh	Professor & Head, Department of Community Medicine and School of

		Public Health PGIMER, Chandigarh
3.	Anand Krishnan	Professor, Centre for Community Medicine AIIMS, New Delhi
4.	Anil Vyas	Deputy Director, Social Justice and Empowerment, Jodhpur
5.	Anish Sinha	Associate Professor, Indian Institute of Public Health, Gandhinagar
6.	Archisman Mohapatra	Executive Director, GRID Council
7.	Arun Kumar Sharma	Director, National Institute for Implementation Research on Non-Communicable Diseases – ICMR, Jodhpur
8.	Arvind Mathur	Ex-Principal and Controller, SNMC, Jodhpur, Ex-In charge Geriatric Regional Centre, Director, ACMERI, Jodhpur
9.	Atul Kotwal	Executive Director, NHSRC, New Delhi
10.	Balwant Manda	Chief Medical and Health Officer, Jodhpur
11.	Madhu Gupta	Professor of Community Medicine & School of Public Health PGIMER, Chandigarh
12.	J.N. Srivastava	Advisor Quality Improvement, NHSRC, New Delhi
13.	Himanshu Bhushan	Head of Public Health Administration, Division of NHSRC, New Delhi
14.	Deepak B. Saxena	Professor, IIPH, Gandhinagar
15.	Chandrakant Lahariya	Public Policy and Health Systems Specialist, New Delhi
16.	BS Garg	Director, Dr. Sushila Nayar School of Public Health, Wardha
17.	Rajesh Kumar	SHSRC, Department of Health & Family Welfare, Govt of Punjab
18.	Prasanth KS	Senior Consultant–Public Health Administration, NHSRC, MoHFW, New Delhi
19.	Mona Gupta	Advisor, Health Policy and Integrated Planning, Lead NPMU
20.	Manish Chaturvedi	Professor, Planning, NIHFW, New Delhi
21.	Rana Sengupta	Managing Trustee and CEO MLPC
22.	Somen Saha	Associate Professor, IIPH Gandhinagar
23.	Sonu Goel	Department of Community Medicine & School of Public Health, PGIMER, Chandigarh
24.	Sitanshu Sekhar Kar	Department of PSM & School of Public Health JIPMER
25.	Suneela Garg	Professor of Excellence, Director Professor HAG, Maulana Azad Medical College & Associated Hospitals, New Delhi
26.	Sonali Kar	Department of Community Medicine, KIMS, Bhubaneswar, Odisha
27.	Rakesh Sarwal	CMD, National Minorities Development & Finance Corporation, Delhi
28.	Dr Robin	Professor, Biostatistics & Clinical Epidemiology, The Parker Institute,

	Christensen,	Bispebjerg and Frederiksberg Hospital, Denmark
29.	Dr Ambuj Kumar	Director, Research Methodology and Biostatistics Core, Office of Research Department of Internal Medicine, Morsani College of Medicine University of South Florida, Tampa, USA
30.	Dr. Rajendra N. Gadhavi	Consultant (P4), VDI & COVID19 WHO country Office, Faculty BJMC Ahmedabad
31.	Dr. Sandeep Bhalla	Adjunct Faculty PHFI, New Delhi, Associate Vice President-Projects Echo India
32.	Dr Zarina Nahar	Associate Professor, Public Health at Karolinska Institutet, Stockholm, Sweden (Obtained 2007). Adjunct Professor, School of Public Health, Brac University, Bangladesh (2014-2016).
33.	Hanne Konradsen	Professor in nursing, Herlev and Gentofte Hospital and University of Copenhagen, Affiliated Associate Professor (docentur), NVS Karolinska Institutet.
34.	Asa Gransjon Craftsman	Karolinska Instituted, NVS, Division of Nursing: Lecturer (disputerad adjunckt)
35.	Marie Tyrrell	Lecturer, Sophiahemmet University, Stockholm

#### Scientific Awards/Patents:

First prize in oral paper presentation for Dr. Vibha Joshi, Consultant Epidemiologist, RI, NACO, AIIMS Jodhpur on Gini Index Applications in Addressing HIV- Related Socio-Economic Inequality: A Comprehensive Scoping Analysis in IAPSMRAJCON- 2023(XII IAPSM chapter) held on 16<sup>th</sup> & 17<sup>th</sup> December jointly organised by S. N medical college, Jodhpur and Government Medical college, Pali at Jodhpur, Rajasthan.

Third prize in poster presentation for Dr Harsha Mishra, MPH scholar 2022 batch on Assessment of perceived stigma, quality of life, functional activity and awareness of available services among people affected with leprosy residing in leprosy communities in Jodhpur- A cross sectional study, in IAPSMRAJCON- 2023(XII IAPSM chapter) held on 16<sup>th</sup> & 17<sup>th</sup> December jointly organised by S. N medical college, Jodhpur and Government medical college, Pali at Jodhpur, Rajasthan.

Third prize in oral paper presentation for Miss. Bhagyashree Rout, MPH scholar 2022 batch on Assessment of Quality of life of children suffering with Cerebral palsy and their primary care givers in Western Rajasthan- A cross sectional study in IV<sup>th</sup> Annual National conference of Epidemiology foundation of India (EFICON 2023) held on 30<sup>th</sup> September – 1<sup>st</sup> October at Goa Medical College & Hospital, Bambolin, Goa.

# **Construction & Development**





## Engineering Department

S.no.	Name	Designation
1	Er. Shailendra Singh Rathore	Superintending Engineer (Till 16 <sup>th</sup> September 2023)
2	Er. Pankaj Saxena	Executive Engineer (Electrical) (officiating Superintending Engineer)
3	Er. Chandresh Pareek	Assistant Engineer (Civil) (officiating Executive Engineer -Civil)
4	Er. Rewat Ram Goyal	Assistant Engineer (Civil)
5	Er. Harshit Bhandari	Junior Engineer (Electrical) (Officiating Assistant Engineer –Electrical)
6	Er. Ajit Kumar	Junior Engineer (Electrical)
7	Er. Akshay Gupta	Junior Engineer (Electrical)
8	Er. Vishal Garg	Junior Engineer (Civil)
9	Er. Krishna Gopal Dass	Junior Engineer (Civil)
10	Er. Sunil Kumar Bhadala	Junior Engineer (Civil)
11	Er. Avinash Beniwal	Junior Engineer (Civil)
12	Er. Jitendra Singh Rajpurohit	Junior Engineer (AC&R)
13	Er. Rahul Tak	Junior Engineer (AC&R)
14	Er. Laloo Kumar Verma	Junior Engineer (AC&R)
15	Er. Himanshu Kaushik	Junior Engineer (AC&R)
16	Surender Choudhary	Store Keeper-Cum-Clerk

### Project Consultants M/s HLL INFRA TECH SERVICES LTD. (Since April 2016)

S.No.	Name	Designation
1.	Er. Varun Kumar	Assistant Project Engineer (Mechanical)

**Original DDPR Consultants - M/s Mathur & Kapre Associates Pvt. Ltd.****Original Construction Works at AIIMS, Jodhpur**

The construction works at AIIMS, Jodhpur were taken up in four packages I to IV. All the four packages tenders for the construction works were awarded by MoH&FW, GOI. Till July 2015 the contractor payments for all the construction works had been made from MoH&FW, New Delhi office.

**Status of construction works Packages: -**

Package	Name of Agency/Contractor	Nature of work	Contract Amount (Rs. In Crore)	Stipulated Date of Commencement & Completion as per agreement	Progress up to 31 <sup>st</sup> March 2020
I	M/s Consolidated Construction Consortium Ltd.	Medical College Complex Buildings	66.39	30.05.2010 29.08.2011	Work Completed on 30.04.2017
II	M/s L & T Ltd.	Hospital Complex Buildings	217.09	16.09.2010 15.09.2012	Work Completed on 20.12.2019
III	M/s Sudhir Gensets Ltd.	Electrical Services	43.38	19.08.2011 18.12.2012	Work Completed on 30.10.2015
IV	M/s Jatan Construction Pvt. Ltd.	Estate Services	51.84	04.07.2012 03.07.2013	Work Completed on 15.11.2016

**Engineering Officers Engaged through Outsourcing to look after Maintenance & and miscellaneous works at AIIMS Jodhpur**

S.No.	Name	Designation
1.	Er. Mridul Mathur	Gas Officer
2.	Er. Kunal Utralia	Junior Engineer
3.	Er. Gaurav Sharma	Junior Engineer
4.	Er. Kailash Paliwal	Junior Engineer
5.	Er. Piyush Bohra	Junior Engineer
6.	Er. Gaurav Sawriya	Junior Engineer
7.	Er. Madhav Ram	Junior Engineer
8.	Er. Neelu Mathur	Junior Engineer
9.	Er. Akhil U.V. Singh	Junior Engineer

**Package – I**  
**(Medical College Complex)**

S.No	Name of Building	Configuration	Total Floor (Sq.Metre)
1	Medical college	G+3	29,560
2	Nursing college	G+2	6,462
3	Ayush	G+1	1,830
4	Elect. Sub-station-II	G	750
5	Waste management complex	G	624
6	Auditorium	G+2	4,724
	<b>Total</b>		<b>43,950</b>

**Package – II**  
**(Hospital Complex)**

S.No	Name of Building	Configuration	Total Floor (Sq.Metre)
1	WARD	G + 6	33,192
2	OPD	G + 5	22,081
3	D&T OT	G + 6	23,383
4	TRAUMA	G+2	8,865
5	ESS 1	G+1	3,230
6	PMR	G+1	2,920
7	ONCOLOGY	G+1	2,966
8	WORKSHOP	G+1	2,,838
9	LAUNDRY	G	1,563
10	MORTUARY	G	664
11	CAFETERIA	G	834
12	MGP – LGP	G	150
	<b>Total</b>		<b>1,02,686</b>

**Package - III**  
**(Electrical Services)**

S.No.	Description of Items	Remarks
1	2000 KVA DG SETS	04 SETS
2	1010 KVA DG SETS	03 SETS
3	33KV/433V OIL TRANSFORMERS – 2.5 MVA	05 NOS
4	33KV/433V OIL TYPE TRANSFORMERS – 1.6 MVA	02 NOS
5	HT PANELS	03 SETS
6	LT PANELS	27 SETS
7	UPS	4 x 600 KVA
8	UPS	2 X 160 KVA
9	20 KL BULK OIL STORAGE AND TRANSFER SYSTEM	2 SETS
10	SCADA SYSTEM	1 SET
11	SOLAR PHOTOVOLTAIC SYSTEM 60 KW	1 SET
12	BUS DUCT	
13	COMPREHENSIVE OPERATION & MAINTENANCE	6 YEARS

**Package – IV**  
**(Estate Services)**

S.No	Name of Building	Configuration	Total Floor (Sq. Metre)
1	Roads & Land Scape	Roads & Paths	43,000 Sq.m
2	Landscaping and Fountain Work	Horticulture	50,000 Sq.m
3	External Sewerage	HDPE Pipe Line	5,000 Rmt
4	External Water Supply	DI/CPVC Pipe Line	5,000 Rmt
5	External Fire Fighting	MS Pipe Line	8,500 Rmt
6	Garden Irrigation System	HDPE Pipe Line	15,700 Rmt
7	Pumps and Water Treatment Plants	Hydro pneumatic System	6 Sets
8	Bore Well	Borewell	3 Nos.
9	Sewage Treatment Plant	850 KLD MBR Based STP	850 KLD
10	Solar Hot Water System	5000 LPD & 2500LPD	6 + 2 = 8 Nos
11	External Lighting Works	External Lighting	For entire complex

The construction of the Residential Complex and Hostels had been completed on 15.01.2011 by M/s RSRDC Ltd.

#### Faculty Houses

S.No	Name of Building	Description
1.	Type-V	24 Units
2.	Type-IV	22 Units
3.	Type-III	18 Units

#### Staff Houses

S. No.	Name of Building	Description
1.	Type – II	70 Units
2.	Type – I	32 Units

#### Hostel Blocks

S. No.	Name of Building	No. of Rooms
1.	PG & Interns Hostel	216
2.	Resident Hostel	190
3.	UG Boys Hostel	250
4.	UG Girls Hostel	125
5.	Nurses Hostel	200
6.	Dinning Block	1000 Person

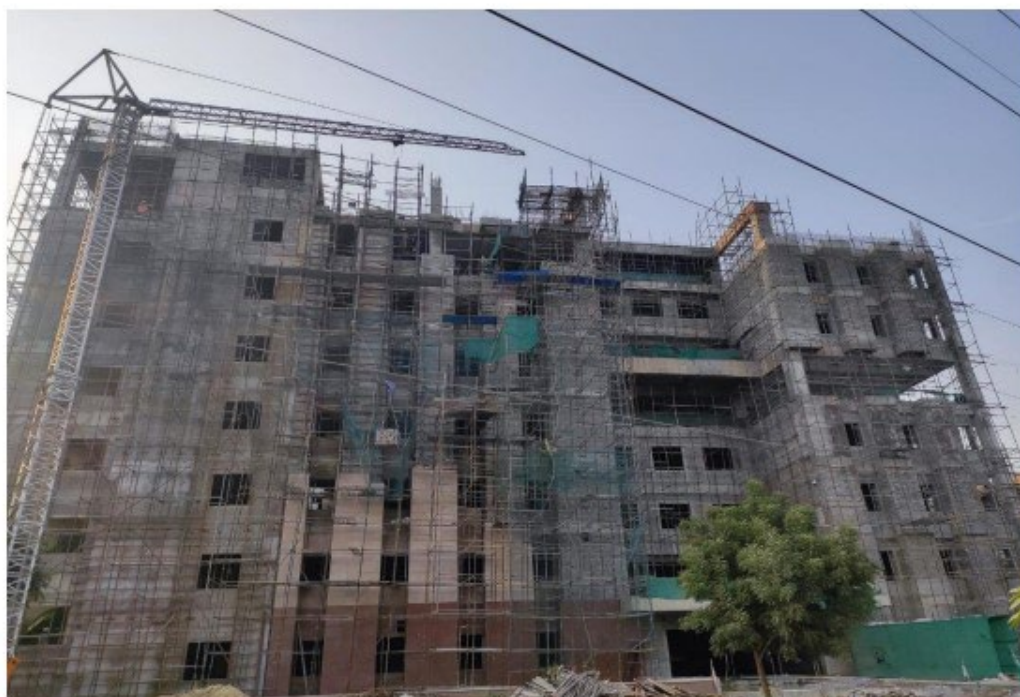
**Data of works done by CPWD for inclusion**  
**in the Annual Report of AIIMS Jodhpur for FY 2023-24**

<b>Works Executed Through CPWD in FY 2023 (COMPLETED WORKS)</b>						
<b>S. No.</b>	<b>Name of Work</b>	<b>Sanctioned Cost (Rs. In Crore)</b>	<b>Stipulated Date of Commencement</b>	<b>Stipulated Date of Completion</b>	<b>Progress up to 31<sup>st</sup> March 2024</b>	<b>Remarks</b>
<b>EE &amp; SM (C)-II</b>						
1	Construction of Student Activity Centre at AIIMS Jodhpur.	25.03	27.03.2020	26.06.2021	100%	100% work completed on dated 01.05.2023
<b>EE &amp; SM (C)-IV</b>						
1	Providing and laying Granite Flooring emergency to blood bank and central laboratory to PMR Corridor at AIIMS Jodhpur	1.48	29.04.2023	28.07.2023	100%	100% work completed on dated 25.09.2023
2	Providing and fixing Furniture in model Early Intervention Centre at AIIMS Jodhpur.	0.58	29.05.2023	28.08.2023	100%	100% work completed on dated 01.11.2023
3	Construction of New 88 Nos. Type-V quarters including Internal, External Service Development & Service Block at AIIMS Jodhpur	98.93	20.01.2020	19.07.2021	100%	100% work completed on dated 16.06.2023
4	Expansion of Phlebotomy room at AIIMS Jodhpur	1.60	28.12.2022	27.03.2023	100%	100% work completed on dated 21.06.2023
5	C/o Outdoor Sensory garden for model early intervention Centre (MEIC) at AIIMS Jodhpur	0.45	03.02.2023	02.04.2023	100%	100% work completed on dated 21.06.2023
6	Providing and fixing portable structure in connecting corridor terrace (S/F) for Early Intervention centre at AIIMS Jodhpur	2.13	26.08.2022	25.11.2022	100%	100% work completed on dated 22.06.2023

Works Being Executed Through CPWD in FY 2023-24 (WORKS IN PROGRESS)						
S.No.	Name of Work	Sanctioned Cost (Rs. In Crore)	Date of Commencement	Target Date of Completion	Progress up To 31 <sup>st</sup> March 2024	Remarks
EE & SM (C)-II						
1.	Construction of 150 Bedded Critical Care Hospital Block and 200 Bedded Trauma and Emergency Centre (G+6 Storeyed Building with Single Basement) at AIIMS Jodhpur	307.00	04.02.2023	31.08.2025	33%	Work in progress. Work hindered due to HT Line.
2	Providing and fixing portable structure on right and left side terrace and renovation of first floor of existing workshop building for skill lab at AIIMS Jodhpur.	7.68	09.02.2023	31.08.2024	71%	Work in progress
3	C/o Oncology Block (G+3) with two linear accelerator rooms at AIIMS Jodhpur	14.82	02.03.2023	15.10.2024	62%	Work in progress
4	Vertical Extension of Radiology Building	7.44	02.01.2023	Molecular Lab & Pathology Lab :- 15.09.2024. For High Dose	54%	

	(Molecular, Pathology Lab & High Dose Therapy ward at AIIMS Jodhpur			Therapy ward :- 15.10.2024		
5	Expansion of Existing gas plant room near ESS-I at AIIMS Jodhpur	1.78	22.02.2024	21.01.2025	3%	Work in progress. Delay due to existing gas pipe line & water supply line.
6.	Providing and laying Synthetic Court facilities in the court arena in the Sports Complex at AIIMS Jodhpur.	1.28	19.11.2022	Tennis court & Volleyball court Target:- 31.08.2024 Basketball court Target :- 15.09.2024	62%	Work in progress
7	C/o Cycle Parking Stand near Student Activity centre at AIIMS Jodhpur.	0.09	17.10.2023	16.05.2024	52%	100% work completed on dated 16.05.2024
<b>EE &amp; SM (C)-IV</b>						
1	Construction of Administrative Building at AIIMS Jodhpur.	98.91	07.12.2021	31.10.2024	74%	Work in progress





1.Trauma and CCU Block.jpg



2. Creation of Temporary Chambers in Hematopathology and Histopathology at First Floor D&T OT Building at AIIMS Jodhpur..jpg





3. Construction of Administrative Building at AIIMS Jodhpur (Raj.) G+6 Storeyed Building with Single Basement..jpg



4.Independence Day Lighting at AIIMS Jodhpur.jpg



5. Providing & fixing toughened frosted glass wall partition with steel frame between all beds in AICU, D&T-OT third floor at AIIMS, Jodhpur.jpg



7. Skill and innovation lab.jpg





6.Frames.jpg



8.Construction of creating facility change room and nurses lounge at fifth floor in D&T OT block at AIIMS Jodhpur,.jpg



9.Creation of Temporary Cubicles in Psychiatry at First Floor OPD Building at AIIMS Jodhpur.jpeg



# ACCOUNTS





## भारतीय लेखापरीक्षा और लेखा विभाग

कार्यालय महा निदेशक लेखापरीक्षा (केन्द्रीय), अहमदाबाद  
शाखा कार्यालय राजस्थान, जनपथ, जयपुर-302005

### INDIAN AUDIT AND ACCOUNTS DEPARTMENT

Office of the Director General of Audit (Central), Ahmedabad  
Branch Office Rajasthan, Janpath, Jaipur-302005

क्रमांक: सी.आर.ए.॥(व्यय)/एस.ए.आर./अ.भा.आ.सं/23-24/

दिनांक:

सेवामें,  
सचिव,  
स्वास्थ्य एवं परिवार कल्याण मंत्रालय,  
निर्माण भवन,  
नई दिल्ली-110001

**विषय: अखिल भारतीय आयुर्विज्ञान संस्थान, जोधपुर के वर्ष 2023-24 के लेखाओं पर पृथक लेखापरीक्षा प्रतिवेदन।**

महोदया,

इस पत्र के साथ वर्ष 2023-24 के लिए अखिल भारतीय आयुर्विज्ञान संस्थान, जोधपुर के लेखों पर पृथक लेखापरीक्षा प्रतिवेदन संलग्न है।

2- लेखापरीक्षित लेखे और पृथक लेखापरीक्षा प्रतिवेदन को, इससे पहले कि इन्हें मंत्रालय द्वारा संसद के समक्ष रखे जाने के लिए भेजा जाये, विचार और अंगीकरण और उस पर पारित संकल्प के लिए, संस्थान के शीर्ष शाषी निकाय की वार्षिक आम बैठक के समक्ष प्रस्तुत किया जाना आवश्यक है।

3. संसद के समक्ष लेखापरीक्षित लेखा और पृथक लेखापरीक्षा प्रतिवेदन प्रस्तुत करने की तारीखों के बारे में कृपया सूचित करें। मुद्रित दस्तावेजों के पांच सेट (लेखापरीक्षा प्रतिवेदन, वार्षिक प्रतिवेदन एवं लेखापरीक्षित लेखे) भी कृपया इस कार्यालय को भेजें।

4- कृपया दस्तावेजों की प्राप्ति की सूचना दें।

संलग्न: उपरोक्तानुसार।

भवदीय,

-ह.-

निदेशक/सी.आर.ए.-॥

Mahalekhakar Bhawan, Janpath, Jaipur-302005  
PBAX: 0141-2385430-39

महालेखाकार भवन, जनपथ, जयपुर-302005  
ई-मेल / E-mail : brpdacahmedabad@cag.gov.in

क्रमांक:सी.आर.ए.॥(व्यय)/एस.ए.आर./अ.भा.आ.सं /23-24/

दिनांक:

पृथक लेखापरीक्षा प्रतिवेदन और लेखापरीक्षित लेखों की प्रति निदेशक, अखिल भारतीय आयुर्विज्ञान संस्थान, बासनी फेज-॥, जोधपुर-342015 को इस टिप्पणी के साथ अद्योषित की जाती है कि लेखापरीक्षित लेखे एवं पृथक लेखापरीक्षा प्रतिवेदन संस्थान की शीर्ष शाषी निकाय की वार्षिक आम बैठक में अंगीकृत/विचार किये जाना सुनिश्चित करें एवं लेखापरीक्षित लेखों पर अंगीकृत/विचारित संकल्प तथा उस पर प्रतिवेदन इस कार्यालय को प्रस्तुत किया जावे। यह भी लेख है कि संस्थान यदि आवश्यकता अनुभव करे, तो इस प्रतिवेदन का हिन्दी अनुवाद अपने स्तर पर करवा सकता है परन्तु इस प्रतिवेदन के हिन्दी अनुवाद में निम्नलिखित अंकित होना चाहिए:

“प्रस्तुत प्रतिवेदन मूल रूप से अंग्रेजी में लिखित लेखापरीक्षा प्रतिवेदन का हिन्दी अनुवाद है। यदि इसमें कोई विसंगति परिलक्षित होती है तो अंग्रेजी में लिखित प्रतिवेदन मान्य होगा” ।

कमियाँ, जिन्हें ऑडिट रिपोर्ट में शामिल नहीं किया गया है, उन्हें उपचारात्मक/सुधारात्मक कार्रवाई के लिए अलग से जारी एक प्रबंधन पत्र के माध्यम से प्रबंधन के ध्यान में लाया गया है ।

हिंदी अनुवाद की एक प्रति इस कार्यालय को भी प्रेषित करें।

संलग्न: उपरोक्तानुसार।

निदेशक/सी.आर.ए.-॥

**Separate Audit Report of the Comptroller and Auditor General of India on the accounts of All India Institute of Medical Sciences, Jodhpur for the year ended on 31 March 2024**

We have audited the attached Balance Sheet of All India Institute of Medical Sciences (AIIMS), Jodhpur as at 31 March 2024, the Income and Expenditure Account and the Receipts and Payments Account for year ended on that date under Section 19(2) of the Comptroller & Auditor General's (Duties, Powers & Conditions of Service) Act, 1971 read with Section 18(2) of AIIMS Act, 1956 and the AIIMS (Amendment) Act, 2012. These financial statements are the responsibility of AIIMS's management. Our responsibility is to express an opinion on these financial statements based on our audit.

2. This Separate Audit Report contains the comments of the Comptroller & Auditor General of India (C&AG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards, disclosure norms, etc. Audit observations on financial transactions with regard to compliance with the Law, Rules & Regulations (Propriety and Regularity) and efficiency-cum-performance aspects, etc., if any, are reported through Inspection Reports/C&AG's Audit Reports separately.

3. We have conducted our audit in accordance with the auditing standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An audit includes examining, on a test basis, evidence supporting the amounts and disclosure in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.

4. Based on our audit, we report that:

- i. We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit.
- ii. The Balance Sheet, Income & Expenditure Account and Receipts & Payments Account dealt with by this report have been drawn up in the format approved by Ministry of Finance, Government of India.
- iii. In our opinion, proper books of accounts and other relevant records have been maintained by the AIIMS, Jodhpur, as required, in so far as it appears from our examination of such books.
- iv. We further report that:



## Comments on Accounts

### A Balance Sheet

#### A.1 Liabilities

##### A.1.1 Current Liabilities and Provisions (Schedule-7): ₹ 101.78 crore

**A.1.1.1** The above does not include ₹ 2.08 crore payable for Operation and Maintenance charges (₹0.59 crore) for 33 KV & 11 KV Substation for the period February and March 2024 and for Electricity Expenses (₹ 1.49 crore) for the month of March 2024 due to non-making of provision for these expenses.

This resulted understatement of Current Liabilities and Provisions by ₹ 2.08 crore and overstatement of Surplus/Corpus Fund by the same amount.

**A.1.1.2** The above does not include ₹ 12.27 crore related to various expenses pertaining to the year 2023-24, paid during the year 2024-25. Provision for these expenses was to be made in the accounts for the year 2023-24 instead.

This resulted understatement of Current Liabilities and Provisions by ₹ 12.27 crore and overstatement of Surplus/Corpus Fund by the same amount.

### B. General

**B.1** The construction of the new boys' and girls' hostels for students and the Type V quarters was completed on 21.11.2022 and 16.06.2023, respectively. However, these projects are still shown as work in progress and have not yet been capitalized. According to the monthly progress report (status as of March 2024), the estimated completion cost for these works was ₹ 203.35 crore (₹ 73.68 crore for the construction of the new boys' and girls' hostels for students and ₹ 129.67 crore for the Type V quarters). The Institute is required to capitalize these buildings with the actual cost of construction and charge depreciation as per the approved format and accounting standards.

**B.2** The Institute has not made provision for Retirement Benefits on Actuarial Valuation Basis as per provisions of AS – 15. This was pointed out in previous SARs also, however, compliance is not yet made by the Institute.

### C. Grants-in-aid

The Institute received Grant-in-aid of ₹ 931.00 crore from the Ministry of Health and Family Welfare during the year. An unspent grant of ₹ 240.70 crore was available at the beginning of the year. Out of the total available grant-in-aid of ₹ 1171.70 crore, the Institute utilized ₹ 937.95 crore and ₹ 21.02 crore was returned, leaving a balance of ₹ 212.73 crore at the end of the year.

**D. Net Effect of Audit Comments**

The net impact of the comments given in the preceding paragraphs is that as on 31 March 2024, Liabilities were understated by ₹14.35 crore and surplus was overstated by ₹14.35 crore.

**E. Management Letter**

Deficiencies, which have not been included in the SAR, have been brought to the notice of the Management through a management letter issued separately for remedial/corrective action.

- v. Subject to our observations in the preceding paragraphs, we report that the Balance Sheet, Income & Expenditure Account and Receipts & Payments Account dealt with by this report agree with the books of accounts.
- vi. In our opinion and to the best of our information and according to the explanations given to us, the said Financial Statements read together with the Accounting Policies and Notes on Accounts, and subject to the significant matters, stated above and other matters mentioned in Annexure to this SAR give a true and fair view in conformity with accounting principles generally accepted in India.
  - a. In so far as it relates to the Balance Sheet, of the state of affairs of the All India Institute of Medical Sciences, Jodhpur as at 31 March 2024, and
  - b. In so far as it relates to Income & Expenditure Account of the Surplus for the year ended on that date.

For and on behalf of the C&AG of India

Place: Ahmedabad

Date: 12-11-2024



Director General of Audit (Central), Ahmedabad

**Annexure**

**1. Adequacy of Internal Audit System**

Internal Audit was not conducted for the year 2023-24.

**2. Adequacy of Internal Control System**

The Institute does not have its own separate Accounting Manual. Rules and Regulation as prescribed by Government of India were being followed.

**3. Physical Verification of Fixed Assets**

Physical verification of Fixed Assets was conducted for the year 2023-24.

**4. Physical Verification of Inventories**

Physical verification of Inventories was conducted for the year 2023-24.

**5. Regularity in payment of Statutory dues**

Statutory dues were paid regularly.

*Dr. Khatri*  
12/11/2024  
Sr. Audit Officer/Exp.  
(CRA-II)





**ALL INDIA INSTITUTE OF MEDICAL SCIENCES,  
JODHPUR**

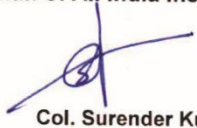
**Financial Statements for the Financial Year  
2023-24**

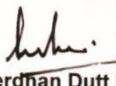


**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR****BALANCE SHEET AS AT 31st MARCH 2024**

S. No.	PARTICULARS	SCHEDULE	(Amount - Rs.)	
			Current Year	Previous Year
	<b><u>CORPUS / CAPITAL FUND AND LIABILITIES</u></b>			
a)	CORPUS / CAPITAL FUND	1	2,98,55,24,923	2,09,73,85,259
b)	RESERVES AND SURPLUS	2	8,00,000	8,00,000
c)	EARMARKED / ENDOWMENT FUNDS	3	10,39,88,64,567	9,26,39,19,549
d)	SECURED LOANS AND BORROWINGS	4	-	-
e)	UNSECURED LOANS AND BORROWINGS	5	-	-
f)	DEFERRED CREDIT LIABILITIES	6	-	-
g)	CURRENT LIABILITIES AND PROVISIONS	7	1,01,78,15,227	1,46,81,22,135
	<b>TOTAL</b>		<b>14,40,30,04,717</b>	<b>12,83,02,26,943</b>
	<b><u>ASSETS</u></b>			
a)	FIXED ASSETS	8	8,83,44,84,502	7,57,47,36,192
b)	INVESTMENTS	9	-	-
c)	INVESTMENTS - OTHERS	10	51,20,00,000	53,20,00,000
d)	CURRENT ASSETS, LOANS, ADVANCES ETC.	11	5,05,65,20,215	4,72,34,90,751
e)	MISCELLANEOUS EXPENDITURE (to the extent not written off for adjusted)		-	-
	<b>TOTAL</b>		<b>14,40,30,04,717</b>	<b>12,83,02,26,943</b>
	SIGNIFICANT ACCOUNTING POLICIES	24		
	CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS	25		

For and on behalf of All India Institute of Medical Sciences, Jodhpur

  
**Col. Surender Kumar**  
 Financial Advisor  
**कर्नल सुरेन्द्र कुमार, वी एस एम**  
**Col Surender Kumar, VSM**  
 वित्तीय सलाहकार  
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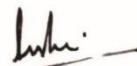
  
**Dr. Goverdhan Dutt Puri**  
 Executive Director  
 डॉ. गोवर्धन दत्त पुरी  
**Dr. Goverdhan Dutt Puri**  
 कार्यकारी निदेशक/Executive Director  
 एम्स, जोधपुर/AIIMS, JODHPUR



**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR****INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH 2024**

(Amount - Rs.)			
<b>INCOME</b>	<b>Schedule</b>	<b>Current Year</b>	<b>Previous Year</b>
Income from Sales / Services	12	97,39,97,455	85,10,11,804
Grants / Subsidies	13	7,58,07,95,334	6,78,36,81,545
Fees / Subscriptions	14	2,30,25,254	69,05,866
Income from Investments	15	-	-
Income from Royalty, Publication etc.	16	-	-
Interest Earned	17	13,28,39,898	10,56,62,667
Other Income	18	58,33,52,623	58,14,06,551
Increase / (decrease) in stock of Finished goods and works-in-progress	19	-	-
<b>TOTAL (A)</b>		<b>9,29,40,10,564</b>	<b>8,32,86,68,434</b>
<b>EXPENDITURE</b>			
Establishment Expenses	20	4,81,96,70,967	4,15,06,34,322
Other Administrative Expenses etc.	21	2,92,66,19,168	2,74,77,37,117
Expenditure on Grants, Subsidies etc.	22	-	-
Interest	23	-	-
Depreciation (Net Total at the year end - corresponding to Schedule 8)		53,99,31,671	56,11,76,084
<b>TOTAL (B)</b>		<b>8,28,62,21,806</b>	<b>7,45,95,47,523</b>
Transfer to Special Reserve (Specify each)		1,00,77,88,758	86,91,20,911
<b>BALANCE BEING SURPLUS/ (DEFICIT) CARRIED TO CORPUS / CAPITAL FUND</b>		<b>1,00,77,88,758</b>	<b>86,91,20,911</b>

For and on behalf of All India Institute of Medical Sciences, Jodhpur


Col. Surender Kumar  
Financial Advisor

Dr. Goverdhan Dutt Puri  
Executive Director

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Col Surender Kumar, VSM  
वित्तीय सलाहकार  
Financial Advisor  
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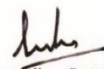
**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR****RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31st MARCH 2024**

RECEIPTS		Current Year	Previous Year	PAYMENTS		Current year	Previous year
I. Opening Balances				I. Expenses			
a) Cash in hand		12,641	12,024	a) Establishment Expenses (corresponding to Sch.20)		4,81,96,70,967	4,15,06,34,322
b) Bank Balances				b) Administrative Expenses (corresponding to Sch.21)		3,01,93,65,895	2,65,08,41,552
With Scheduled Bank Accounts :		68,78,06,608	39,35,32,952				
With Flexi Fixed Deposit Accounts :		2,27,65,10,025	2,05,61,88,685				
II. Grants in Aid Received				II. Investments and deposits made			
a) From Government of India				a) Fixed Deposit		-	-
For Capital		1,40,00,00,000	2,45,00,00,000	(Investments - others)			
For Salary		4,82,50,00,000	4,35,00,00,000				
For General		2,70,50,00,000	2,20,00,00,000				
For SAP		2,00,00,000	2,70,00,000				
For PM ABHIM		30,00,00,000	20,00,00,000				
For Rare Diseases		6,00,00,000	-				
III. Interest Received				III. Expenditure on Fixed Assets			
a) On Bank Deposits		12,35,35,368	10,18,84,293	a) Purchase of Fixed Assets		1,79,96,79,981	2,40,71,60,665
IV. Other Income (Specify)				IV. Advances			
a) Fees Collection		2,30,25,254	69,05,866	a) Sundry Debtors		48,42,143	46,29,18,672
b) Receipts from Hospital Section		97,36,08,984	85,06,22,112	b) Loans & Advances		37,07,329	(7,16,004)
c) Application Fees		91,33,687	25,65,003	c) Sundry Creditors		1,45,64,979	(1,28,01,824)
d) Licence Fees		47,25,099	27,39,666				
e) Misc Income		1,59,521	1,71,540				
f) Rent Income		19,08,509	28,43,413				
g) Guest House Income		(33,180)	2,24,695				
h) Sale of Scarp		3,88,471	3,89,692				
i) Employees Health Scheme		1,53,05,050	1,18,66,150				
j) Notice Pay Salary		32,95,462	-				
k) Overhead Income of Extramural Research		89,26,804	-				
V. Amount Borrowed/ Advance				V. Other Payments (Specify)			
a) Caution Money		48,500	50,100	a) Deposits		9,20,000	6,69,300
b) Patient Treatment		19,20,539	(1,52,93,302)	b) Interest earning remitted		37,52,29,298	-
c) Hostel Security		3,73,000	5,01,000	c) Grant in Aid : General		19,92,84,810	-
d) Duties & Taxes		25,554	(6,556)	d) Grant in Aid : Capital		1,04,09,026	-
				e) Grant in Aid : SAP		4,60,272	-
				f) Award money for Kaya Kalp		93,000	-
				g) Others		14,22,471	26,545
VI. Any other receipts				VI. Closing Balances			
a) Misc. Receipts		3,09,97,254	1,97,47,191	a) Cash in hand		3,649	12,641
b) Pension Benefit		-	30,98,792	b) Bank Balances			
c) CSR Fund		-	8,00,000	With Scheduled Bank Accounts :		54,87,65,417	68,78,06,608
d) Security & EMD of Tenders		2,06,96,088	(4,27,80,815)	With Flexi Fixed Deposit Accounts :		2,71,39,50,000	2,27,65,10,025
e) Fixed Deposit		2,00,00,000	-				
<b>TOTAL</b>		<b>13,51,23,69,238</b>	<b>12,69,46,61,002</b>	<b>TOTAL</b>		<b>13,51,23,69,238</b>	<b>12,69,46,61,002</b>

For and on behalf of All India Institute of Medical Sciences, Jodhpur


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Financial Advisor

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**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR****SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2024**

<b>SCHEDULE 1 - CORPUS / CAPITAL FUND :</b>			<b>(Amount - Rs.)</b>	
	<b>Current Year</b>	<b>Previous Year</b>		
Balance as at the beginning of the year	2,09,73,85,259	1,33,33,78,932		
Add: Contribution towards Corpus / Capital Fund	-	-		
Add / (Deduct): Balance transferred from Income and Expenditure Account	1,00,77,88,758	86,91,20,911		
Add: Adjustmenet of P.Y.	1,64,33,604	6,46,628		
Less: Adjustmenet of P.Y.	(32,42,800)	(26,545)		
Less : Interest income transfer to Consolidate fund of India	(13,28,39,898)	(10,56,62,667)		
Less:- TDS on Rent	-	(72,000)		
<b>BALANCE AS AT THE YEAR END</b>	<b>2,98,55,24,923</b>	<b>2,09,73,85,259</b>		

<b>SCHEDULE 2 - RESERVES AND SURPLUS</b>					<b>(Amount - Rs.)</b>	
	<b>Current Year</b>		<b>Previous Year</b>			
<b>a) Capital Reserve:</b>						
As per last Account	-	-	-	-		
Addition during the year	-	-	-	-		
Less : Deductions during the year	-	-	-	-		
<b>b). Revaluation Reserve:</b>						
As per last Account	-	-	-	-		
Addition during the year	-	-	-	-		
Less : Deductions during the year	-	-	-	-		
<b>c) Special Reserves : CSR Fund</b>						
As per last Account	8,00,000	-	-	-		
Addition during the year	-	8,00,000	8,00,000	-		
Less : Deductions during the year	-	-	-	-		
<b>d) General Reserve :</b>						
As per last Account	-	-	-	-		
Addition during the year	-	-	-	-		
Less : Deductions during the year	-	-	-	-		
<b>TOTAL</b>		<b>8,00,000</b>		<b>8,00,000</b>		

For and on behalf of All India Institute of Medical Sciences, Jodhpur


Col. Surender Kumar  
Financial Advisor

Dr. Goverdhan Dutt Puri  
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एम्स, जोधपुर/AHMS, JODHPUR



**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR****SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2024**

	FUND-WISE BREAK UP										(Amount - Rs.)	
	Deferred Income for Capital Assets					Grant Received for Capital Assets					TOTAL	
	Current Year	Previous Year	Current Year	Previous Year	Grant under SAP	Current Year	Previous Year	Current Year	Previous Year	PM-ABHM	Current Year	Previous Year
<b>SCHEDULE 3: EARMARKED / ENDOWMENT FUNDS</b>												
a) Opening balance of the funds	7,57,09,30,806	5,72,73,92,325	1,23,24,36,542	1,03,51,72,052	2,20,71,264	1,77,63,641	2,20,71,264	42,81,75,285	36,00,00,000		9,24,93,06,274	7,14,46,35,641
b) Additions to the Funds:												
i) Donations / grants	-	-	1,40,00,00,000	2,45,00,00,000	2,70,00,000	2,00,00,000	-	30,00,00,000	20,00,00,000		1,72,00,00,000	2,67,70,00,000
ii) Income from investments made on account of funds	-	-	-	-	-	-	-	-	-		-	-
iii) Other additions	-	-	-	-	-	-	-	-	-		-	-
• Capital Assets creation from Grants	1,79,86,95,712	2,40,47,14,565	-	-	-	-	-	-	-		1,79,86,95,712	2,40,47,14,565
iv) Fund Received	-	-	-	-	-	-	-	-	-		-	-
<b>TOTAL (a + b)</b>	<b>9,36,96,26,518</b>	<b>8,13,21,06,890</b>	<b>2,63,24,36,542</b>	<b>3,48,51,72,052</b>	<b>4,90,71,264</b>	<b>3,77,63,641</b>	<b>4,90,71,264</b>	<b>72,81,75,285</b>	<b>56,00,00,000</b>		<b>12,76,80,01,986</b>	<b>12,22,63,50,206</b>
c) Utilisation / Expenditure towards objectives of funds												
i) Capital Expenditure												
• Fixed Assets	-	-	1,43,73,85,671	2,25,27,35,510	2,01,54,340	85,82,930	2,01,54,340	35,27,27,111	13,18,24,715		1,79,86,95,712	2,40,47,14,565
• Others	-	-	-	-	-	-	-	-	-		-	-
<b>Total</b>	<b>-</b>	<b>-</b>	<b>1,43,73,85,671</b>	<b>2,25,27,35,510</b>	<b>2,01,54,340</b>	<b>85,82,930</b>	<b>2,01,54,340</b>	<b>35,27,27,111</b>	<b>13,18,24,715</b>		<b>1,79,86,95,712</b>	<b>2,40,47,14,565</b>
ii) Revenue Expenditure												
• Salaries, Wages and allowances etc.	-	-	-	-	-	-	-	-	-		-	-
• Rent & Others	-	-	-	-	-	1,96,40,738	1,11,53,283	-	-		1,96,40,738	1,11,53,283
• Other For Depreciation adjustment	53,99,31,671	56,11,76,084	-	-	-	-	-	-	-		53,99,31,671	56,11,76,084
<b>Total</b>	<b>53,99,31,671</b>	<b>56,11,76,084</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,96,40,738</b>	<b>1,11,53,283</b>	<b>-</b>	<b>-</b>		<b>53,99,31,671</b>	<b>56,11,76,084</b>
iii) Payment of unspent Grant	-	-	1,04,09,026	-	-	4,60,272	-	-	-		1,08,69,298	-
<b>TOTAL (c)</b>	<b>53,99,31,671</b>	<b>56,11,76,084</b>	<b>1,44,77,94,697</b>	<b>2,25,27,35,510</b>	<b>3,13,07,623</b>	<b>2,86,83,940</b>	<b>3,13,07,623</b>	<b>35,27,27,111</b>	<b>13,18,24,715</b>		<b>2,36,91,37,419</b>	<b>2,97,70,43,932</b>
<b>NET BALANCE AS AT THE YEAR END (a + b - c)</b>	<b>8,82,96,94,847</b>	<b>7,57,09,30,806</b>	<b>1,18,46,41,845</b>	<b>1,23,24,36,542</b>	<b>1,77,63,641</b>	<b>90,79,701</b>	<b>1,77,63,641</b>	<b>37,54,48,174</b>	<b>42,81,75,285</b>		<b>10,39,88,64,567</b>	<b>9,24,93,06,274</b>

For and on behalf of All India Institute of Medical Sciences, Jodhpur



Col. Surender Kumar  
Financial Advisor

कर्मल सुरेन्द्र कुमार, वी एस एम  
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Executive Director  
डॉ. गवर्धन दुत पुरी

Dr. Goverdhan Dutt Puri  
कर्मचारी निदेशक/Executive Director  
एच. जोगिपुल्लाम्, 18DHPUR

अखिल भारतीय आयुर्विज्ञान संस्थान, जोधपुर,  
All India Institute of Medical Sciences,  
Jodhpur (Rajasthan) 342005

## ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR

### SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2024

(Amount - Rs.)

<b>SCHEDULE 4 - SECURED LOANS AND BORROWINGS :</b>		<b>Current Year</b>		<b>Previous Year</b>	
a)	Central Government	-	-	-	-
b)	State Government (Specify)	-	-	-	-
c)	Financial Institutions	-	-	-	-
i)	Term Loans	-	-	-	-
ii)	Interest accrued and due	-	-	-	-
d)	Banks:				
i)	Term Loans	-	-	-	-
	Interest accrued and due	-	-	-	-
ii)	Other Loans (specify)	-	-	-	-
	Interest accrued and due	-	-	-	-
e)	Other Institutions and Agencies	-	-	-	-
f)	Debentures and Bonds	-	-	-	-
g)	Others (specify)	-	-	-	-
<b>TOTAL</b>		-	-	-	-

(Amount - Rs.)

<b>SCHEDULE 5 - UNSECURED LOANS AND BORROWINGS</b>		<b>Current Year</b>	<b>Previous Year</b>
a)	Central Government	-	-
b)	State Government (specify)	-	-
c)	Financial Institutions	-	-
d)	Banks:		
i)	Term Loans	-	-
ii)	Other loans (specify)	-	-
e)	Other Institutions and Agencies	-	-
f)	Debentures and Bonds	-	-
h)	Others (specify)	-	-
<b>TOTAL</b>		-	-

(Amount - Rs.)

<b>SCHEDULE 6 - DEFERRED CREDIT LIABILITIES</b>		<b>Current Year</b>	<b>Previous Year</b>
a)	Acceptances secured by hypothecation of capital equipment and other assets	-	-
b)	Others	-	-
<b>TOTAL</b>		-	-

For and on behalf of All India Institute of Medical Sciences, Jodhpur


**Col. Surender Kumar**  
Financial Advisor

**कर्नल सुरेन्द्र कुमार, वी एस एम**  
**Col Surender Kumar, VSM**  
 वित्तीय सलाहकार  
**Financial Advisor**  
 अखिल भारतीय आयुर्विज्ञान संस्थान, जोधपुर,  
 All India Institute of Medical Sciences,  
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**Dr. Goverdhan Dutt Puri**  
Executive Director

**डॉ. गोवर्धन दत्त पुरी**  
**Dr. Goverdhan Dutt Puri**  
 कार्यकारी निदेशक/Executive Director  
 एम्स, जोधपुर/AIIMS, JODHPUR



**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR**

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2024

SCHEDULE - 7 CURRENT LIABILITIES AND PROVISIONS		(Amount - Rs.)		
A. CURRENT LIABILITIES		Current Year		Previous Year
a) Acceptances	-	-	-	-
b) Sundry Creditors	-	-	-	-
c) Advances Received	-	-	-	-
d) Interest Accrued but not due on:				
i) Secured Loans/Borrowings	-	-	-	-
ii) Unsecured Loans/Borrowings	-	-	-	-
e) Statutory liabilities:				
i) NPS Payable	20,14,359		19,91,925	
ii) State Insurance	22,071		18,951	
iii) Pension Scheme	1,15,99,963	1,36,36,393	1,15,99,963	1,36,10,839
f) Other Current Liabilities				
i) EMD Deposits of Various Tenders	8,42,77,025		6,35,80,937	
ii) Unspent Grant in Aid payable				
1) Central Government				
a) AllMS Jodhpur				
Under Salary Head	29,37,61,499		28,84,32,466	
Under General Head	21,35,16,186		44,01,94,985	
b) RARE DISEASES	5,09,10,360		-	
2) State Government				
a) Under NHM	1,74,64,380		1,74,64,380	
iii) Hostel Security ( Refundable )	33,22,000		29,49,000	
iv) Caution Money (Refundable)	3,90,500		3,42,000	
v) Amount due of Contractors	1,64,23,035		70,51,325	
vi) Receipts for Patients Treatment from CMO/PMO/Others	1,35,74,937		1,16,54,398	
vii) Interest earning remitted to Consolidate fund of India	17,53,01,812		41,76,91,212	
viii) Misc. Receipts	7,91,58,420		4,81,61,166	
ix) Others	1,67,42,423	96,48,42,577	1,21,55,866	1,30,96,77,736
TOTAL (A)		97,84,78,970		1,32,32,88,575
B. PROVISIONS				
a) For Taxation		-		-
b) Others				
i) Conveyance Allowance	18,73,313		-	
ii) Ayushman Bharat	2,35,32,654		1,10,67,887	
iii) Ayushman Mitra	8,20,064		-	
iv) Dietary Services	-		39,89,907	
v) Electricity Expenses	-		1,46,93,699	
vi) Hospital Support Services	-		1,86,60,760	
vii) Housekeeping & cleaning	-		2,38,19,412	
viii) Learning Resource Allowance	84,36,907		20,72,258	
ix) Manpower Services	-		2,77,40,133	
x) Medical Reimbursement	3,97,415		-	
xi) Repair & Maintenance	-		1,17,51,670	
xii) Security Services	-		1,96,37,627	
xiii) Stipend Exp.	34,99,440		46,02,500	
xiv) Telephone Expenses	2,80,895		5,52,857	
xv) Transport Expenses	-		23,06,688	
xvi) Others	-		34,42,593	
xvii) Provision for Furniture	4,95,570	3,93,36,258	4,95,570	14,48,33,561
TOTAL (B)		3,93,36,258		14,48,33,561
TOTAL (A + B)		1,01,78,15,228		1,46,81,22,136

For and on behalf of All India Institute of Medical Sciences, Jodhpur



Col. Surender Kumar  
Financial Advisor

कर्नल सुरेन्द्र कुमार, वी एस एम  
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Dr. Goverdhan Dutt Puri  
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एन्स, जोधपुर/AIIMS, JODHPUR



**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR**  
**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2024**

SCHEDULE 8 - FIXED ASSETS																
DESCRIPTION	Depreciation Rate	GROSS BLOCK					DEPRECIATION					NET BLOCK				
		As at valuation beginning of the year	Additions during the year (Before 30th Sep)	Additions during the year (After 30th Sep)	Deductions during the year	Cost / valuation at the year-end	As at the beginning of the year	On Additions during the year (before 30th sep)	On Additions during the year (after 30th sep)	On Deductions during the year	On Cost / valuation as at the beginning of the year	Total up to the year-end	As at the current year-end	As at the previous year-end		
FIXED ASSETS		1	2	3	4(2+3)	5	6(1+4-5)	7	8	9	10(8+9)	11	12	13(7+10+12+11)	15	
BUILDINGS	10.00%	14,12,83,323	-	17,73,33,677	17,73,33,677	-	31,86,17,000	4,00,54,394		88,66,683	88,66,683	-	1,01,22,894	5,90,43,971	25,95,73,029	10,12,28,929
COMPUTER / PERIPHERALS	40.00%	30,22,56,143	2,14,28,060	54,539	2,14,82,599	-	32,37,40,742	23,87,37,929	85,71,224	10,908	85,82,132	-	2,54,26,672	27,27,46,933	5,09,93,809	6,35,20,214
FURNITURE FIXTURES	10.00%	37,25,21,819	47,10,887	2,24,75,037	2,71,85,924	-	39,97,07,743	16,95,98,927	4,71,089	11,23,756	15,94,845	-	2,03,09,509	19,15,03,281	20,82,84,482	20,29,22,882
LIBRARY BOOKS	40.00%	21,07,06,453	3,92,84,214	60,25,303	4,52,89,516	-	25,59,95,969	15,48,20,350	1,57,05,689	12,05,061	1,69,10,749	-	2,23,64,148	19,40,95,247	6,19,00,722	5,58,86,103
OFFICE EQUIPMENT	15.00%	9,13,87,916	53,20,723	32,09,006	85,29,729	-	9,98,97,645	5,12,81,785	14,21,941	2,40,675	16,62,616	-	60,26,306	5,89,72,707	4,09,24,938	4,00,86,131
PLANT MACHINERY & EQUIPMENT	15.00%	4,09,59,32,935	16,23,19,769	6,09,19,013	22,32,38,782	-	4,31,91,71,717	1,86,08,08,409	2,58,36,436	45,68,928	3,04,05,364	-	33,43,86,100	2,23,15,93,873	2,08,75,77,844	2,22,91,24,526
PLANT MACHINERY & EQUIPMENT	40.00%	20,66,20,917	-	-	-	-	20,66,20,917	16,41,53,750				-	1,69,89,522	18,11,43,272	2,54,77,645	4,24,67,167
SCIENTIFIC EQUIPMENTS	15.00%	24,12,22,247	2,10,47,539	3,47,66,430	5,58,13,969	-	29,70,36,216	8,62,77,863	34,01,694	26,07,483	60,09,177	-	2,29,49,644	11,72,36,084	17,97,99,532	15,29,44,384
LAND (Leasehold Land)	0.00%	5,070	-	-	-	-	5,070	-	-	-	-	-	-	-	5,070	5,070
VEHICLES	0.00%	1	-	-	-	-	1	-	-	-	-	-	-	1	1	1
ELECTRIC INSTALLATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER FIXED ASSETS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OF CURRENT YEAR		5,65,19,18,824	25,40,91,192	30,47,83,004	55,88,74,196	-	6,22,07,83,020	2,77,37,33,407	5,54,08,073	1,86,23,493	7,40,31,566	-	45,85,70,995	3,30,63,35,968	2,91,44,57,052	2,88,81,85,418
PREVIOUS YEAR		5,18,27,24,195	32,86,77,083	15,05,17,546	47,91,94,629	-	5,66,19,18,824	2,21,92,47,571	7,19,26,825	1,22,03,943	8,41,30,768	-	47,03,55,068	2,77,37,33,407	2,86,81,85,418	2,96,34,76,825
CAPITAL WORK-IN-PROGRESS		4,51,16,22,134	1,46,28,532	1,07,11,64,337	1,08,57,92,869	(20,72,81,394)	5,39,01,33,609	-	-	-	-	-	-	-	5,39,01,33,609	4,51,16,22,133
TOTAL		10,17,35,40,958	26,87,19,724	1,37,59,47,341	1,64,46,67,065	(20,72,81,394)	11,61,09,26,629	2,77,37,33,407	5,54,08,073	1,86,23,493	7,40,31,566	-	45,85,70,995	3,30,63,35,968	8,30,45,90,661	7,39,98,07,551

For and on behalf of All India Institute of Medical Sciences, Jodhpur



Col. Surender Kumar  
Financial Advisor

Dr. Govardhan Dutt Puri  
Executive Director

**कॉलन सुरेंद्र कुमार, वी एस एम**  
**Col Surender Kumar, VSM**  
 वित्तीय सलाहकार  
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 अखिल भारतीय आयुर्विज्ञान संस्थान, जोधपुर,  
 All India Institute of Medical Sciences,  
 Jodhpur (Rajasthan) 342005

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**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR**  
**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2024**  
**SCHEDULE 8 - FIXED ASSETS (Exp Under SAP)**

SCHEDULE 8 - FIXED ASSETS (Exp Under SAP)														
DESCRIPTION	GROSS BLOCK					DEPRECIATION					NET BLOCK			
	Depreciation Rate	Cost / valuation as at the beginning of the year	Additions during the year (Before 30th Sep)	Additions during the year	Deductions during the year	Cost / valuation at the year-end	As at the beginning of the year	On Additions during the year (Before 30th Sep)	On Additions during the year (After 30th Sep)	On Deduction during the year	On Cost / valuation as at the beginning of the year	Total up to the year-end	As at the current year-end	As at the previous year-end
FIXED ASSETS		5,80,44,322	-	85,82,930	85,82,930	-	6,68,27,252	1,73,32,374	-	4,29,147	4,29,147	61,54,055	2,39,15,576	4,27,11,676
TOTAL OF CURRENT YEAR		5,80,44,322	-	85,82,930	85,82,930	-	6,68,27,252	1,73,32,374	-	4,29,147	4,29,147	61,54,055	2,39,15,576	4,27,11,676
PREVIOUS YEAR		3,78,89,282	71,66,220.00	1,29,89,120	2,01,54,340	-	5,80,44,322	78,42,584	19,36,817	9,72,996	33,06,965	1,73,32,374	4,07,11,948	2,67,74,386
CAPITAL WORK-IN-PROGRESS		-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL		5,80,44,322	-	85,82,930	85,82,930	-	6,68,27,252	1,73,32,374	-	4,29,147	4,29,147	61,54,055	2,39,15,576	4,27,11,676

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR**  
**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2024**  
**SCHEDULE 8 - FIXED ASSETS (Ayushman Bharat)**

SCHEDULE 8 - FIXED ASSETS (Ayushman Bharat)													
DESCRIPTION	GROSS BLOCK				DEPRECIATION				NET BLOCK				
	Depreciation Rate	Cost / valuation as at the beginning of the year	Additions during the year (After 30th Sep)	Deductions during the year	Cost / valuation at the year-end	As at the beginning of the year	On Additions during the year (Before 30th Sep)	On Additions during the year (After 30th Sep)	On Deduction during the year	On Cost / valuation as at the beginning of the year	Total up to the year-end	As at the current year-end	As at the previous year-end
FIXED ASSETS		29,58,840	9,84,269	-	39,43,109	5,66,862	3,93,708	-	3,93,708	3,52,200	13,12,770	26,30,339	23,91,978
TOTAL OF CURRENT YEAR		29,58,840	9,84,269	-	39,43,109	5,66,862	3,93,708	-	3,93,708	3,52,200	13,12,770	26,30,339	23,91,978
PREVIOUS YEAR		5,12,740	24,46,100	-	29,58,840	93,392	3,22,670	-	3,22,670	1,50,800	5,66,862	23,91,978	4,19,348
CAPITAL WORK-IN-PROGRESS		-	-	-	-	-	-	-	-	-	-	-	-
TOTAL		29,58,840	9,84,269	-	39,43,109	5,66,862	3,93,708	-	3,93,708	3,52,200	13,12,770	26,30,339	23,91,978

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR**  
**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2024**  
**SCHEDULE 8 - FIXED ASSETS (PM ABIM)**

SCHEDULE 8 - FIXED ASSETS (PM ABIM)												
DESCRIPTION	Depreciation Rate	GROSS BLOCK				DEPRECIATION				NET BLOCK		
		Cost / valuation as at the beginning of the year	Additions during the year	Deductions during the year	Cost / valuation at this year-end	As at the beginning of the year	On Additions during the year	On Deductions during the year	On Cost / valuation as at the beginning of the year	Total up to the year-end	As at the current year-end	As at the previous year-end
FIXED ASSETS		-	-	-	-	-	-	-	-	-	-	-
TOTAL OF CURRENT YEAR		-	-	-	-	-	-	-	-	-	-	-
PREVIOUS YEAR		13,18,24,715	35,27,27,111	35,27,27,111	-	-	-	-	-	-	-	-
CAPITAL WORK-IN-PROGRESS		13,18,24,715	35,27,27,111	35,27,27,111	-	-	-	-	-	-	-	-
TOTAL		-	-	-	-	-	-	-	-	-	-	-

For and on behalf of All India Institute of Medical Sciences, Jodhpur



Col. Surender Kumar  
Financial Advisor

Dr. Goverdhan Dutt Puri  
Executive Director

**कॉल सुरेन्द्र कुमार, वी एस एम**  
**Col Surender Kumar, VSM**

**डॉ. गवर्धन दत्त पुरी**  
**Dr. Goverdhan Dutt Puri**

वित्तीय सलाहकार  
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अखिल भारतीय आयुर्विज्ञान संस्थान, जोधपुर, एम्स, जोधपुर/AllMS, JODHPUR

All India Institute of Medical Sciences,

Jodhpur (Rajasthan) 342005

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**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR**

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2024

(Amount - Rs.)		
SCHEDULE 9 - INVESTMENTS FROM EARMARKED/ENDOWMENT FUNDS	Current Year	Previous Year
a) In Government Securities	-	-
b) Other approved Securities	-	-
c) Shares	-	-
d) Debentures and Bonds	-	-
e) Subsidiaries and Joint Ventures	-	-
f) Others to be specified	-	-
<b>TOTAL</b>	-	-
(Amount - Rs.)		
SCHEDULE 10 - INVESTMENTS - OTHERS	Current Year	Previous Year
a) In Government Securities	-	-
b) Other approved Securities	-	-
c) Shares	-	-
d) Debentures and Bonds	-	-
e) Subsidiaries and Joint Ventures	-	-
f) Fixed Deposit Receipts with Bank of Baroda, Jodhpur	51,20,00,000	53,20,00,000
<b>TOTAL</b>	<b>51,20,00,000</b>	<b>53,20,00,000</b>
(Amount - Rs.)		
SCHEDULE 11 - CURRENT ASSETS, LOANS AND ADVANCES ETC.	Current Year	Previous Year
<b>A. CURRENT ASSETS</b>		
a) Inventories		
i) Stores	20,24,18,207	21,51,68,783
b) Sundry Debtors		
i) Debts outstanding for a period exceeding six months	-	-
ii) Others	-	-
c) Cash balances in hand	3,649	12,641
d) Bank Balances		
i) With Scheduled Bank Accounts :	54,87,65,417	68,78,06,608
ii) With Flexi Fixed Deposit Accounts :	2,71,39,50,000	2,27,65,10,025
e) Post Office Savings Accounts	-	-
<b>TOTAL (A)</b>	<b>3,46,51,37,273</b>	<b>3,17,94,98,057</b>
<b>B. LOANS, ADVANCES AND OTHER ASSETS</b>		
a) Loans :		
i) Staff (HBA)	1,12,92,546	75,85,217
ii) Other Entities engaged in activities/objectives similar to that of the Entity	-	-
b) Advances and other amounts recoverable in cash in kind or for value to be received :		
i) Security With BSNL	8,998	8,998
ii) AIIMS Delhi	5,000	5,000
iii) Security Deposit with JdVVNL	26,15,000	16,95,000
iv) Security Deposit for Gas Connection	20,400	20,400
v) On Capital Account(National Informatics Centre)	-	47,023
vi) Advance given to AIIMS, Patna for faculty recruitment	-	3,19,012
vii) Research cell	-	1,70,94,142
viii) CPWD	84,90,23,505	75,68,45,838
ix) HLL	45,71,23,227	43,90,64,187
x) AIIMS Rajkot	-	8,50,00,000
xi) Advances		
- Faculty	6,03,855	15,75,000
- Staff	7,03,563	1,80,000
- Contractor	5,06,68,331	2,12,38,468
xii) Registrar-General Delhi Hight Court	16,53,96,561	16,53,96,561
xiii) Others	21,55,512	54,55,934
c) Income Accrued :		
i) Accrued Interest Income	5,17,66,444	4,24,61,914
ii) Accrued Income	-	-
d) Claim Receivables :		
i) Prepaid Exp.	-	-
<b>TOTAL (B)</b>	<b>1,59,13,82,942</b>	<b>1,54,39,92,694</b>
<b>TOTAL (A + B)</b>	<b>5,05,65,20,215</b>	<b>4,72,34,90,751</b>

For and on behalf of All India Institute of Medical Sciences, Jodhpur



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Financial Advisor

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**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR**

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2024

(Amount - Rs.)		
<b>SCHEDULE 12 - INCOME FROM SALES / SERVICES</b>		
	Current Year	Previous Year
<b>1) AIIMS JODHPUR</b>		
a) Income from Sales		
i) Sale of Finished Goods	-	-
ii) Sale of Raw Material	-	-
iii) Sale of Scraps	3,88,471	3,89,692
b) Income from Services		
i) Labour and Processing Charges	-	-
ii) Professional / Consultancy charges	-	-
iii) Agency Commission and Brokerage	-	-
iv) Income from CGHS	12,19,516	-
v) Janaushadhi Receipts	9,99,134	-
vi) Lab testing fees	10,70,72,499	10,12,42,249
vii) Registration fees	14,36,240	37,87,700
viii) IPD Collection	17,38,29,354	18,50,33,720
ix) Blood Bank receipts	23,32,443	17,72,695
x) Consultancy fees	30,86,270	35,89,320
<b>2) AYUSHMAN BHARAT / CHIRANJEEVI</b>		
i) Ayushman Bharat Receipts	68,36,33,528	55,51,96,428
<b>TOTAL</b>	<b>97,39,97,455</b>	<b>85,10,11,804</b>

(Amount - Rs.)		
<b>SCHEDULE 13 - GRANTS / SUBSIDIES</b>		
(Irrevocable Grants & Subsidies Received)		
	Current Year	Previous Year
<b>1) Central Government</b>		
a) AIIMS JODHPUR		
i) Under General head	2,73,23,93,989	2,61,25,69,258
ii) Under Salary head	4,81,96,70,967	4,15,06,34,322
iii) Grant for SAP	1,96,40,738	1,11,53,283
iii) Rare Disease	90,89,640	-
<b>2) State Government</b>		
i) Under NHM	-	93,24,682
<b>TOTAL</b>	<b>7,58,07,95,334</b>	<b>6,78,36,81,545</b>

For and on behalf of All India Institute of Medical Sciences, Jodhpur



  
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**Col Surender Kumar, VSM**  
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**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR**

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2024

(Amount - Rs.)		
SCHEDULE 14 - FEES / SUBSCRIPTIONS	Current Year	Previous Year
a) Entrance and Mess Fees		
i) Examination Fees	8,03,200	6,28,000
ii) FEE FOR PARAMEDICAL COURSE	35,105	33,560
iii) Fees For Dm/M.Ch	1,450	1,650
iv) Fees For Executive Programme Of HPLM	5,50,000	-
v) Fees For Mph Course	26,25,001	25,35,001
vi) Fees For M.Sc. (Nursing)	39,765	48,280
vii) Fees For Observership	2,40,000	1,77,370
viii) Fees For PG	2,49,153	2,36,617
ix) Fees For PG Diploma In Genetic Counselling	2,10,000	-
x) Fees For Phd	3,00,000	1,60,000
xi) Fees For Post-Doctoral Fellowship	26,00,000	11,00,000
xii) Fees Receipts	-	506
xiii) I.D. CARD FEE	1,800	4,800
xiv) M.B.B.S. FEES	5,53,280	5,44,777
xv) Nursing Fees	2,06,500	2,00,305
xvi) Seat Withdrawal Fees	1,46,10,000	12,35,000
<b>TOTAL</b>	<b>2,30,25,254</b>	<b>69,05,866</b>

(Amount - Rs.)				
SCHEDULE 15 - INCOME FROM INVESTMENTS	Investment from Earmarked Fund		Investment- Others	
(Income on Investment from Earmarked / Endowment funds transferred to Funds)	Current Year	Previous Year	Current Year	Previous Year
a) Interest				
i) On Govt. Securities	-	-	-	-
ii) Other Bonds / Debentures	-	-	-	-
b) Dividends				
i) On Shares	-	-	-	-
ii) On Mutual Fund Securities	-	-	-	-
c) Rents	-	-	-	-
d) Others (Specify)	-	-	-	-
<b>TOTAL</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

(Amount - Rs.)		
SCHEDULE 16 - INCOME FROM ROYALTY, PUBLICATION ETC.	Current Year	Previous Year
a) Income from Royalty	-	-
b) Income from Publications	-	-
c) Others (specify)	-	-
<b>TOTAL</b>	<b>-</b>	<b>-</b>

For and on behalf of All India Institute of Medical Sciences, Jodhpur



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**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR****SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2024**

(Amount - Rs.)		
<b>SCHEDULE 17 - INTEREST EARNED</b>	Current Year	Previous Year
a) On Term Deposits		
i) With Scheduled Banks	13,28,39,898	10,56,62,667
ii) With Non Scheduled Banks	-	-
iii) With Institutions	-	-
iv) Others	-	-
b) On Saving Accounts		
i) With Scheduled Banks	-	-
ii) With Non Scheduled Banks	-	-
iii) With Institutions	-	-
iv) Others	-	-
c) On Loans		
i) Employee/Staff	-	-
ii) Others	-	-
d) Interest on Debtors and Other Receivables	-	-
<b>TOTAL</b>	<b>13,28,39,898</b>	<b>10,56,62,667</b>

(Amount - Rs.)		
<b>SCHEDULE 18 - OTHER INCOME</b>	Current Year	Previous Year
a) Miscellaneous Income		
i) Application Fees for Recruitment	91,33,687	25,65,003
ii) License Fees for Staff Quarters	47,25,099	27,39,666
iii) Deferred income for depreciable fixed assets	53,99,31,671	56,11,76,084
iv) Guest House Income	(33,180)	2,24,695
v) Rent Income	19,08,509	26,63,413
vi) Employees Health Scheme	1,53,05,050	1,18,66,150
vii) Misc Income	1,59,521	1,71,540
viii) Notice Pay Salary	32,95,462	-
ix) Overhead Income of Extramural Research	89,26,804	-
<b>TOTAL</b>	<b>58,33,52,623</b>	<b>58,14,06,551</b>

(Amount - Rs.)		
<b>SCHEDULE 19 - INCREASE / (DECREASE) IN STOCK OF FINISHED GOODS &amp; WORK IN PROGRESS</b>	Current Year	Previous Year
a) Closing Stock		
i) Finished Goods	-	-
ii) Work-in-progress	-	-
b) Less: Opening Stock		
i) Finished Goods	-	-
ii) Work-in-progress	-	-
<b>NET INCREASE / (DECREASE) [a - b]</b>	<b>-</b>	<b>-</b>

For and on behalf of All India Institute of Medical Sciences, Jodhpur



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## ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2024

SCHEDULE 20 - ESTABLISHMENT EXPENSES		Current Year	Previous Year
1) AIIMS JODHPUR			
a) Salaries and Wages		4,06,90,85,484	3,41,63,34,354
b) Allowances		11,13,51,392	13,57,88,054
c) Contribution to New Pension Scheme		29,67,80,900	25,71,05,002
d) Stipend		6,33,35,548	4,55,90,519
e) Man power services		24,77,12,343	27,22,30,570
f) Leave Travel Concession		1,64,12,390	78,73,733
g) Medical Reimbursement Claim		1,49,92,910	1,57,12,090
<b>TOTAL</b>		<b>4,81,96,70,967</b>	<b>4,15,06,34,322</b>

For and on behalf of All India Institute of Medical Sciences, Jodhpur



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**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR****SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2024**

(Amount - Rs.)

<b>SCHEDULE 21 - OTHER ADMINISTRATIVE EXPENSES ETC.</b>		<b>Current Year</b>		<b>Previous Year</b>	
<b>1) AIIMS JODHPUR</b>					
a) Advertisement Expenses	48,28,799		81,56,728		
b) Audit Fees	4,02,790		-		
c) Department Expenditure	3,07,93,883		2,81,08,403		
d) Dietary Services Expenses	4,41,78,001		4,51,20,665		
e) Electricity Expenses	2,57,76,940		4,36,36,132		
f) Electricity Expenses Of Aiims Hospital	17,62,79,533		14,15,68,593		
g) Expenses for PG Thesis	42,34,512		-		
h) Honorarium Expenses	22,16,360		25,51,700		
i) Hospital Expenditure	79,05,45,677		79,41,58,125		
j) Hospital Support Services Expenses	19,26,03,702		21,83,19,789		
k) Housekeeping And Cleaning Expenses	17,35,67,512		17,08,45,669		
l) Intramural Research Expenditure	39,01,470		-		
m) Laboratory Expenses	14,97,29,215		16,69,58,059		
n) Manpower Supply Expenses	6,22,02,132		7,33,99,798		
o) Medicines Expenses	36,42,88,354		33,09,20,558		
p) Office Expenditure	4,81,77,806		2,16,80,351		
q) Printing And Stationery	1,70,54,273		1,08,16,792		
r) Prior Period Expenses	8,10,18,100		2,80,61,086		
s) Recruitment Expenses	16,81,631		20,76,978		
t) Registration And Membership Fees	3,60,06,173		1,20,61,930		
u) Repair & Maintenance	21,16,02,177		20,62,02,480		
v) Security Services Expenses	21,27,33,341		21,06,17,975		
w) Transport Expenses	2,34,08,534		2,97,70,281		
x) Travelling Allowance	4,23,78,970		3,17,01,186		
y) Washing & Cleaning Expenses	3,10,69,214		3,39,37,637		
z) Water Expenses	17,14,890	2,73,23,93,989	18,98,344	2,61,25,69,259	
<b>2) Rare Disease</b>					
a) Rare Disease Expenses	90,89,640	90,89,640	-	-	
<b>3) AYUSHMAN BHARAT / CHIRANJEEVI</b>					
a) Exp. of Ayushman Bharat	15,52,35,234		10,70,24,283		
b) Exp. of Ayushman Mitra	1,00,26,481		74,68,958		
c) Exp. of Dep. Ayushman Bharat	2,33,086	16,54,94,801	1,96,652	11,46,89,893	
<b>4) NHM</b>					
a) NHM Expenses	-	-	93,24,682	93,24,682	
<b>5) SAP</b>					
a) SAP Expenses	1,96,40,738	1,96,40,738	1,11,53,283	1,11,53,283	
<b>TOTAL</b>		2,92,66,19,168		2,74,77,37,117	

For and on behalf of All India Institute of Medical Sciences, Jodhpur



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Page 16 of 19  
एम्स, जोधपुर/AIIMS, JODHPUR



**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR**

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2024

(Amount - Rs.)		
SCHEDULE 22 - EXPENDITURE ON GRANTS, SUBSIDIES ETC.	Current Year	Previous Year
a) Grants given to Institutions / Organisations	-	-
b) Subsidies given to Institutions / Organisations	-	-
<b>TOTAL</b>	-	-
<b>Note</b> : - Name of the Entities, their Activities along with the amount of Grants / Subsidies are to be disclosed		

(Amount - Rs.)		
SCHEDULE 23 - INTEREST	Current Year	Previous Year
a) On Fixed Loans	-	-
b) On Other Loans (including Bank Charges)	-	-
c) Others (specify)	-	-
<b>TOTAL</b>	-	-

For and on behalf of All India Institute of Medical Sciences, Jodhpur

  
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**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR**

SCHEDULES FORMING PART OF THE ACCOUNTS FOR THE YEAR ENDED 31st MARCH 2024

**SCHEDULE 24 - SIGNIFICANT ACCOUNTING POLICIES****1. ACCOUNTING CONVENTION**

1.1 The financial statements are prepared on the basis of historical cost convention, unless otherwise stated and on the accrual method of accounting.

**2. Inventory Valuation**

2.1 The Stores of the Institute are physically verified by the members of the Committees constituted by the Executive Director, AIIMS Jodhpur inclusive of Medicines, Consumables, Chemicals, Kits, Glassware and plastic items duly valued at cost.

2.2 The consolidated value of closing stock available at the central store of the Institute at the end of the Financial Year 2023-24 duly provided by Central Store, AIIMS Jodhpur

**3. GRANTS/SUBSIDIES**

3.1 Grant-in-aid is received from Ministry of Health and Family Welfare Govt. of India (PMSSY Scheme) Hospital II Section  
3.2 Grant/Subsidies includes Grant-in-aid (General head), Grant-in-aid (Salary head), Grant-in-aid (Creation of Capital Assets), Grant-in-aid under SAP & PM-ABHIM.  
3.3 Capital grant is transferred to earmarked funds to the extent fixed assets have been created.  
3.4 Grants from the Central Government are accounted for on realization basis for the Financial Year 2023-24.  
3.5 Unspent Grants have been transferred to Current Liabilities and shown as unspent grant payable to respective grantees at the end of Financial Year 2023-24.  
3.6 Grants for the Financial Year 2023-24 have been received in PFMS through Treasury Single Account (TSA) system.

**4. FIXED ASSETS**

4.1 Fixed Assets are stated at cost of acquisition inclusive of inward freight, duties, taxes and other incidental and direct expenses incurred in connection with the acquisition of assets. Fixed Assets are capitalised with the value of its acquisition cost.  
4.2 Assets created out of the earmarked funds, where the ownership of such assets vests with the Institute, are shown as Fixed Assets of the Institute.  
4.3 Equipments which were procured by HLL Lifecare Ltd. (PSA of MoHFW) and supplied to the Institute have been included in the books of the Institute in current Financial Year on the basis of Final Acceptance Certificate (FAC) Installation reports after making appropriate adjustments for depreciation for the previous years.  
4.4 Work executed through CPWD has been capitalized on the basis of Utilization Certificate received from CPWD. Works which are completed but Utilization Certificate is not received, have been considered as Work in Progress and shall be capitalized on the receipts of Utilization Certificate and final settlement from CPWD  
4.5 At the time of payment to CPWD, the amount is shown as advance, and after the closing of the F.Y., actual expenditure has been transferred to CPWD WIP as per Form 65 provided by CPWD.

**5. DEPRECIATION**

5.1 Depreciation is provided on written-down value method as per rates specified in the Income Tax Act, 1961.  
5.2 In respect of additions to / deductions from fixed assets during the year, depreciation is charged @100% of the rate prescribed if an asset is installed on or before 30th September and 50% of the prescribed rate if an asset is installed after 30th September.  
5.3 Assets costing Rs.5,000/- or less have been written off during the year.

**6. FOREIGN CURRENCY TRANSACTION**

6.1 Transaction denominated in foreign currency are accounted at the exchange rate prevailing at the date of transaction and booked in accounts as per actual amount debited from Bank.  
6.2 Detail of foreign currency transaction for Financial Year 2023-24 is as follows:  
(a) Payment of Import of Capital expenditure  
(b) Payment for E-Journals and other subscriptions  
(c) Remittances received for Extramural Research Projects

**7. REVENUE RECOGNITION**

7.1 Revenue includes fees collected from students, amount received from patients for registration, OPD ticket and testing charges and other miscellaneous receipts including rent on cash basis. Fee received from students is accounted for in the Financial Year in which it is received since the academic year of the Institute is not co-terminus with Financial Year of the Institute.  
7.2 Fund received under Ayushman Bharat Chiranjiv Yojana has been booked as per actual amount received in Institute Bank A/c.

8. All the Expenditure booked in books of accounts after getting approval from Competent Authority.

For and on behalf of All India Institute of Medical Sciences, Jodhpur



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All India Institute of Medical Sciences,  
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**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR****SCHEDULES FORMING PART OF THE ACCOUNTS FOR THE YEAR ENDED 31st MARCH 2024****SCHEDULE 25 - CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS**

1. **CONTINGENT LIABILITIES**
  - 1.1 The contingent liabilities has not been acknowledged as debt. The same shall be provided on actual basis, as and when arises.
2. **CURRENT ASSETS, LOANS AND ADVANCES**
  - 2.1 The current assets, loans and advances have a value on realisation in the ordinary course of business equal to the aggregate amount shown in the Balance Sheet.
  - 2.2 The deposits shown under current assets is inclusive of various Securities deposited by Institute to various agencies.
  - 2.3 An advance of Rs.45.71 crore has been given to HLL Lifecare Ltd. (PSA of MoHFW) for supplies of various medical equipments.
  - 2.4 Current assets are inclusive of House Building Advance (HBA) given to employees of the Institute are shown under loans and advances.
  - 2.5 Advances are given to vendor against Opening of Letter of Credit. Custom duty payment.
  - 2.6 "Income accrued" includes interest income accrued on Fixed Deposit Receipts made with Bank of Baroda, Jodhpur.
  - 2.7 A deposit of principal amount of Rs.16.54 crore against arbitral award has been made with the Registrar General of High Court, New Delhi in the matter of M/s Mathur & Kapre Associate Pvt Ltd Vs Union of India.
  - 2.8 Current assets are inclusive of an amount of Rs. 2,00,000/- given to ASHA Society as an advance from Ayushman Bharat/ Chiranjeev fund of the Institute for patient care of the Society.
3. **TAXATION**
  - 3.1 The Institute is exempt u/s 10(23C)(i)(ac) of the Income Tax Act, 1961. Therefore, no provision for taxation is required.
4. **FEES / SUBSCRIPTIONS**
  - 4.1 Fees include academic fees charged from students of MBBS, B.Sc Nursing, Fees for PG Course and Fees for DM course/ PDC/ less for M.Sc. Nursing and Other courses including seat withdrawal fee
5. **INTEREST EARNED**
  - 5.1 Interest earned includes gross interest earned on funds kept in the Current Premium Account and Fixed Deposits Receipt with Bank of Baroda, Bani, Jodhpur during the year. Since AIMS Jodhpur is exempt under income tax, there is no TDS deduction on interest earned.
  - 5.2 Interest income transfer to liability as per GFR 2017 rule 230 (8).
6. **OTHER INCOME**
  - 6.1 Other receipts include ATM rent received from various agencies and other miscellaneous income on per cash basis.
  - 6.2 "Deferred income for depreciable fixed assets" is the depreciation amount charged on fixed assets.
  - 6.3 It is inclusive of an amount of Rs. 3,88,471/- realised on the sale of scrap by the Institute.
  - 6.4 The amount of Notice period collected from the employees are shown in Notice pay.
7. **CURRENT LIABILITIES**
  - 7.1 Current liabilities include funds received from Chief Minister Office/Prime Minister Office for treatment of patients/Other Government offices and directly from Patients.
  - 7.2 No provisions for liability of Gratuity, pension benefits and leave encashment, etc have been made in the accounts as the grants from the Government of India are received for actual expenditure. The payment of Gratuity, pension benefits and leave encashment etc are accounted for in the books of accounts only at the time of actual payment. Further, as advised by the audit for maintenance of provision, the Institute is in correspondence with LIC for actuarial valuation.
  - 7.3 The Institute also provide gratuity and leave encashment benefits to the employees, which is paid from GIA (Salary) on cash basis.
  - 7.4 For the Current Financial Year, Grants have been received under the TSA System, under which unutilised grants shall automatically be reverted back on 31st March. Therefore, provisions are only made upto the Grant available.
  - 7.5 Amounts under Misc Receipts are various funds received for various Research Projects and other activities of the Institute and the same is transferred to concern bank account after getting approval from Executive Director, AIMS Jodhpur.
8. The value of building has not been accounted for in books of accounts of the Institute for which the payments has been made by MoHFW directly. However, as per MoHFW direction, part payment for construction of building has been made during the year by the Institute, which has been shown as Capital Work-in-Progress.
9. Figures have been rounded off to the nearest rupee and previous year's figures have been re-grouped and re-arranged wherever considered necessary to make them comparable with the current year's figure.
10. Schedules 1 to 25 are annexed to and form an integral part of the Balance Sheet and the Income and Expenditure Account for the year ended 31st March 2024.

For and on behalf of All India Institute of Medical Sciences, Jodhpur



कर्मल सुरेन्द्र कुमार खन्ना, एम.एस.एम.सी.  
Col Surender Kumar, VSM.  
वित्तीय सलाहकार  
Financial Advisor  
अखिल भारतीय आयुर्विज्ञान संस्थान, जोधपुर,  
All India Institute of Medical Sciences,  
Jodhpur (Rajasthan) 342005

Dr. Govardhan Dutt Puri  
Executive Director  
डॉ. गोवर्धन दत्त पुरी  
Dr. Govardhan Dutt Puri  
Executive Director  
आईएमएस/एआईएमएस, जोधपुर

Sr No.

Date: 03/07/2024

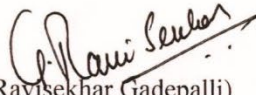
To,  
Financial Advisor,  
AIIMS, Jodhpur.

**Subject:** Submission of Annual Accounts of R'VRDL, AIIMS Jodhpur for the  
Financial Year 2023-24 – reg.

Sir,

This is in reference to the subject cited above, please find the attached Annual  
Accounts of R'VRDL, AIIMS Jodhpur for the Financial Year 2023-24.

Thanking you,

  
(Dr. Ravisekhar Gadepalli)  
Incharge R'VRDL  
AIIMS Jodhpur

Encl:-  
Annual Accounts for F.Y. 2023-24.

डॉ. रविशेखर गाडेपल्ली  
Dr. Ravisekhar Gadepalli  
अतिरिक्त आचार्य  
Additional Professor  
सूक्ष्म जल विज्ञान विभाग  
Department of Microbiology  
अखिल भारतीय आयुर्विज्ञान संस्थान, जोधपुर  
All India Institute of Medical Sciences, Jodhpur







**VIRAL RESEARCH AND DIAGNOSTIC LABORATORIES,  
ALL INDIA INSTITUTE OF MEDICAL SCIENCES,  
JODHPUR**

**Financial Statements for the Period  
2023-24**



**VIRAL RESEARCH AND DIAGNOSTIC LABORATORIES,**  
**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR**

**BALANCE SHEET AS ON 31st MARCH 2024**

(Amount - Rs.)				
S. No.	PARTICULARS	SCHEDULE	Current Year	Previous Year
	<b><u>CORPUS / CAPITAL FUND AND LIABILITIES</u></b>			
a)	CORPUS / CAPITAL FUND	1	48,686	51,47,825
b)	RESERVES AND SURPLUS	2	-	-
c)	EARMARKED / ENDOWMENT FUNDS	3	15,00,00,000	15,00,00,000
d)	SECURED LOANS AND BORROWINGS	4	-	-
e)	UNSECURED LOANS AND BORROWINGS	5	-	-
f)	DEFERRED CREDIT LIABILITIES	6	-	-
g)	CURRENT LIABILITIES AND PROVISIONS	7	86,88,999	86,48,460
	<b>TOTAL</b>		<b>15,87,37,685</b>	<b>16,37,96,285</b>
	<b><u>ASSETS</u></b>			
a)	FIXED ASSETS	8	13,29,74,906	13,08,65,311
b)	INVESTMENTS	9	-	-
c)	INVESTMENTS - OTHERS	10	-	-
d)	CURRENT ASSETS, LOANS, ADVANCES ETC.	11	2,57,62,779	3,29,30,974
e)	MISCELLANEOUS EXPENDITURE (to the extent not written off for adjusted)		-	-
	<b>TOTAL</b>		<b>15,87,37,685</b>	<b>16,37,96,285</b>
	SIGNIFICANT ACCOUNTING POLICIES	24		
	CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS	25		



**VIRAL RESEARCH AND DIAGNOSTIC LABORATORIES,**  
**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR**

**RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31st MARCH 2024**

		(Amount - Rs.)			
RECEIPTS	Current Year	Previous Year	PAYMENTS	Current year	Previous year
<b><u>I. Opening Balances</u></b>			<b><u>I. Expenses</u></b>		
a) Cash in hand	-	-	a) Establishment Expenses (corresponding to Sch.20)	38,47,128	54,37,147
b) Bank Balances	3,29,30,974	5,94,20,968	b) Administrative Expenses (corresponding to Sch.21)	62,67,669	25,07,192
<b><u>II. Grants in Aid Received</u></b>			<b><u>II. Investments and deposits made</u></b>		
a) From Government of India			Fixed Deposit	-	-
For Grant in AID	96,80,000	1,28,05,000	(Investments - others)		
For ICQL	-	-			
Fund for Rat Kits	-	-			
<b><u>III. Interest Received</u></b>			<b><u>III. Expenditure on Fixed Assets</u></b>		
a) On Bank Deposits	8,70,568	12,39,117	Purchase of Fixed Assets	21,09,595	3,35,73,979
<b><u>IV. Other Income (Specify)</u></b>			<b><u>IV. Advances</u></b>		
a) Notice Pay	60,000	-	a) Loans & Advances	-	-
<b><u>V. Amount Borrowed/ Advance</u></b>			b) Sundry Debtors	-	-
a) Security & EMD of Tenders	-	-	<b><u>V. Other Payments (Specify)</u></b>		
<b><u>VI. Any other receipts</u></b>			a) Sundry Creditors	4,44,329	(4,63,010)
a) Misc. Receipts	-	-	b) Payment of Interest to Govt.	51,32,422	-
b) Sundry Debtors	22,401	5,21,197	c) Payment of Fund for Rat Kits	21	-
<b><u>TOTAL</u></b>	<b>4,35,63,943</b>	<b>7,39,86,282</b>	<b><u>VI. Closing Balances</u></b>		
			a) Cash in hand	-	-
			b) Bank Balances	2,57,62,779	3,29,30,974
			<b><u>TOTAL</u></b>	<b>4,35,63,943</b>	<b>7,39,86,282</b>



**VIRAL RESEARCH AND DIAGNOSTIC LABORATORIES,**  
**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR**

**INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH 2024**

		(Amount - Rs.)	
<b>INCOME</b>			
	Schedule	Current Year	Previous Year
Income from Sales / Services	12	-	-
Grants / Subsidies	13	92,17,512	79,44,339
Fees / Subscriptions	14	-	-
Income from Investments	15	-	-
Income from Royalty, Publication etc.	16	-	-
Interest Earned	17	8,70,568	12,39,117
Other Income	18	60,000	-
Increase / (decrease) in stock of Finished goods and works-in-progress	19	-	-
<b>TOTAL (A)</b>		<b>1,01,48,080</b>	<b>91,83,456</b>
<b>EXPENDITURE</b>			
Establishment Expenses	20	38,47,128	54,37,147
Other Administrative Expenses etc.	21	62,67,669	25,07,192
Expenditure on Grants, Subsidies etc.	22	-	-
Interest	23	-	-
Depreciation (Net Total at the year end - corresponding to Schedule 8)		-	-
<b>TOTAL (B)</b>		<b>1,01,14,797</b>	<b>79,44,339</b>
Balance being excess of Income over Expenditure (A - B)		33,283	12,39,117
Transfer to Special Reserve (Specify each)		-	-
Transfer to / from General Reserve		-	-
<b>BALANCE BEING SURPLUS/ (DEFICIT) CARRIED TO CORPUS / CAPITAL FUND</b>		<b>33,283</b>	<b>12,39,117</b>





Sr. No. AIIMS/JDH/NEO/2024/07/ 289

Date: 03/07/2024

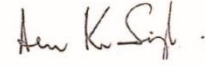
To,  
Financial Advisor,  
AIIMS, Jodhpur.

**Subject:** Submission of Annual Accounts of Model Early Intervention Centre, AIIMS Jodhpur for the Financial Year 2023-24 – reg.

Sir,

This is in reference to the subject cited above, please find the attached Annual Accounts of MEIC, AIIMS Jodhpur for the Financial Year 2023-24.

Thanking you,



(Arun Kumarendu Singh)  
Professor and HOD  
Department of Neonatology  
AIIMS Jodhpur

Encl:-  
Annual Accounts for F.Y. 2023-24.

डॉ. अरुण कुमारेंदु सिंह  
Dr. Arun Kumarendu Singh  
आचार्य / विभागाध्यक्ष  
Professor/HoD  
नवजात शिशु चिकित्सा विभाग  
Department of Neonatology  
अखिल भारतीय आयुर्विज्ञान संस्थान, जोधपुर  
All India Institute of Medical Sciences, Jodhpur





**MODEL EARLY INTERVENTION CUM TRAINING CENTER**  
**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR**

**Financial Statements for the Period**  
**2023-24**



**MODEL EARLY INTERVENTION CUM TRAINING CENTER**  
**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR**

**BALANCE SHEET AS ON 31st MARCH 2024**

S. No.	PARTICULARS	SCHEDULE	(Amount - Rs.)	
			Current Year	Previous Year
	<b><u>CORPUS / CAPITAL FUND AND LIABILITIES</u></b>			
a)	CORPUS / CAPITAL FUND	1	-	-
b)	RESERVES AND SURPLUS	2	-	-
c)	EARMARKED / ENDOWMENT FUNDS	3	3,70,90,339	3,58,25,538
d)	SECURED LOANS AND BORROWINGS	4	-	-
e)	UNSECURED LOANS AND BORROWINGS	5	-	-
f)	DEFERRED CREDIT LIABILITIES	6	-	-
g)	CURRENT LIABILITIES AND PROVISIONS	7	2,98,75,848	2,37,31,142
	<b>TOTAL</b>		<b>6,69,66,187</b>	<b>5,95,56,680</b>
	<b><u>ASSETS</u></b>			
a)	FIXED ASSETS	8	3,70,90,339	3,58,25,538
b)	INVESTMENTS	9	-	-
c)	INVESTMENTS - OTHERS	10	-	-
d)	CURRENT ASSETS, LOANS, ADVANCES ETC.	11	2,98,75,848	2,37,31,142
e)	MISCELLANEOUS EXPENDITURE (to the extent not written off for adjusted)		-	-
	<b>TOTAL</b>		<b>6,69,66,187</b>	<b>5,95,56,680</b>
	SIGNIFICANT ACCOUNTING POLICIES	24		
	CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS	25		



**MODEL EARLY INTERVENTION CUM TRAINING CENTER**  
**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR**

**RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31st MARCH 2024**

			(Amount - Rs.)		
RECEIPTS	Current Year	Previous Year	PAYMENTS	Current year	Previous year
<b>I. Opening Balances</b>			<b>I. Expenses</b>		
a) Cash in hand	-	-	a) Establishment Expenses	92,10,808	7,35,896
b) Bank Balances	2,14,04,442	-	(corresponding to Sch.20)		
			b) Administrative Expenses	5,46,413	2,17,722
			(corresponding to Sch.21)		
<b>II. Grants in Aid Received</b>			<b>II. Investments and deposits made</b>		
a) From Government of India			Fixed Deposit	-	-
For Grant in AID	1,64,09,000	5,91,18,000	(Investments - others)		
<b>III. Interest Received</b>			<b>III. Expenditure on Fixed Assets</b>		
a) On Bank Deposits	5,24,023	13,92,298	Purchase of Fixed Assets	12,64,801	3,58,25,538
<b>IV. Other Income (Specify)</b>			<b>IV. Advances</b>		
			a) Sundry Debtors	7,82,100	23,26,700
			b) Sundry Creditors	55,76,701	-
<b>V. Amount Borrowed/ Advance</b>			<b>V. Other Payments.(Specify)</b>		
a) Security & EMD of Tenders	-	-			
<b>VI. Any other receipts</b>			<b>VI. Closing Balances</b>		
a) Misc. Receipts	-	-	a) Cash in hand	-	-
			b) Bank Balances	2,09,56,642	2,14,04,442
<b>TOTAL</b>	<b>3,83,37,465</b>	<b>6,05,10,298</b>	<b>TOTAL</b>	<b>3,83,37,465</b>	<b>6,05,10,298</b>



**MODEL EARLY INTERVENTION CUM TRAINING CENTER**  
**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR**

**INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH 2024**

(Amount - Rs.)			
<b>INCOME</b>	<b>Schedule</b>	<b>Current Year</b>	<b>Previous Year</b>
Income from Sales / Services	12	-	-
Grants / Subsidies	13	97,57,221	9,53,618
Fees / Subscriptions	14	-	-
Income from Investments	15	-	-
Income from Royalty, Publication etc.	16	-	-
Interest Earned	17	5,24,023	13,92,298
Other Income	18	-	-
Increase / (decrease) in stock of Finished goods and works-in-progress	19	-	-
<b>TOTAL (A)</b>		<b>1,02,81,244</b>	<b>23,45,916</b>
<b>EXPENDITURE</b>			
Establishment Expenses	20	92,10,808	7,35,896
Other Administrative Expenses etc.	21	5,46,413	2,17,722
Expenditure on Grants, Subsidies etc.	22	-	-
Interest	23	-	-
Depreciation (Net Total at the year end - corresponding to Schedule 8)		-	-
<b>TOTAL (B)</b>		<b>97,57,221</b>	<b>9,53,618</b>
Balance being excess of Income over Expenditure (A - B)		5,24,023	13,92,298
Transfer to Special Reserve (Specify each)		-	-
Transfer to / from General Reserve		-	-
<b>BALANCE BEING SURPLUS/ (DEFICIT) CARRIED TO CORPUS / CAPITAL FUND</b>		<b>5,24,023</b>	<b>13,92,298</b>







**अनुसंधान अनुभाग**  
**Research Section**  
 अखिल भारतीय आयुर्विज्ञान संस्थान, जोधपुर  
**All India Institute of Medical Sciences, Jodhpur**

Ref. No. AIIMS/RES/2024/ 11457.

Date : 01/06/2024

To,  
 Mr. Amit Moondra,  
 Finance & Chief Accounts Officer,  
 AIIMS, Jodhpur.

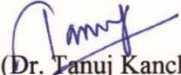
**Subject:** Submission of Annual Accounts of Research Section (Extramural), AIIMS Jodhpur for the Financial Year 2023-24 – reg.

**Ref. No.** – 36 dated 12/04/2024.

Sir,

This is in reference to the subject cited above, please find the attached Annual Accounts of Research Section (Extramural) for the Financial Year 2023-24.

Thanking you,

  
 (Dr. Tanuj Kanchan)  
**Dean (Research)**

डॉ. तनुज कंचन

Dr. Tanuj Kanchan

अधिष्ठाता ( अनुसंधान )

Dean (Research)

अखिल भारतीय आयुर्विज्ञान संस्थान, जोधपुर  
 All India Institute of Medical Sciences, Jodhpur

Encl:-

1. Annual Accounts for F.Y. 2023-24.



Research Section, AIIMS Jodhpur																	
Details of grants received and utilized during the year ended on 31/03/2024																	
S. No.	Particulars	Project Title	Op. bal as on 01.04.2023	Fund Received	Int. recd. During 2023-24	General	Capital	Salary	Total Expenditure incurred during 2023-24	Overhead 2023-24	GST Paid On Funding Received	Grants Other Institutes	Interest on grant return	Advance	Ch. Bal as on 31.3.24	At/Per Rank Per Annd	difference
1	Research Section Project-4	"Congenital Rubella Syndrome (CRS) Surveillance in India."	49,486.00	-	1,600.00	-	-	-	-	-	-	-	-	-	51,086.00	-	-
2	Research Section Project-5	Capacity Building and Strengthening of Hospital Infection Control to Detect and Prevent Antimicrobial Resistance in India	19,73,899.00	-	52,722.00	72,200.00	-	11,03,013.00	11,76,313.00	-	-	-	-	-	8,67,211.00	8,67,211.00	-
3	Research Section Project-7	Low birth weight in new born and its impact on the health of the child in Western Rajasthan	591.00	-	19.00	-	-	-	-	-	-	-	-	-	610.00	-	-
4	Research Section Project-12	Strengthening laboratory capacities of AIIMS Jodhpur for diagnosis & control of rabies in Rajasthan, India	-	10,76,404.00	-	-	-	-	-	-	-	-	-	-	10,76,404.00	-	-
5	Research Section Project-13	ICANScriptTM Clinical Outcomes in a Rank-world setting (ANCTRA-8) A Prospective, Multicenter, Observational Study Examining the Clinical Impact of the ICANScriptTM Clinical Outcomes in a Rank-world setting	8,627.00	-	279.00	-	-	-	-	-	-	-	-	-	8,906.00	8,906.00	-
6	Research Section Project-16	All India Institute of Medical Sciences Jodhpur Regional Center for Antimicrobial Surveillance Network	3,05,272.00	-	3,460.00	1,260.00	-	-	1,260.00	20,240.00	-	-	-	-	3,460.00	3,460.00	-
7	Research Section Project-21	System Approach for Assessment of Maternal Deaths in Rajasthan: A Feasibility Study	97,282.00	1,98,326.00	2,791.00	2,86,193.00	-	-	2,86,193.00	-	-	-	-	-	2,206.00	2,206.00	-
8	Research Section Project-22	Maternal and Child Health Program of IT enabled Equipment Management & Maintenance System (eMMS) in Rajasthan	98,080.00	-	3,771.00	-	-	-	-	-	-	-	-	-	1,01,231.00	1,01,231.00	-
9	Research Section Project-23	80A Verbal Autopsy Initiative	1,02,014.00	20,000.00	3,771.00	8,080.00	-	-	8,080.00	-	-	-	-	-	1,17,507.00	1,17,507.00	-
10	Research Section Project-24	To assess the prevalence of sexually transmitted infections in school going children aged between 6-16 years in ten cities of India	37,063.00	-	1,200.00	-	-	-	-	-	-	-	-	-	38,263.00	38,263.00	-
11	Research Section Project-25	Congenital Rubella Syndrome & Hospital Based Surveillance Phase 2	99,277.00	10,95,915.00	4,850.00	20,390.00	-	7,24,729.00	7,45,119.00	81,559.00	-	-	-	-	3,12,984.00	3,12,984.00	-
12	Research Section Project-26	Validation of DPT-NDMS Results at AIIMS Jodhpur	1,777.00	2,43,444.00	-	5,824.00	-	-	5,824.00	-	-	-	-	-	2,77,516.00	-	-
13	Research Section Project-27	Prevent diagnosis and management of cystic fibrosis (CF) by capacity building of medical college hospitals across India and develop registry	1,59,857.00	4,71,713.00	15,588.00	-	-	48,300.00	48,300.00	-	-	-	-	-	5,98,838.00	5,98,838.00	-
14	Research Section Project-28	Simulating Medical Students interest in Medical Genetics: Randomized Controlled trial of an Innovative Educational Intervention	4,59,350.00	-	14,853.00	-	-	-	-	-	-	-	-	-	4,74,203.00	4,74,203.00	-
15	Research Section Project-30	Epidemiological study of estimating the Burden of Soil Transmitted Helminthiasis Infection in Adolescent Women in Selected States in India	1,65,511.00	-	5,511.00	-	-	-	-	-	-	-	-	-	1,70,022.00	1,70,022.00	-
16	Research Section Project-31	An observational study analyzing the post-mortem interval in human cadavers using autopsy protocols	1,97,650.00	-	3,011.00	1,05,930.00	-	-	1,05,930.00	-	-	-	-	-	34,531.00	34,531.00	-
17	Research Section Project-32	Resource Centre Hub under Health Technology Assessment Project	42,00,666.00	50,00,000.00	1,15,259.00	12,91,06.40	-	31,98,721.00	46,97,829.40	2,00,000.00	-	-	-	-	42,84,435.60	42,84,435.60	-
18	Research Section Project-33	Emerging drug resistance of in community acquired urinary tract infection and molecular insights into dynamics of resistance traits in Indian isolates	1,59,752.00	-	-	-	-	-	-	-	-	-	-	-	1,59,752.00	-	-
19	Research Section Project-34	HBV, HCV, Advanced Medical Oncology Diagnostic Services (IIMANNDIS)	45,81,905.00	1,60,03,200.00	3,32,933.00	28,86,031.00	46,501.00	18,98,360.67	47,80,862.67	3,60,480.00	-	-	-	-	1,56,34,432.33	1,56,34,432.33	-
20	Grant bank Canada	Paying to Empower Adolescents for Sexual and Reproductive Health	46,294.00	-	1,496.00	-	-	-	-	-	-	-	-	-	47,790.00	47,790.00	-
21	Research Section Project-35	Genetic testing and counseling for the parents of children with Down Syndrome	-	30,86,113.00	-	2,10,659.00	-	5,53,987.00	5,87,646.00	4,00,000.00	-	-	-	-	28,93,215.00	-	-
22	Research Section Project-36	Evaluation of a health system based intervention on change in thrombolysis rate in ST segment elevated myocardial infarction (STEMI) patients in a tertiary care hospital in the country-A	11,64,890.00	23,18,265.00	46,267.00	16,74,499.00	-	6,53,810.00	23,05,569.00	1,73,297.00	-	-	-	-	10,50,814.00	10,50,814.00	-
23	Research Section Project-38	Research on indigenous population of dimeric Shiga	-	10,00,000.00	-	1,66,300.00	-	1,88,472.00	3,54,772.00	2,16,306.00	-	-	-	-	4,08,922.00	-	-
24	Research Section Project-39	Evaluation of efficacy and safety of Ayurvedic intervention (ANTISI 64) add on therapy for patients with COVID-19 infection (stage-1)	6,797.00	-	218.00	-	-	-	-	-	-	-	-	-	6,935.00	6,935.00	-
25	Research Section Project-40	Unmet Burden of HIV (UNAIDS)	53,601.00	-	1,733.00	-	-	-	-	-	-	-	-	-	55,334.00	55,334.00	-
26	Research Section Project-41	Maternal Approaches to develop potential Therapeutic Leads targeting molecular hot spots of dimeric molecular dimers for clinical trial	1,45,609.00	-	4,702.00	-	-	-	-	-	-	-	-	-	1,50,311.00	1,50,311.00	-
27	Research Section Project-42	Research study on patient blood management of Rajasthan and its impact on health economics	2,97,577.00	-	8,841.00	-	-	-	-	-	-	-	-	-	2,66,918.00	2,66,918.00	-
28	Research Section Project-43	National Clinical Registry for COVID-19 India"	13,06,306.00	39,68,877.00	31,742.00	2,58,576.00	-	4,36,540.00	6,95,121.00	77,331.00	-	-	-	-	10,56,307.00	10,56,307.00	-
29	Research Section Project-44	Expansion of Antimicrobial Stewardship (AMS) and Infection Control Program (ICP) at AIIMS, Jodhpur, Secondary Care Hospital"	1,22,150.00	8,68,148.00	6,798.00	1,43,061.00	-	7,54,160.00	8,97,221.00	80,150.00	-	-	-	-	284.00	284.00	-
30	Research Section Project-45	"HIA of National Stroke Care Registry Programme - Development of Hospital Based Stroke Registry (HBSR) in different regions of India"	1,74,879.00	5,77,127.00	8,941.00	76,865.00	-	3,67,000.00	4,43,865.00	20,213.00	-	-	-	-	2,96,969.00	2,96,969.00	-
31	Research Section Project-46	Safety and Efficacy of Laparoscopic Uterus Pexy in Association with marginal phloer during Vascular Endarterectomy, a phase IV study	44,425.00	-	1,437.00	-	-	-	-	-	-	-	-	-	45,862.00	45,862.00	-
32	Research Section Project-47	Development of a novel diagnostic tool for the detection of COVID-19 infection in patients of COVID-19 infection	50,297.40	-	1,397.00	-	-	-	-	-	-	-	-	-	51,694.40	51,694.40	-
33	Research Section Project-49	Bank factors for SARS-CoV-2 infection among health care workers in India: A Case Control Study	3,999.00	-	111.00	-	-	-	-	-	-	-	-	-	3,510.00	3,510.00	-
34	Research Section Project-50	Development of an AI platform for Human Health	4,28,017.00	-	4,714.00	-	-	-	-	-	-	-	-	-	4,28,017.00	-	-
35	Research Section Project-51	Antenatal and Postnatal care in children due to heat stress, a Potential cause of Cardiorespiratory failure	42,81,117.00	24,288.00	99,335.00	5,50,958.85	-	33,833.00	5,66,791.85	-	-	-	-	-	99,335.00	99,335.00	0.00



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S. No.	Particulars	Project Title	Op. bal as on 01.04.2023	Fund Received	Int. recd. During 2023-24	General	Capital	Salary	Total Expenditure including salary 2023-24	Overhead 2023-24	Cost Paid On Purchase Received	Grants transfered to Other Institutes	unspent grant return	Interest submitted return	Advance	Ch. Bal as on 31.3.24	At Per Head Per Annum	difference		
70	Research Section Project-89	Cost Effectiveness of Povidone Iodine Antiseptic Preparation (PMPI) and its impact on Financial Risk Reduction in India	20,860.00	-	671.00	-	-	29,936.00	-	-	-	-	-	-	-	21,471.00	21,471.00	-		
71	Research Section Project-90	A Prospective, Multicentre Randomised, Active-controlled, Observational Study to Evaluate the Safety, Tolerability and Immunogenicity of the candidate HCoV-CoVID-19 Vaccine in healthy subjects	11,00,962.50	2,36,172.50	19,098.00	4,53,670.00	-	-	4,53,670.00	3,26,125.00	3,84,815.00	-	-	-	-	2,11,623.00	2,11,623.00	-		
72	Research Section Project-91	Review of WHO FPN Compliances in Preventive courses in health and community centres in NCT-India workers to deliver people-centred NCD services	40,567.00	-	386.00	35,000.00	-	-	35,000.00	-	-	-	-	-	-	5,753.00	5,753.00	-		
73	Research Section Project-92	Mitochondrial performance determination through mtDNA sequencing	42,676.00	-	305.00	-	-	40,600.00	40,600.00	-	-	-	-	-	-	2,381.00	2,381.00	-		
74	Research Section Project-93	Analysing the role of circulating PTEN and Micro RNA in Immune Suppression of HIV, T1D2 and Treg cells in Diabetic Neuropathy	46,659.00	2,82,685.00	6,553.00	39,540.00	-	-	39,540.00	-	-	-	-	-	-	2,86,757.00	2,86,757.00	-		
75	Research Section Project-94	COVAC (community oriented action and using health approach for COVID-19) in Jodhpur, Rajasthan through participatory research methodology	8,57,595.00	-	22,213.00	69,883.00	35,114.00	3,67,407.00	4,72,604.00	-	-	-	-	-	-	4,67,204.00	4,67,204.00	-		
76	Research Section Project-95	Do bioassays predict bone healing in lower limb diaphyseal fractures: A Prospective Cohort Study	2,54,425.00	-	8,146.00	30,348.00	-	-	30,348.00	-	-	-	28,709.00	-	-	-	1,86,515.00	1,86,515.00	-	
77	Research Section Project-96	Application of new tools for molecular diagnosis and surveillance of post COVID-19 sequelae and commoner infections in India	2,37,993.00	-	6,515.00	29,284.00	-	-	29,284.00	-	-	-	-	-	-	-	7,78,854.00	7,78,854.00	-	
78	Research Section Project-97	Use of mobile health (mHealth) applications to train primary health centre workers in the management of type 2 diabetes in Jodhpur, Rajasthan: A Community Based Trial	17,22,128.00	-	44,559.00	1,14,506.00	-	8,63,084.00	9,77,590.00	10,643.00	-	-	-	-	-	-	24,53,947.81	24,53,947.81	-	
79	Research Section Project-98	Preventing Hypertension control and care by reorganizing primary health care	12,89,779.65	45,18,117.16	60,095.00	12,98,017.00	-	16,31,828.00	29,29,845.00	2,84,199.00	-	-	-	-	-	-	7,08,778.00	7,08,778.00	-	
80	Research Section Project-99	Utility of Transcatheter and Major Cardiovascular Disease: A Multi-centre Study Across India: An ESCAPE Task Force Project	14,70,220.00	-	84,532.00	1,72,567.00	-	4,57,189.00	6,29,706.00	78,668.00	-	-	-	-	-	-	3,58,999.00	3,58,999.00	-	
81	Research Section Project-100	Characterization of amyloidosis in diagnostic services using western blot technique and immunogold electron microscopy	13,560.00	7,00,000.00	9,150.00	88,931.00	-	2,75,680.00	3,64,611.00	-	-	-	-	-	-	-	3,52,115.00	3,52,115.00	-	
82	Research Section Project-101	Effect of COVID-19 on the mental health of patients with depression to initiate the appropriate modification of TSSPT-gene	8,65,711.00	-	18,540.00	1,73,036.00	3,42,000.00	-	5,15,546.00	16,500.00	-	-	-	-	-	-	5,69,551.00	5,69,551.00	-	
83	Research Section Project-102	Implementation of AMSP in various tertiary care centres across India	19,87,993.00	19,10,651.00	36,654.00	3,64,139.00	-	20,25,684.00	23,89,823.00	79,554.00	-	-	-	-	-	-	4,077.00	4,077.00	-	
84	Research Section Project-103	Amoebic Hepatitis: Clinical and Laboratory Studies	43,255.00	25,000.00	1,098.00	-	-	-	-	58,407.40	6,868.00	-	-	-	-	-	-	3,83,156.00	-	-
85	Research Section Project-104	Superiority of the COVID-19 Vaccine in the Management of COVID-19 Infection: A Randomized Controlled Trial of the Safety, Tolerability and Efficacy of Anti-Coronavirus Vaccine in the Management of COVID-19 Infection: The OTAC Study	5,871.00	8,34,660.00	-	-	-	4,71,484.00	4,71,484.00	-	-	-	-	5,871.00	-	-	-	-	-	
86	Research Section Project-105	An International Multicentre, Randomized Double-blind, Placebo-controlled Trial of the Safety, Tolerability and Efficacy of Anti-Coronavirus Vaccine in the Management of COVID-19 Infection: The OTAC Study	6,06,299.00	-	15,001.00	-	-	3,13,694.00	3,13,694.00	10,000.00	-	-	-	-	-	-	2,97,696.00	2,97,696.00	-	
87	Research Section Project-106	Randomized, Multi-Centre, Comparative Blinded Parallel Group Prospective Study: To Determine Clinical Efficacy and safety of Therapeutic surgical wound dressing of care now in comparison with surgical dressing of care now in comparison with wound healing in patients undergoing abdominal and joint surgeries	2,40,107.00	-	3,520.00	1,12,625.00	-	-	1,12,625.00	71,494.60	6,955.00	-	-	-	-	-	52,572.40	52,572.40	-	
88	Research Section Project-107	Randomized, Multi-Centre, Comparative Blinded Parallel Group Prospective Study, to Determine Clinical efficacy and safety of Therapeutic Surgical wound dressing of Care now in Comparison with Surgical dressing of Care now in Comparison with Wound healing in patients with Trauma and Joint Surgeries	1,59,791.00	2,00,000.00	4,344.00	-	-	1,80,000.00	1,80,000.00	79,311.00	15,913.00	-	-	-	-	-	88,861.00	88,861.00	-	
89	Research Section Project-108	A multicenter, randomized, double-blind, double-arm, Phase II study to evaluate the efficacy and safety of the combination of Aspirin 150 mg and Paracetamol 20 mg versus Aspirin 150 mg alone for the prevention of gastrointestinal mucosal damage in patients taking aspirin for the primary prevention of cardiovascular disease or cerebrovascular disease	5,86,587.00	91,462.00	14,559.00	4,49,286.00	-	-	4,49,286.00	1,35,514.00	10,529.00	-	-	-	-	-	97,278.40	97,278.40	-	
90	Research Section Project-109	Quality of Life, physical and mental well-being with yoga therapy in head and neck cancer patients managed with surgery first at curative intent	12,14,193.27	8,15,912.23	48,653.00	24,144.00	-	3,59,548.00	3,87,692.00	1,58,388.84	-	-	-	-	-	15,53,515.66	15,53,515.66	-		
91	Research Section Project-110	Efficacy of a test retesting service for patients with type 2 diabetes to support best insulin titration	57,741.00	-	1,431.00	-	-	-	-	22,900.00	-	-	-	-	-	-	36,272.00	36,272.00	-	
92	Research Section Project-111	Efficacy of milrinone in patients with polyneuropathy in SCNU-11: A multicentre, randomized, double-blind, placebo-controlled study in Type 2 Diabetic Mellitus patients in Western Rajasthan	13,54,471.00	-	28,703.00	4,45,662.00	-	2,72,900.00	7,18,562.00	51,107.00	-	-	-	-	-	6,13,505.00	6,13,505.00	-		
93	Research Section Project-112	Situational Analysis of Health Care Facility and Community Preparedness for implementation Govt. of India Guidelines for gestational diabetes mellitus	6,52,212.00	-	12,075.00	1,23,970.00	-	3,84,000.00	5,07,970.00	12,360.00	-	-	-	-	-	1,43,957.00	1,43,957.00	-		
94	Research Section Project-113	A randomized double-blind, parallel Arm Dose Optimization study in patients with Type 2 Diabetes Mellitus	2,215.00	2,32,210.00	2,054.00	-	-	19,992.00	19,992.00	-	36,668.00	-	-	-	-	20,000.00	1,60,648.00	-		
95	Research Section Project-114	COVID Vaccination in Pregnancy: The COVPP Study	58,99,438.00	-	1,41,702.00	10,39,370.00	9,564.00	9,47,042.00	19,96,176.00	2,38,420.00	-	-	-	-	-	-	19,73,944.00	19,73,944.00	-	
	Research Section Project-115	Efficacy of Low dose, short course paracetamol regimen for relief of pain in patients with COVID-19: A Randomized Controlled Trial	2,24,375.00	2,46,573.00	3,338.00	11,449.00	-	3,78,000.00	3,89,549.00	11,700.00	-	-	-	-	-	-	73,237.00	73,237.00	-	

S. No.	Particulars	Project Title	Qty. Issued as on 01.04.2023	Fund Received	Int. recd. During 2023-24	General	Capital	Salary	Total Expenditure incurred during 2023-24	Overhead 2023-24	GST Paid On Purchasing Received	Grants transfer to Other Institutions	Interest submitted return	Advance	Ch. Bal as on 31.3.24	At Per Band Per book	difference
97	Research Section	Variation in immune response to coronavirus disease risk in drivers of COVID-19 patients in South India in TX and India	40,082.00	2,49,448.00	3,757.00	-	-	93,464.00	93,464.00	55,344.00	-	-	-	-	1,44,079.00	1,44,079.00	-
98	Research Section	Rapid assessment of continuum of care for diabetes and hypertension in rural population in a Jodhpur	5,03,237.00	38,51,486.00	13,317.00	10,13,344.00	1,66,519.00	28,20,626.00	40,20,113.00	2,53,215.00	-	-	-	58.00	96,960.00	96,960.00	-
99	Research Section	Neoadjuvant chemotherapy followed by surgery versus surgery followed by adjuvant chemotherapy for resectable gastric adenocarcinoma - Phase 3 Multicentric Randomized Controlled Trial	8,66,242.00	-	17,744.00	8,06,566.00	-	-	8,06,566.00	42,975.00	-	-	-	-	34,445.00	34,445.00	-
100	Research Section	Evaluation of the Aurogaur rapid drug sensitivity test for tuberculosis	2,86,752.00	-	4,697.00	-	-	2,66,425.00	2,66,425.00	8,352.00	-	-	2,78.00	-	13,865.00	13,865.00	-
101	Research Section	A clinical application study of the tumor specific electrospun technique for patients with locally advanced or recurrent head & neck squamous cell carcinoma	1,17,886.00	3,94,900.00	3,003.00	-	-	4,31,993.00	4,31,993.00	-	-	-	-	-	84,696.00	84,696.00	-
102	Research Section	ICR Capacity building - Orientation training for COVID-19 prepossession and PCR for healthcare facilities	8,46,000.00	9,00,000.00	54,779.00	1,11,394.00	-	3,60,000.00	4,71,394.00	7,230.00	-	-	-	-	13,08,885.00	13,08,885.00	-
103	Research Section	Minimally invasive robotic assisted laparoscopic approach to resection of the left adrenal gland in patients with pheochromocytoma and paraganglioma	1,77,935.00	-	3,328.00	51,905.00	-	36,000.00	87,905.00	-	-	-	-	-	86,328.00	86,328.00	-
104	Research Section	Association between history of COVID-19 and mental health morbidity in India - a cross sectional multi-centric study	16,55,500.00	-	39,984.00	1,92,556.00	1,903.00	4,32,864.00	6,72,770.00	38,790.00	-	-	-	-	10,29,314.00	10,29,314.00	-
105	Research Section	A Phase III, Observational, Parallel-Arm, Multicenter Clinical Study to Assess the Efficacy and Safety of Hydroxychloroquine when used as an add-on Therapy in Type 2 Diabetes Patients uncontrolled on metformin	15,99,299.00	-	38,999.00	1,29,638.00	65,063.00	4,21,798.00	6,16,999.00	42,688.00	-	-	13,63,225.00	-	15,986.00	15,986.00	-
106	Research Section	Effect of per-fluorinated polyether on the stability of protein-based vaccines in dry state	17,31,340.00	12,11,760.00	11,156.00	20,65,687.00	-	-	20,65,687.00	5,25,500.00	2,01,960.00	-	-	-	1,61,009.00	1,61,009.00	-
107	Research Section	Effect of per-fluorinated polyether on the stability of protein-based vaccines in dry state	1,04,82,165.00	1,43,238.00	1,43,238.00	-	29,36,142.94	49,86,470.00	78,42,112.94	2,05,133.00	-	-	-	-	26,02,225.06	26,02,225.06	-
108	Research Section	Effect of per-fluorinated polyether on the stability of protein-based vaccines in dry state	-	1,35,051.00	874.00	14,530.00	-	55,412.00	69,842.00	12,500.00	20,661.00	-	-	20,000.00	12,882.00	12,882.00	-
109	Research Section	Effect of per-fluorinated polyether on the stability of protein-based vaccines in dry state	-	9,78,088.00	11,455.00	38,058.00	-	6,68,694.00	7,06,752.00	28,488.00	-	-	-	-	2,54,303.00	2,54,303.00	-
110	Research Section	Effect of per-fluorinated polyether on the stability of protein-based vaccines in dry state	-	68,67,260.00	1,31,905.00	24,266.00	-	2,61,871.00	2,86,137.00	21,260.00	-	-	-	-	67,07,288.00	67,07,288.00	-
111	Research Section	Effect of per-fluorinated polyether on the stability of protein-based vaccines in dry state	-	2,16,000.00	2,620.00	-	-	1,80,000.00	1,80,000.00	-	-	-	-	-	38,620.00	38,620.00	-
112	Research Section	Effect of per-fluorinated polyether on the stability of protein-based vaccines in dry state	-	5,90,000.00	12,445.00	25,418.00	-	-	25,418.00	-	-	-	-	-	5,77,027.00	5,77,027.00	-
113	Research Section	Effect of per-fluorinated polyether on the stability of protein-based vaccines in dry state	-	2,92,000.00	4,992.00	98,978.00	-	1,02,303.00	2,01,281.00	-	-	-	-	-	95,511.00	95,511.00	-
114	Research Section	Effect of per-fluorinated polyether on the stability of protein-based vaccines in dry state	-	17,60,000.00	23,962.00	-	-	12,79,032.00	-	-	-	-	-	-	5,04,630.00	5,04,630.00	-
115	Research Section	Effect of per-fluorinated polyether on the stability of protein-based vaccines in dry state	-	2,12,400.00	641.00	18,000.00	-	1,08,000.00	1,26,000.00	17,600.00	-	-	-	-	53,601.00	53,601.00	-
116	Research Section	Effect of per-fluorinated polyether on the stability of protein-based vaccines in dry state	-	1,12,10,200.00	1,86,163.00	-	-	5,00,000.00	5,00,000.00	70,200.00	-	-	-	-	1,08,26,163.00	1,08,26,163.00	-
117	Research Section	Effect of per-fluorinated polyether on the stability of protein-based vaccines in dry state	-	1,00,000.00	1,710.00	-	-	-	-	-	-	-	-	-	1,81,710.00	1,81,710.00	-
118	Research Section	Effect of per-fluorinated polyether on the stability of protein-based vaccines in dry state	-	3,74,780.00	2,886.00	-	-	1,48,200.00	1,48,200.00	15,000.00	-	-	-	-	2,14,500.00	2,14,500.00	-
119	Research Section	Effect of per-fluorinated polyether on the stability of protein-based vaccines in dry state	-	23,80,868.00	33,649.00	-	99,836.00	7,26,081.00	8,29,917.00	55,368.00	-	-	-	-	15,29,332.00	15,29,332.00	-
120	Research Section	Effect of per-fluorinated polyether on the stability of protein-based vaccines in dry state	-	6,21,000.00	5,249.00	65,555.00	-	4,73,344.00	5,38,879.00	29,750.00	-	-	-	-	58,120.00	58,120.00	-
121	Research Section	Effect of per-fluorinated polyether on the stability of protein-based vaccines in dry state	-	46,85,275.00	62,555.00	7,98,711.00	-	6,78,419.00	14,71,150.00	95,108.00	-	-	-	-	31,75,472.00	31,75,472.00	-
122	Research Section	Effect of per-fluorinated polyether on the stability of protein-based vaccines in dry state	-	3,14,100.00	884.00	-	-	70,645.00	70,645.00	-	4,500.00	-	-	-	2,39,639.00	2,39,639.00	-
123	Research Section	Effect of per-fluorinated polyether on the stability of protein-based vaccines in dry state	-	70,000.00	882.00	21,335.00	-	-	21,335.00	-	-	-	-	-	40,547.00	40,547.00	-
124	Research Section	Effect of per-fluorinated polyether on the stability of protein-based vaccines in dry state	-	10,10,000.00	13,383.00	6,801.00	-	1,39,315.00	1,45,756.00	10,000.00	-	-	-	-	8,67,547.00	8,67,547.00	-
125	Research Section	Effect of per-fluorinated polyether on the stability of protein-based vaccines in dry state	-	9,10,000.00	11,856.00	20,335.00	-	1,41,290.00	1,61,625.00	10,000.00	-	-	-	-	7,50,331.00	7,50,331.00	-
126	Research Section	Effect of per-fluorinated polyether on the stability of protein-based vaccines in dry state	-	40,000.00	477.00	-	-	-	-	-	-	-	-	-	40,477.00	40,477.00	-
127	Research Section	Effect of per-fluorinated polyether on the stability of protein-based vaccines in dry state	-	6,78,874.00	7,435.00	-	-	69,277.00	69,277.00	12,494.00	-	-	-	-	6,04,638.00	6,04,638.00	-
128	Research Section	Effect of per-fluorinated polyether on the stability of protein-based vaccines in dry state	-	7,09,200.00	9,071.00	35,847.00	-	-	35,847.00	19,200.00	-	-	-	-	6,63,224.00	6,63,224.00	-
129	Research Section	Effect of per-fluorinated polyether on the stability of protein-based vaccines in dry state	-	59,35,979.19	32,701.00	12,51,500.00	-	4,39,677.00	17,43,207.00	2,41,596.00	-	-	-	-	39,83,417.19	39,83,417.19	-
130	Research Section	Effect of per-fluorinated polyether on the stability of protein-based vaccines in dry state	-	7,09,200.00	2,087.00	2,979.00	-	-	2,979.00	19,200.00	-	-	-	-	6,89,108.00	6,89,108.00	-



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*[Signature]*

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All India Institute of Medical Sciences, Jodhpur



**शहर के गौरव • डॉक्टरों ने विभिन्न विषयों पर किए शोध, स्कोपस के एलजीवियर पर विश्व के सर्वोत्तम 2 प्रतिशत रिसर्चर्स में हमारे एम्स**

978607 पर मिस्ट शहर लिंक प्राप्त करें

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विश्व के सर्वोत्तम 2 प्रतिशत रिसर्चर्स में हमारे एम्स के 3 डॉक्टरों का चयन हुआ है। स्कोपस के एलजीवियर पब्लिकेशन ने हाल में यह सूची जारी की। इन तीनों डॉक्टरों ने विभिन्न विषयों में शोध किया। ये डॉक्टर हैं एम्स जोधपुर के डीन रिसर्च डॉ. तनुज कंचन, याहस डीन रिसर्च डॉ. पंकज भारद्वाज व उप डीन रिसर्च डॉ. जयकरण चारण। तीनों डॉक्टरों को रिसर्च विभाग का अतिरिक्त कार्यभार दिया गया है। एलजीवियर की सूची में एम्स के पूर्व निदेशक डॉ. संजीव मिश्रा व पूर्व डीन रिसर्च डॉ. प्रवीण शर्मा भी हैं।

**डॉ. तनुज कंचन, फॉरेसिक मेडिसिन**  
प्रोफेसर एवं विभागाध्यक्ष डॉ. तनुज कंचन के 500 से अधिक शोध पत्र प्रकाशित हो चुके हैं। पूर्व में डॉ. कंचन जर्नल ऑफ इंडियन एकेडमी ऑफ फॉरेसिक चीफ एडिटर रहे हैं। इनका विशेष शोध एंथ्रोपोलॉजी एवं फॉरेसिक पैथोलॉजी है। क्रिमिनल इन्वेस्टिगेशन में डॉ. कंचन का शोध महत्वपूर्ण है।

**डॉ. पंकज भारद्वाज, कम्युनिटी मेडिसिन व फैमिली मेडिसिन**  
प्रोफेसर व स्कूल ऑफ पब्लिक हेल्थ के डीन डॉ. पंकज भारद्वाज के 200 से अधिक शोध पत्र प्रकाशित हो चुके हैं। वर्तमान में डॉ. पंकज इंडियन जर्नल ऑफ कम्युनिटी मेडिसिन के चीफ एडिटर हैं। इनका शोध केंद्र और राज्य सरकार की स्वास्थ्य प्रणाली को सुदृढ़ करने के क्षेत्र में रहा है। ये बुढ़ावस्था से संबंधित रोग, तंबाकू के क्षेत्र में शोध और असंचारी रोग के क्षेत्र में लगातार कार्य करते रहते हैं।

न दी गई। इन बीच ज समाप्त हो गया। न कर अगर। की एकमुदत लंबे राष्ट्रपति शासन के कुछ विधायकों को में सफल रही। अपने बार पर सुखाड़िया ने फेर से पेश कर दिया। राज्यपाल ने संख्या छाड़िय को मुख्यमंत्री इसके साथ ही राज्य रहा राष्ट्रपति शासन

## बड़े सेंटर्स पर होने वाली सर्जरी को जोधपुर में किया, 10 मरीजों को दी नई सूरत कोविड के बाद ब्लैक फंगस से विकृत हुआ था चेहरा एम्स में माइक्रो वेस्कुलर सर्जरी कर किया ठीक

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कोविड के बाद मरीजों में आई ब्लैक फंगस से विकृति का इलाज एम्स प्लास्टिक सर्जरी विभाग में किया जा रहा है। 6 माह में ऐसे 10 मरीज, जिनका चेहरा ब्लैक फंगस के इलाज के बाद विकृत हो गया, उनकी प्लास्टिक सर्जरी विभाग में माइक्रो वेस्कुलर सर्जरी कर सही किया गया। विभाग के एडिशनल प्रोफेसर डॉ. प्रकाश काला ने बताया कि 44 वर्षीय मरीज के जबड़े, तालुका, नाक का हिस्सा हटा दिया गया था। आवाज भी चेंज हो

**पांव से हड्डी-मांस ले विकृत जगह को सही करते हैं**

पांव से हड्डी व मांस लेकर विकृत जगह पर लगाने को फ्लैप कहा जाता है। इस फ्लैप को माइक्रो वेस्कुलर विधि से चेहरे की महीन खून की नसों, आर्टरी, वेन को जोड़कर चेहरे में प्रतिस्थापित किया जाता है। ऐसे ऑपरेशन में करीब 8-10 घंटे लगते हैं। ऑपरेशन के बाद चेहरा और आवाज दोनों सामान्य हो जाते हैं। एम्स प्लास्टिक सर्जरी विभाग में माइक्रो स्कोप होने की वजह से ऐसे केस हो पा रहे हैं। अब तक करीब 10-12 मरीजों की सर्जरी एम्स में हो चुकी है।

गई। मरीज के पांव से हड्डी और मांस लेकर इसको माइक्रो वेस्कुलर सर्जरी कर जबड़े का शेप दिया। ऑपरेशन के बाद मरीज का चेहरा बिल्कुल सामान्य हो गया। ऑपरेशन के बाद मरीज की

आवाज भी पूर्व की तरह सामान्य हो गई। डॉ. काला ने बताया कि इस तरह का इलाज बड़े शहरों के बड़े सेंटर्स पर ही संभव था। अब एम्स में मरीजों को यह सुविधा मिल रही है।



देशभर के 250 डॉक्टर शामिल हुए

## एम्स में यूरोलॉजी की कार्यशाला में सीखी नई तकनीक

जोधपुर. अखिल भारतीय आयुर्विज्ञान संस्थान (एम्स) जोधपुर के यूरोलॉजी विभाग की ओर से आयोजित दो दिवसीय नेशनल कॉन्फ्रेंस रविवार को सम्पन्न हुई। कॉन्फ्रेंस में देशभर के 250 डॉक्टर शामिल हुए। आयोजन के सचिव डॉ. गौतम राम चौधरी ने बताया कि कॉन्फ्रेंस के दूसरे दिन टाटा मुंबई, राजीव गांधी कैंसर इंस्टीट्यूट एम्स भुवनेश्वर, जेआइपीएमआईआर -एसजीपीजीआई लखनऊ, पीजीआई चंडीगढ़ आदि से यूरोलॉजिस्ट, पेथोलॉजिस्ट,



एम्स में नेशनल कॉन्फ्रेंस भाग लेने आए संभागी।

रेडीओलॉजिस्ट न्यूक्लीअर मेडिसिन फ़िज़िशियन, मेडिकल ऑन्कोलॉजिस्ट तथा रेडीएशन ऑन्कोलॉजिस्ट्स ने यूरोथेलीयल कैंसर पर मंथन

किया। दोपहर में विदाई समारोह में क्वीज तथा पोस्टर के लिए पुरस्कार वितरित किए गए। डॉक्टर चौधरी ने कॉन्फ्रेंस को सफल बनाने के

लिए जोधपुर यूरोलॉजी फोरम, रेजिडेंट डाक्टर, ऑपरेशन थियेटर स्टाफ, वार्ड स्टाफ, ओपीडी स्टाफ, का आभार ज्ञापित किया।

## भास्कर एक्सक्लूसिव • एम्स में चमत्कार - प. राजस्थान में ऐसी पहली सर्जरी का दावा, 6 साल में 4 ऑपरेशन बच्ची के कान नहीं थे... पसलियों से पार्ट निकाल फिर से कान बनाए, सुनने की शक्ति 100 फीसदी लौट आई

महावीर प्रसाद शर्मा | जोधपुर

एम्स ईएनटी विभाग ने 19 साल की युवती के दोनों कान बनाने और बोन ब्रिज इंप्लांट कर सुनने की शक्ति देने का कारनामा किया है। यह युवती 6 साल पहले एम्स आई थी। उसके कान का बाहरी व अंदरूनी हिस्सा पूर्ण विकसित नहीं था। इससे लड़की के सुनने की क्षमता केवल 40% थी। बोलने की क्षमता भी कम थी।

विभागाध्यक्ष डॉ. अमित गोयल ने बताया कि डॉ. कपिल सोनी ने मरीज के दोनों साइड के कान का नया स्ट्रक्चर बनाया, जिसमें तीन साल लगे। इसके बाद बोन ब्रिज इंप्लांट लगाकर सुनने की शक्ति भी मिली। पूरे 6 साल और 4 सर्जरी के बाद लड़की अब राफ सुन पा रही है। पश्चिमी राजस्थान का ऐसा हला ऑपरेशन अहमदाबाद अपोलो से आए डॉ. जेश विश्वकर्मा के नेतृत्व में किया गया।

बोन ब्रिज इंप्लांट भी लगाया ताकि सिर की हड्डी से निकली तरंगों से मरीज सुन सके



डॉ. अमित गोयल ने बताया कि बोन ब्रिज इंप्लांट ऐसे मरीज में करते हैं, जिनके बाहरी कान सामान्य रूप से नहीं बने होते। इसकी वजह से मरीज को सुनाई नहीं देता। यह छोटे बच्चों में लगाए कॉकलियर इंप्लांट से अलग है, जिसमें मशीन को कान के अंदरूनी हिस्से में लगाते हैं। जबकि बोन ब्रिज इंप्लांट में मशीन को सिर के पिछले भाग की हड्डी में लगाया जाता है। इंप्लांट सिर की हड्डी के माध्यम से दिमाग में तरंगें प्रवाहित करता है, जिससे मरीज को सुनाई देता है।

डॉ. सोनी ने बताया कि लड़की के बाहरी कान का पूरा आकार बनाया। सुनने की शक्ति के लिए बोन ब्रिज इंप्लांट किया। निजी अस्पतालों में ऐसे ऑपरेशन में करीब 6 लाख रु. खर्च होते हैं। हमने प्रधानमंत्री कोष से विशेष अनुमति लेकर यह ऑपरेशन किया। इंप्लांट लगाने का ऑपरेशन अहमदाबाद के डॉ. राजेश विश्वकर्मा, डॉ. अमित

गोयल व डॉ. कपिल सोनी ने किया। डॉ. सोनी ने बताया कि पहले चरण में छाती की छठी, सातवीं आठवीं नरम पसलियों को निकाला। फिर पसलियों कान के आकार में बनाया व अविकसित कान की जगह लगाया। इसके 6 माह बाद दूसरा चरण और उसके बाद हर 6 माह में सर्जरी कर करीब 3 साल में कान की प्राथमिक संरचना को अंतिम आकार दिया।



## डॉ.एस.एस. अग्रवाल बने जोधपुर एम्स के प्रेसीडेंट

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जोधपुर. केन्द्रीय स्वास्थ्य एवं परिवार कल्याण मंत्रालय ने एक आदेश जारी कर डॉ.एस.एस. अग्रवाल को ऑल इंडिया इन्स्टीट्यूट ऑफ मेडिकल साइन्स (एम्स जोधपुर) का प्रेसीडेंट नियुक्त किया है। अग्रवाल इससे पहले एम्स जोधपुर की इन्स्टीट्यूशनल बोर्ड में सदस्य के रूप में शामिल रहे हैं। वे चिकित्सकों की शीर्ष संस्था इंडियन मेडिकल एसोसिएशन के राष्ट्रीय अध्यक्ष, मेडिकल काउंसिल ऑफ इंडिया, एनएवीएच बोर्ड, नेशनल काउंसिल ऑफ मेडिकल एण्ड हेल्थ भारत सरकार में भी रह चुके हैं।



## ब्लड ग्रुप मैच होने पर मरीज के 21 वर्षीय पुत्र ने दिया लीवर, दोनों स्वस्थ, सावधानी के लिए आईसीयू में रखा एम्स में 50 डॉक्टर-नर्स ने 10 घंटे में किया लिवर ट्रांसप्लांट, बेटे ने पिता को दिया जिगर का टुकड़ा

हेल्थ रिपोर्टर | जोधपुर

### 8 फरवरी को पहले ट्रांसप्लांट में भी बेटे ने दिया था पिता को लीवर

एम्स और दिल्ली के इन्स्टीट्यूट ऑफ लिवर एंड बायलरी साइंसेज (आईएलबीएस) की ग्रेस्टोसर्जिकल टीम ने तीन माह में तीसरा लिविंग डोनर लिवर ट्रांसप्लांट किया। प्रदेश में हो रहे ट्रांसप्लांट में किसी भी ट्रांसप्लांट में जीवित व्यक्ति का ट्रांसप्लांट दूसरे व्यक्ति में नहीं किया गया। सभी केसेज में अंगदान में मिले लिवर से ही ट्रांसप्लांट किया गया। यह ट्रांसप्लांट भी चिरजीवी योजना में निशुल्क किया गया। एम्स अधीक्षक डॉ. एस.संभू ने बताया कि दिल्ली और जोधपुर के करीब 50 डॉक्टर (सर्जन, हेपेटोलॉजिस्ट, एनेस्थीयोलॉजिस्ट) नर्सिंग और ओटी टेक्नीशियनों ने मिलकर 10 घंटे में सफल ऑपरेशन किया।

भीलवाड़ा निवासी 48 वर्षीय पुरुष को उनके 21 वर्षीय बेटे ने लिवर दिया है। मरीज के पेट में पानी भरने की शिकायत पर एम्स ग्रेस्टोसर्जिकल ओपीडी में दिखाने आया। अल्ट्रासाउंड, सीटी स्कैन और ब्लड टेस्ट जांच में पता चला कि लिवर पूरी तरह

यह दूसरा मामला है जब बेटे ने अपने पिता की जान बचाने के लिए अपना लिवर दिया है। इससे पहले एम्स में 8 फरवरी को हुए पहले लिवर ट्रांसप्लांट के समय भी बेटे ने अपने पिता को लिवर दिया था। करीब एक माह बाद डिस्चार्ज होकर अपने घर लौट गए। दूसरे ट्रांसप्लांट में ऑपरेशन के कुछ दिन बाद स्वस्थ होने के बावजूद अचानक तबीयत बिगड़ने के चलते अभी अस्पताल में ही भर्ती है।

खराब है। उन्हें ट्रांसप्लांट की सलाह दी। मरीज के 21 वर्षीय पुत्र ने लिवर ट्रांसप्लांट के लिए ब्लड ग्रुप आदि की जांच कराई तो दोनों का ब्लड ग्रुप मैच हुआ। करीब 10 घंटे ऑपरेशन कर बेटे के लिवर को पिता में ट्रांसप्लांट किया। जानकारी के अनुसार अभी दोनों स्वस्थ हैं। लेकिन हिदायत के तौर पर आईसीयू में रखा गया है।

## एम्स में एनस्थिसिया पर हुई सीएमई



**पत्रिका @ जोधपुर.** रिसर्च सोसाइटी ऑफ एनस्थियोलोजी एंड क्लीनिकल फारमेकोलोजी के तत्वावधान में रविवार को एम्स जोधपुर के निश्चेतना व गहन चिकित्सा विभाग की ओर से एक दिवसीय सीएमई का आयोजन किया गया। इसमें 60 प्रतिभागी शामिल हुए।

रिसर्च सोसाइटी की अध्यक्ष केईएम हॉस्पिटल मुम्बई की डॉ. इन्द्राणी हेमंत कुमार, एम्स पटना के डॉ. निशांत सहाय, दयानंद मेडिकल कॉलेज लुधियाना के डॉ. तनवीर सिंह, एम्स बठिण्डा के डॉ. मयंक गुप, एम्स दिल्ली के डॉ. मृत्युंजय कुमार, महात्मा गांधी मेडिकल कॉलेज

जयपुर के डॉ. आकाश मिश्रा और एम्स जोधपुर के डॉ. अखिल गोयल ने महत्वपूर्ण विषयों पर व्याख्यान दिए। कार्यक्रम के अध्यक्ष डॉ. प्रदीप भाटिया और सह-अध्यक्ष डॉ. मनोज कमल ने बताया कि यह सत्र प्रतिभागियों के शोध कार्य सफलतापूर्वक पूरा करने में सहायक होगा। सचिव डॉ. स्वाति छाबड़ा, सह सचिव डॉ. सादिक मोहम्मद और समिति के सदस्य डॉ. भरत पालीवाल, डॉ. राकेश कुमार, एम्स जोधपुर के डॉ. निखिल कोठारी, डॉ. एसएन मेडिकल कॉलेज की डॉ. सरिता जनवेजा, डॉ. राकेश कर्नावट, डॉ. गीता सिंगारिया और डॉ. फतेह सिंह भाटी का विशेष योगदान रहा।

## एम्स में लाइव सर्जिकल कोर्स का समापन

**पत्रिका @ जोधपुर.** अखिल भारतीय आयुर्विज्ञान संस्थान (एम्स) जोधपुर के कान, नाक व गला रोग (ईएनटी) और एनाटोमी विभाग की ओर से चार दिवसीय लाइव सर्जिकल कोर्स का समापन रविवार को हुआ।

इसमें सिर व गर्दन की सर्जरी, राइनोप्लास्टी, फैशल प्लास्टिक्स पर लाइव सर्जिकल और हैंड्स ऑन केडावरिक डिसेक्शन के बारे में बताया गया। नाक के



परदे की बनावट, कान के बाहरी रूप की बनावट, राइनोप्लास्टी के लिए विभिन्न टांकों और पाए जाने वाली जटिलताओं की जानकारी दी गई।

एम्स जोधपुर में ईएनटी विभाग के अतिरिक्त प्रोफेसर डॉ.

कपिल सोनी और एम्स दिल्ली में ईएनटी विभाग के प्रोफेसर डॉ. राकेश कुमार ने राइनोप्लास्टी में विभिन्न तरीकों, तकनीक, चेहरों के घाव भरने के लिए चामरी का उपयोग केडेवर पर उदाहरण देकर समझाया।



राजस्थान पत्रिका

जोधपुर, रविवार, 17 सितम्बर, 2023

CITY BOOK

सिरोही जिले के आदिवासी क्षेत्रों में तीव्र गति से फैल रहा है, वापसी में सैपल लेकर लौटा ड्रोन

# एम्स जोधपुर ने की ड्रोन से दवाइयों की डिलिवरी

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**जोधपुर.** आखिल भारतीय आयुर्विज्ञान संस्थान (एम्स) जोधपुर की ओर से शनिवार को स्वास्थ्य के क्षेत्र में एक और बेहतर प्रयोग देखने को मिला। सिरोही के दूरस्थ आदिवासी क्षेत्रों में ड्रोन से दवाइयों की डिलिवरी की गई। वापसी में ड्रोन मरीज के सैपल लेकर लौटा। सामान्यतः मरीज को जहां इस कार्य के लिए डेढ़ घंटे का समय लगता



था, ड्रोन ने 40 मिनट में दवाइयों की आपूर्ति कर दी।

एम्स जोधपुर के अधीन जनजातीय स्वास्थ्य एवं अनुसंधान

केन्द्र (एसटीएचआर) का संचालन किया जा रहा है। एसटीएचआर आबू रोड सेंटर से एक ड्रोन उड़ान भर कर वालोरिया ग्राम पंचायत के अरणुआ गांव पहुंचा। दवाइयों से भरे बाक्स को केन्द्र से 50 किलोमीटर की दूरी पर भेजा गया। वहां से सम्भावित टीबी रोगियों के बलगाम के सैपल लेकर वापस लौटा। इस पूरी प्रक्रिया को सड़क मार्ग की तुलना में एक तिहाई से भी कम का समय लगा। वालोरिया ग्राम पंचायत के अरणुआ गांव तक रोड की व्यवस्था

नहीं है और मरीजों को आने जाने में एक से डेढ़ घंटे का समय लगता है जबकि ड्रोन ने केन्द्र से 40 मिनट में ही आने जाने दोनों की दूरी तय की। कार्यक्रम में एम्स के कार्यकारी निदेशक डॉ. माधवानंद कर, जनजातीय कार्य मंत्रालय के संयुक्त सचिव नवलजीत कपूर, एम्स के डिप्टी डायरेक्टर (प्रशासन) मनु मनीष गुप्ता, सिरोही के जिला अधिकारी डॉ. भंवरलाल, आबूरोड एसडीएम सिद्धार्थ पालानीचामी उपस्थित रहे।

# एम्स की मिड टर्म सीएमई में जुटे देशभर के विशेषज्ञ, बोले- पल्मोनरी मेडिसिन, पीएमआर व इमरजेंसी मेडिसिन को एमबीबीएस कोर्स से हटाना गलत, इससे स्टूडेंट्स को नुकसान

प्रोग्राम में एनएमसी नई गाइड लाइन का विरोध हुआ, डाक्टर्स ने सुझाव भी दिए

हेल्थ रिपोर्टर | जोधपुर



डॉ. आरुण श्रीवास्तव

मिडिलेरी मेडिसिन और रिहैबिलिटेशन (पीएमआर) विभाग द्वारा आयोजित 4 दिवसीय मिडटर्म सीएमई के अंतिम दिन देशभर के विशेषज्ञों ने एनएमसी की नई गाइडलाइन के खिलाफ विरोध दर्ज कराया। पूर्व डायरेक्टर जमल हेल्थ सर्विसेज और पूर्व एमसीआई चैयरमैन डॉ. आरुण श्रीवास्तव ने बताया कि एनएमसी के द्वारा पल्मोनरी मेडिसिन, पीएमआर और इमरजेंसी मेडिसिन को यूजी कोर्स से हटा दिया गया है, तीनों ही विषय वर्तमान में बहुत जरूरी हैं। पीएमआर विभाग की जरूरत बताते हुए उन्होंने कहा कि भविष्य में पूरे देश में बुजुर्गों की संख्या बढ़ेगी।

70% बीमारियों का ना मूल कारण पता होता है ना पूर्ण इलाज, इनके लिए जरूरी पीएमआर : डॉ. अजय गुप्ता

आईपीएमआर अध्यक्ष डॉ. अजय गुप्ता ने कहा कि व्यक्ति विशेष को होने वाली 70 प्रतिशत बीमारी ऐसी होती है, जिसका मूल कारण पता नहीं होता। इन बीमारियों का पूर्ण इलाज भी नहीं हो पाता है। ऐसी बीमारी के मरीजों के लिए जरूरी है पीएमआर विभाग। यह विभागों में तालमेल कर मरीज को इलाज के नजदीक पहुंचाता है। कई बीमारियों को पूर्ण सही कर देता है। अध्यक्ष डॉ. गुप्ता ने कहा कि पीएमआर विभाग बहुत जरूरी है। लेकिन भविष्य में यह संभव नहीं हो पाएगा। क्योंकि एनएमसी ने यूजी टीचिंग से पीएमआर विषय के डॉक्टरों की अनिवार्यता ही खत्म कर दी है। जबकि पूरे विश्व में फिजिकल मेडिसिन और रिहैबिलिटेशन की जरूरत पर जोर दिया जा रहा है। एमबीबीएस पढ़ रहे स्टूडेंट्स की पढ़ाई के लिए 40 टॉपिक और 2 हफ्ते की क्लिनिकल प्रैक्टिस कवरई जाती है। अब पढ़ाई में यह टॉपिक है, लेकिन इनको पढ़ने वाले विशेषज्ञ नहीं होंगे। इसके खिलाफ एम्स में हुई एजीक्यूटिव मीटिंग में भी पदाधिकारियों ने केंद्रीय चिकित्सा मंत्री और एनएमसी को लिखे विरोध पत्र के बारे में चर्चा की।



यूजी में सखोवट ही नहीं होगा तो पीजी की रुचि खत्म हो जाएगी : डॉ. संजय पांडे

आईपीएमआर के सचिव डॉ. संजय पांडे ने बताया कि देश में करीब 706 मेडिकल कॉलेज हैं। इनमें 305 प्राइवेट मेडिकल संकायी और 305 प्राइवेट मेडिकल कॉलेज हैं। इनमें से करीब 30 मेडिकल कॉलेज ऐसे हैं, जहां एमडी पीएमआर की पढ़ाई कवरई जाती है। पूरे देश में 116 सीटें हैं, जो भविष्य में संभव है कि खाली रहें। एनएमसी ने यूजी से पढ़ाने वालों को हटाया। अब बच्चों को पढ़ाने नहीं तो एनएमसी ने जो इंपट तैयार किया था उसमें पीएमआर की अनिवार्यता रखी गई थी। सभी संबंधित स्टेक होल्डर से सुझाव मांगे थे। लेकिन जब फाइनल ड्राफ्ट आया, उसमें पीएमआर की अनिवार्यता को खत्म कर दिया गया।

वर्कशॉप में 36 विषयों पर दी जानकारी

एम्स पीएमआर विभाग के विभागाध्यक्ष व आयोजन सचिव डॉ. रवि गौड़ ने बताया कि इस तरह की कॉर्नेस पहली बार हुई इसमें 7 रिस्कल बेड वर्कशॉप कराई गई। जिसमें 150 से अधिक रेजिडेंट्स ने भाग लिया। जिसमें पेन, लकवा, ट्रॉमिक पेन इजरी आदि के बारे में बताया गया। पूरी कॉर्नेस में 36 विषयों पर अलग-अलग विषय विशेषज्ञों ने अपने अनुभव साझा किए।



## एम्स जोधपुर ने मनाया रोगी सुरक्षा दिवस



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जोधपुर. अखिल भारतीय आयुर्विज्ञान संस्थान (एम्स) जोधपुर में हर वर्ष की भांति इस बार भी रविवार को रोगी सुरक्षा दिवस मनाया गया। इस मौके पर एम्स की ओर से मरीजों के वीडियो संदेश जारी किया गया। चर्म रोग विभाग के रेजिडेंट डॉक्टरों की ओर से एक लघु नाटिका का मंचन किया गया।

गौरतलब है कि शोध के अनुसार हर 10 मरीजों में से एक मरीज इलाज के दौरान हुई अनजानी भूल का शिकार हो जाता है। अगर समय पर ध्यान दिया जाए तो आधी से ज्यादा कमियों को दूर किया जा सकता है। एम्स के कार्यकारी निदेशक डॉ



माधवानन्द कर और अन्य डॉक्टरों ने मरीजों के नाम वीडियो संदेश जारी किया। डॉ कर ने कहा कि डॉक्टर ने जो दवाई लिखी है, उसे समझकर स्वास्थ्य से जुड़े निर्णयों में भागीदार बनने। डीन (शैक्षिक) डॉ कुलदीप सिंह, डॉ महेन्द्र कुमार गर्ग (अस्पताल अधीक्षक), डॉ सुरेश कुमार शर्मा (प्राचार्य, नर्सिंग कालेज), डॉ

अरविंद सिन्हा, डॉ पंकज भारद्वाज (शैक्षिक प्रमुख, स्कूल ऑफ पब्लिक हेल्थ), डॉ तनुज कंचन (डीन, रिसर्च), डॉ स्नेहा अम्बवानी, डॉ जगदीश गोयल, डॉ अभिषेक भारद्वाज, डॉ बिनित सुरेका, डॉ नवदीप कौर घुमन, डॉ जयकरण चारण और डॉ रिपल जीत कौर ने भी वीडियो संदेश में अपने विचार रखे।

#AIIMSJodhpur: पहली बार 2012 व 2013 बैच की एलुमिनी मीट का आयोजन

## एम्स जोधपुर ने मनाया स्थापना दिवस



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जोधपुर. अखिल भारतीय आयुर्विज्ञान संस्थान (एम्स) ने रविवार को अपना 11वां स्थापना दिवस मनाया। इस मौके पर कई कार्यक्रम आयोजित किए गए। एम्स की स्थापना 2012 में हुई थी।

स्थापना दिन की शुरुआत 2012 और 2013 बैच के पूर्व छात्रों और संकायों के बीच अनौपचारिक खेल गतिविधियों के साथ हुई। इसके बाद एम्स के कार्यकारी निदेशक डॉ माधवानंद कर के नेतृत्व में परिसर में पौधरोपण किया गया। इसी कड़ी में दुनिया भर के छात्रों और पूर्व छात्रों के लिए एक हेंड होल्डिंग सत्र का आयोजन डीन (शैक्षणिक) डॉ कुलदीप सिंह की ओर से किया गया। दोपहर में सभागार में वार्षिक खेल आयोजन 'तेजस' का पुरस्कार वितरण समारोह रखा गया, जिसमें एमबीबीएस बैचों के विजेताओं और विजेता टीमों को सम्मानित



### एम्स में पहली बार हुई एलुमिनी मीट

एम्स जोधपुर में बीती शाम पहली बार वर्ष 2012 और 2013 बैच की एलुमिनी मीट का आयोजन किया गया। कार्यकारी निदेशक डॉ माधवानंद कर ने अपने भाषण में कहा कि पूर्व छात्रों की बैठक संस्थान के लिए दृष्टिकोण का एक अभिन्न अंग है। इससे न केवल हमें अपने पूर्व छात्रों के साथ अच्छे से जुड़े रहने में सुविधा होगी बल्कि पारस्परिक लाभ

भी होगा। कार्यक्रम को डॉ कुलदीप सिंह, डीन (स्टूडेंट वेलफेयर) डॉ अभय एल्लेंस ने संबोधित किया। कार्यक्रम का मुख्य आकर्षण आकांक्षा संस्थान के डॉ. विकास कपूर और उनके समूह की ओर से नादिरा बख्श द्वारा लिखित एक विशेष नाटक 'जी, जैसी आपकी मर्जी' था। इसके बाद छात्रों के रॉक बैंड 'क्रेनियम' की जोरदार प्रस्तुति हुई, जिसका सभी ने

भरपूर आनंद लिया। एमबीबीएस छात्रों द्वारा संगीतमय नाटक के माध्यम से छात्र जीवन के पुराने पलों का संग्रह प्रस्तुत किया गया। इसके बाद कार्यकारी निदेशक महोदय और संकाय सदस्यों के साथ पूर्व छात्रों की एक समूह तस्वीर ली गई। कार्यक्रम का समापन डीन (छात्र कल्याण) के धन्यवाद प्रस्ताव के साथ हुआ।

किया गया। दिन का मुख्य आकर्षण प्रतिष्ठित कथक घराने के

11वीं पीढ़ी के शास्त्रीय नर्तक और कथक महारानी सितारा देवी के

पोते विशाल कुष्णा का स्पिकमैके प्रदर्शन था।

## एम्स में 500 लोगों ने ली अंगदान के प्रति जागरूकता की शपथ



हेल्थ रिपोर्टर | जोधपुर

एम्स में स्वास्थ्य एवं परिवार कल्याण मंत्रालय के आयुष्मान भव कार्यक्रम के तहत अंगदान के प्रति जागरूकता और शपथ कार्यक्रम आयोजित किया गया। इसमें राज्य अंग एवं टिश्यू प्रत्यारोपण संगठन (एसओटीटीओ) के संयुक्त निदेशक डॉ. अमरजीत मेहता और एसएमएस मेडिकल कॉलेज की एसोसिएट प्रोफेसर डॉ. चित्रा सिंह बतौर अतिथि मौजूद थीं। डॉ. मेहता ने मृतक अंगदान की आवश्यकता पर जोर देते हुए कहा कि भारत में मांग और आपूर्ति में भारी अंतर है। हम अन्य देशों की तुलना में बहुत पीछे हैं। हमारी

मृतक अंग प्रत्यारोपण दर सिर्फ .8 प्रति मिलियन जनसंख्या है। डॉ. चित्रा ने ब्रेन स्टेम डेथ और इससे जुड़े मिथकों के बारे में विस्तार से बताया। यूरोलॉजी विभाग के प्रोफेसर व विभागाध्यक्ष डॉ. एस.संभू ने कहा कि एम्स जोधपुर में लाइव किडनी और लिवर प्रत्यारोपण किया जा रहा है। संस्थान जल्द ही कैडवैरिक अंग प्रत्यारोपण शुरू करने की प्रक्रिया में है। कार्यक्रम में मेडिकल और नर्सिंग छात्रों, फैकल्टी व कर्मचारियों सहित लगभग 500 लोगों ने अंगदान जागरूकता की शपथ ली। इस दौरान प्रीति भंडारी द्वारा निर्देशित और लिखित एक लघु फिल्म देहदान-महादान - एक पहल भी दिखाई गई।

## एम्स में विश्व हृदय दिवस पर होगा कार्यक्रम

पत्रिका @ जोधपुर. अखिल भारतीय आयुर्विज्ञान संस्थान (एम्स) जोधपुर के कार्डियोथोरेसिक और वैस्कुलर सर्जरी एवं कार्डियोलॉजी विभाग की ओर से विश्व हृदय दिवस के अवसर पर शुक्रवार को विभिन्न गतिविधियों होगी। सुबह 6 बजे एम्स स्पोर्ट्स कॉम्प्लेक्स से मैराथन होगी, जिसमें सभी फैकल्टी, नर्सिंग अधिकारियों, ग्रुप ए अधिकारियों, प्रशासनिक कर्मचारियों, ग्रुप बी और सी अधिकारियों, मेडिकल और नर्सिंग छात्रों (यूजी और पीजी) और

प्रशिक्षुओं को आमंत्रित किया गया है। कार्यक्रम के तहत सुबह 11 बजे ग्राउंड फ्लोर ओपीडी हॉल में और दोपहर 12 बजे चौथी मंजिल सी ब्लॉक ओपीडी बिल्डिंग में कार्डियोथोरेसिक और वैस्कुलर सर्जरी, कार्डियोलॉजी और एनेस्थीसिया और क्रिटिकल केयर की टीम सीपीआर प्रशिक्षण देगी। दोपहर 2 बजे ग्राउंड फ्लोर ओपीडी हॉल और दोपहर 3 बजे चौथी मंजिल सी ब्लॉक ओपीडी बिल्डिंग में नर्सिंग कॉलेज के छात्र नाटक मंचन करेंगे।



## एम्स आईपीडी कैफेटेरिया में 'मिलेट्स कॉर्नर' शुरू



**पत्रिका @ जोधपुर.** अखिल भारतीय आयुर्विज्ञान संस्थान (एम्स) आईपीडी कैफेटेरिया में श्री-अन्न से बने व्यंजनों को समर्पित अनुभाग

‘मिलेट्स कॉर्नर’ शुरू किया गया। शनिवार को इसका एम्स के चिकित्सा अधीक्षक डॉ. एमके गर्ग ने विधिवत उद्घाटन किया।

## एम्स में एंटीबायोटिक रेजिस्टेंस पर कार्यक्रम



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जोधपुर एम्स जोधपुर और सोसाइटी ऑफ एंटीबायोटिक्स स्टीवर्डशिप प्रैक्टिसेज इन इंडिया के सहयोग से जिम्मेदार एंटीबायोटिक उपयोग प्रबंधन पर तीन दिवसीय कार्यक्रम एएसपीआईसीओएन: 2023 का आयोजन किया गया। कार्यक्रम में लगातार बढ़ रहे एंटीबायोटिक रेजिस्टेंस पर चिंता जताई गई। आयोजक सचिव डॉ. दीपक कुमार ने बताया कि कार्यक्रम में देश के सभी क्षेत्रों से लगभग 300 डॉक्टरों ने भाग लिया। इसका प्रारंभिक उद्देश्य रोगाणुरोधी प्रबंधन के बारे में ज्ञान और जागरूकता



बढ़ाना, जिम्मेदार एंटीबायोटिक उपयोग के बारे में स्वास्थ्य पेशेवरों को शिक्षित करना था। पूरे आयोजन के दौरान, विशेषज्ञ रचनात्मक चर्चा में लगे रहे। एंटीबायोटिक रेजिस्टेंस सम्बन्धित मौजूदा चुनौतियों पर

विचार-मंथन करते रहे। एएसपीआईसीओएन: 2023 ने रोगाणुरोधी प्रबंधन के क्षेत्र में अग्रणी विशेषज्ञों और चिकित्सकों को इकट्ठा करने के लिए एक महत्वपूर्ण मंच के रूप में कार्य किया।

## राजस्थान पत्रिका

जोधपुर, शुक्रवार, 06 अक्टूबर, 2023

# विश्व के टॉप-3 शोधकर्ता में एम्स जोधपुर के तीन डॉक्टर

पत्रिका @ जोधपुर. एंलसीविडियर (स्क्रेपस) की ओर से विश्व के चुने हुए टॉप-2 शोधकर्ताओं की सूची जारी की गई है, जिसमें एम्स जोधपुर के तीन चिकित्सक भी शामिल किए गए हैं। इसमें एम्स के डीन अनुसंधान डॉ. तनुज कंचन, वाइस डीन अनुसंधान डॉ. पंकज भारद्वाज और उप डीन अनुसंधान डॉ. जयकरण चारण शामिल हैं। गौरतलब है कि तीनों ही चिकित्सकों को संस्थान के अनुसंधान अनुभाग का अतिरिक्त कार्यभार दिया गया है। वर्तमान में एम्स जोधपुर के कार्यकारी निदेशक डॉ. माधवानन्द

कर के मार्गदर्शन में अनुसंधान अनुभाग मानव नैतिकता के सिद्धांतों का पालन करते हुए गुणवत्तापूर्ण अनुसंधान के लिए प्रतिबद्ध है।

फॉर्मिकोलाजी के अतिरिक्त आचार्य डॉ. चारण ने 200 से अधिक शोधपत्र प्रकाशित किए हैं। डॉ. चारण का विशेष शोध फॉर्मिकोएपिडिमियोलॉजी, क्लिनिकल ट्राइल व रोगी सुरक्षा के क्षेत्र में है।

डॉ. जयकरण चारण

फोरेन्सिक मेडिसिन विभाग के प्रोफेसर व विभागाध्यक्ष डॉ. कंचन के 500 से अधिक शोधपत्र प्रकाशित हो चुके हैं। पूर्व में डॉ. कंचन जर्नल ऑफ इण्डियन एकेडमी ऑफ फोरेन्सिक चीफ एडिटर रहे हैं।

डॉ. तनुज कंचन

सामुदायिक चिकित्सा एवं परिवार चिकित्सा में प्रोफेसर व स्कूल ऑफ पब्लिक हेल्थ के अध्यक्ष हैं। डॉ. भारद्वाज के 200 से अधिक शोधपत्र प्रकाशित हो चुके हैं।

डॉ. पंकज भारद्वाज



## एम्स में कॉक्लियर इंप्लांट से 200+ बच्चों की श्रवण शक्ति लौटी, आज माता-पिता संग बांटेंगे अपने अनुभव

जोधपुर | तस्वीर में दिख रहा बच्चा तनिष्क है। जन्म के 3-4 माह बाद माता-पिता को पता चला कि वह सुन नहीं सकता। मां-बाप के बुलाने, फोन बजने, किसी चीज के गिरने यहाँ तक कि शादी में डीजे की आवाज से भी वह कोई हलचल नहीं करता। पिता विनोद ने बताया कि जब परिजनों को पहली बार तनिष्क के नहीं सुनने के बारे में बताया तो उनका कहना था कि उम्र छोटी होने के कारण अभी कुछ कह नहीं सकते, शायद बड़ा होकर सुनने लगेगा, लेकिन मुझे डर था कि अगर वह सुनेगा नहीं तो बोलेगा भी नहीं। जैसे-जैसे वह बड़ा हुआ मेरा संदेह पक्का हो गया कि वह कुछ नहीं सुन पा रहा। मैंने

बिना किसी के सुने उसकी जांच करवाई तो सामने आया कि जन्म से ही उसमें सुनने की शक्ति नहीं है। फिर हमने उसे एम्स में दिखाया। यहाँ ईएनटी के डॉक्टरों ने विश्वास दिलाया कि एक ऑपरेशन से तनिष्क सुनने लगेगा। मैं तुरंत तैयार हो गया। डॉक्टरों ने कॉक्लियर इंप्लांट सर्जरी की। यह ऑपरेशन 13 माह की उम्र में हुआ। कुछ समय बाद ही वह सुनने लगा। दूसरे बच्चों में घुलने-मिलने लगा। यह देख मेरे परिवार में खुशी लौट आई।

एम्स जोधपुर में तनिष्क की तरह ही 200 से अधिक बच्चों की कॉक्लियर इंप्लांट सर्जरी हो चुकी है। जिसके बाद उनकी सुनने

के शक्ति लौट आई। ईएनटी विभाग के डॉ. अमित ने बताया कि जितनी जल्दी यह ऑपरेशन होता है उतनी जल्दी और अच्छे रिजल्ट प्राप्त होते हैं। कॉक्लियर इंप्लांट के लिए 5 साल तक की उम्र में ऑपरेशन कराना चाहिए। सबसे सही उम्र तो एक साल के अंदर ही होती है। चिरंजीवी जैसी सरकारी योजनाओं में ये ऑपरेशन एकदम निशुल्क किए जा रहे हैं। शनिवार को एम्स में ऐसे ही बच्चों के लिए एक कार्यक्रम का आयोजन किया जाएगा। जिसमें कॉक्लियर इंप्लांट करवा चुके बच्चों को परिवार के साथ बुलाया गया है। कार्यक्रम में परिजन व बच्चे अपने अनुभव शेयर करेंगे।



## एम्स जोधपुर ने किया 81 देहदाताओं के परिजनों का सम्मान परमार्थ के उद्देश्य से किया हर काम सत्य ही माना जाता है: जस्टिस माथुर

हेल्थ रिपोर्टर, जोधपुर

जोधपुर एम्स के एनाटॉमी विभाग द्वारा रविवार को देहदानी परिवारों का सम्मान किया गया। समारोह में मुख्य अतिथि जस्टिस विनीत कुमार माथुर ने 81 देहदानियों के परिवार को मानव सेवा सम्मान दिया। जस्टिस माथुर ने कहा कि परमार्थ के उद्देश्य से जो भी कार्य किया जाता है उसे सत्य ही माना जाता है। वह पुण्य फल ही देता है। इसलिए मनुष्य का कर्तव्य है कि परमार्थ के इस कार्य में आने वाली दुविधा व संकोच को नजरअंदाज कर देहदान के लिए आगे आए।

एम्स के कार्यवाहक कार्यकारी निदेशक डॉ. माधवानंद कर ने कहा कि संस्थान सदैव देहदानियों



के प्रति ऋणी रहेगा। हमें समाज में देहदान की भांतियों को दूर करना होगा क्योंकि देहदान का अर्थ है किसी उत्तम कार्य के लिये अपना जीवन और जीवन उपरान्त भी समाज कल्याण के लिये अपने आप को समर्पित करना है। एनाटॉमी के विभागाध्यक्ष डॉ. सुरजीत घटक ने देहदानी परिवारों का सादर नमन करते हुए कहा कि

किसी विचार अथवा व्यक्ति से प्रेरित हो देहदान का संकल्प ले लेना सरल है, किन्तु उस संकल्प की पूर्ति अत्यन्त कठिन है। एम्स में अब तक 165 देहदान हो चुके हैं और 329 व्यक्तियों ने देहदान के लिए संकल्प पत्र भरा है। समारोह में संयोजक एवं काउंसलर मनोज मेहता ने भी संबोधित किया।

## लकवा, कैंसर, हृदय, फेफड़े और किडनी रोग में पैलिएटिव केयर जरूरी : डॉ. भाटिया

एम्स और एमडीएमएच में मनाया वर्ल्ड हॉस्पिटल एवं पैलिएटिव केयर दिवस

जोधपुर | अक्टूबर के दूसरे शनिवार को एम्स और एमडीएमएच में वर्ल्ड हॉस्पिटल एवं पैलिएटिव केयर दिवस मनाया गया। एनेस्थिसिया एवं क्रिटिकल केयर के विभागाध्यक्ष डॉ. प्रदीप भाटिया ने कहा कि लकवा, कैंसर, हृदय, फेफड़े एवं किडनी रोग में पैलिएटिव केयर जरूरी है। ऐसे मरीजों की देखभाल के लिए घर ही सबसे उपयुक्त स्थान है। डॉ. मनोज कमल ने कहा कि विभाग द्वारा घर-घर जाकर पैलिएटिव केयर

सुविधा प्रदान की जा रही है। कम्युनिटी मेडिसिन विभाग के डॉ. श्रीकांत श्रीनिवासन ने कहा कि आमजन भी पैलिएटिव केयर में अपनी अहम भूमिका निभा सकते हैं। एम्स में लघु नाटक का मंचन भी किया गया।

एमडीएमएच में एनेस्थिसिया विभाग की सीनियर प्रोफेसर डॉ. गीता सिंगारिया ने कहा कि आमजन को लगता है कि पैलिएटिव केयर केवल कैंसर जैसे गंभीर बीमारी के मरीजों के

लिए होता है, लेकिन ऐसा नहीं है। पैलिएटिव केयर विशेष तरह के मरीजों की देखभाल है, जिसमें बीमारी का पता चलते ही मरीज की शारीरिक तकलीफों के साथ-साथ उनकी मानसिक समस्याओं से भी राहत दी जा सकती है। उनके जीवन की गुणवत्ता बढ़ाते हुए उनको यथा संभव आत्मनिर्भर बनाना होता है। स्टूडेंट्स द्वारा बनाए गए पोस्टर में बेस्ट पोस्टर को एनेस्थिसिया विभागाध्यक्ष डॉ. सरिता जनवेजा ने पुरस्कृत किया।

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एक बर्हिमता अभिलेखी नेचम के  
 दोहरो के 36 बाबू चुनके की छली में  
 बैस के सब निकलकर सब बर्हिमता  
 निरुपकाव्य हो, नेचमका होखने में  
 कायम के जेबेसु निरुपका होखी लेन  
 बाबूने पहले छली में दई और बाबूने ब  
 सांस की निकलल लेबर औरीदो में अजरा  
 मीठी लेबर में मारने अपस की बर्हिमता  
 में बैस के सब बर्हिमता दो छली में  
 हूँ को। सब छली के दबीं सब छली में  
 बाबू छली में की करी मार भरा सब  
 और छली में बाबू निकल चुनरी की।  
 सब चुनरी चुनरी की। इनने कायम मीठ  
 का दया केबुन छली लाम में निरुपका  
 थ और हई में सब की बाबू नेचम  
 निरुपका हूँ बा। बाबू नेचम की अजरा  
 निरुपका हूँ बा।



औद्योगिक के दौरान इन्हें फसलियों की जड़ों काटने/चूर करने की श्रेष्ठ सहाय

**इन्होंने किये प्रसिद्धात्मान** औरंगजेब ने डॉ. निरंजन के साथ में सर्वप्रथम ऑक्जोलेनिय विज्ञान के डॉ. भद्रेश्वर पुरोष, डॉ. निरंजन शर्मा, रवीन्द्र प्रजपत डॉ. निरंजन शर्मा, डॉ. अरवि, डॉ. निरंजन शर्मा ने।  
**ऐसेहीसिद्ध विद्वानगण** डॉ. प्रदीप शर्मा, डॉ. विष्णु शर्मा, रवीन्द्र प्रजपत डॉ. वेणु, रवीन्द्र प्रजपत शर्मा व प्रेम ने सहयोग किया।

ऑपरेशन जटिल था, मरीज को प्रति मिनट चार लीटर ऑक्सीजन की जरूरत थी

है, विमर्श में बाबाजी कि मरीज को हाथी की बायोमैमि में बैसा की पुष्टि के बाद कोमोरोसोरी देने का विचार किया, लेकिन मरीज को हाथी नज्जु की काला कि मरीज को 4 होटर की मिन्ट ऑर्मीशन को जल्दत ही ऑपरेशन से सम्मथ ठगवा का, ऑपरेशन के दौरान हाथी को अउ पारसीली से मेडिकलन सत्रन को कवरन, हाई, धुन को बड़ी नसे को विनय व हाथ उठा जाती है, उनसे बायोमैमि से विमोक्षण काले, हाई को डिग्री को निम्नकतन, हाथी के जमर को बल्लन को भी निम्नता। कमी 4 किन्ते हाथी की हाथ को मोंड धातुवाहकपुष्प निम्नता।

**मरीज 9 दिन की निगरानी के बाद डिस्चार्ज**

ऑपरेशन के बाद छाती से निकली रक्तस्रावी की जगह टाइटेनियम प्लेट, प्रोटीन पैथ (प्याली) लगाकर रोकें। घायल की कमर पीठ व छाती की तरफ से मजबूत प्लांन को लगाकर डिस्टेंड हो करवा दिया। करीब 10 घंटे चले ऑपरेशन के बाद मरीज पूरी तरह स्वस्थ है। 9 दिन के बाद टाइटेनियम की अस्प्रेड को डिस्चार्ज कर दिया गया।

## एम्स ने मनाया ट्रोगा दिवस

पत्रिका @ जोधपुर. एम्स जोधपुर के कम्यूनिटी एण्ड फैमिली डिपार्टमेंट की ओर से मंगलवार को विश्व ट्रोमा दिवस मनाया गया। विभागाध्यक्ष डॉ. पंकजा राघव और प्रो. नीति रस्तोगी ने बताया कि विश्व ट्रोमा दिवस की इस साल की थीम अपनी आवाज को सशक्त करना, मिलकर घावों को भरना रखा गया था। इसके चलते एम्स में जागरूकता कार्यक्रम हुआ। एम्स के कार्यकारी निदेशक डॉ. माधवानंद कर ने हॉलिस्टिक ट्रोमा केयर एप्रोच के बारे में बताया। पुलिस से आए अधिकारियों ने भी ट्रोमा



रोकने के लिए मिलकर प्रयास करने की बात कही। ऐसी कोई घटना होने पर व्यक्ति के अधिकारों के बारे में भी बताया। डॉ. महावीर, डॉ. भरत, डॉ. प्रकाश, डॉ. दीपक झा ने दुर्घटना पीड़ितों से संबंधित कई अहम पहलुओं पर जागरूक किया।



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जोधपुर, शुक्रवार, 20 अक्टूबर 2023

#JodhpurAIIMS: टीबी से खराब हुई मरीज की मूत्र नली को बदला, किडनी बचाई

# एम्स के डॉक्टरों ने छोटी आंत से बनाई मरीज की मूत्रनली

रोबोटिक सर्जरी से किया कमाल

सिटी रिपोर्टर patrika.com

जोधपुर. अखिल भारतीय आयुर्विज्ञान संस्थान (एम्स) के डॉक्टरों ने टीबी से खराब हुई एक मरीज की मूत्र नली का छोटी आंत के जरिए निर्माण करके किडनी बचा ली। मरीज अब सामान्य है। डॉक्टरों ने रोबोटिक विधि से यह सर्जरी की, जिससे



मूत्रनली टीबी की बीमारी की वजह से पूर्णतया खराब मिली।

डॉक्टरों ने छोटी आंत का उपयोग करके नई मूत्रनली का निर्माण किया

मरीज तेजी से स्वस्थ हो गया। एम्स के यूरोलॉजी विभाग में जालोर निवासी 25 वर्षीय युवती की दायाँ मूत्रनली टीबी की बीमारी की वजह से पूर्णतया खराब मिली। मरीज का गुर्दा बचाने की लिए सबसे पहले गुर्दे में नली डाली गई। जोच में टीबी की पुष्टि होने पर टीबी की दवाएं शुरू की गई। पांच महीने तक दवा देने के बाद पुनः जांच करने पर मूत्र की नली गुर्दे से लेकर मूत्राशय तक खराब पाई मिली। यूरोलॉजी के विभागाध्यक्ष डॉ. अजुन सिंह संशु

ने मरीज की सहमति से रोबोटिक सर्जरी प्लान की। डॉक्टरों ने रोबोट के जरिए 8 मिमी के 4 छेद किए। छोटी आंत का उपयोग करके नई मूत्रनली का निर्माण किया गया। यह नली गुर्दे से मूत्राशय तक विकसित की गई। रोबोटिक विधि से इस जटिल ऑपरेशन करने से मरीज जल्दी ही स्वस्थ हो गया एवं शीघ्र ही अस्पताल से छुटी दे दी गई। नई मूत्रनली अच्छा काम कर रही है। यूरोलॉजी विभाग नियमित रूप से मिनिमल इन्वेसिव तकनीकी

(रोबोटिक व लेपरोस्कोपिक) द्वारा गुर्दे मूत्रनली, मूत्राशय के कैंसर एवं अन्य विकारों का ऑपरेशन कर रहा है। ऑपरेशन टीम में डॉ. संशु के अलावा डॉ. महेंद्र सिंह, डॉ. दीपक प्रकाश भिरुड, डॉ. गौतम राम चौधरी, डॉ. शिव चरण नावरिया, डॉ. जीना, सर्जिकल गेस्ट्रोएन्टेरोलॉजी के डॉ. सुभाष सोनी, एनस्थेसिया विभागाध्यक्ष डॉ. प्रदीप भाटिया, डॉ. सुगंधी एवं वरिष्ठ सैनिटर अधिकारी संतोष कुरी, गोविंद, रवि एवं रामजीवन का सहयोग रहा।

एम्स में चार दिवसीय ट्रोपेकॉन 2023 का आगाज

## रोगों की पहचान और नियंत्रण पर मंथन



पत्रिका

सिटी रिपोर्टर  
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**जोधपुर.** इंडियन एकेडमी ऑफ ट्रोपिकल पैरासिटोलॉजी का ट्रोपेकॉन: 2023 का चार दिवसीय 17वां राष्ट्रीय सम्मेलन गुरुवार से एम्स जोधपुर में शुरू हुआ।

एम्स के माइक्रोबायोलॉजी विभाग की ओर से आयोजित सम्मेलन के पहले दिन प्री कॉन्फ्रेंस वर्कशॉप आयोजित की गई। इसमें तीन अलग-अलग विषय रखे गए। आयोजन अध्यक्ष डॉ. विजया लक्ष्मी

नाग और आयोजन सचिव डॉ. विभोर टाक ने बताया कि पहली वर्कशॉप का विषय 'मेडिकल एंटोमोलॉजी: पहचान और नियंत्रण का दृष्टिकोण' था। इसका संचालन पीजीआईएमईआर चंडीगढ़ के डॉ. सुमिता खुराना, डॉ. अभिषेक मेवाडा, डॉ. तरुना कौरा और एम्स जोधपुर के डॉ. श्रीकांत श्रीनिवासन ने किया।

इसमें मच्छर और कीटों से फैलने वाले रोग व रोकथाम की जानकारी दी गई। दूसरी वर्कशॉप 'कोक्सीडियन पैरासाइट और साइल

ट्रांसमिटेड हेलमिथ्स का लेबोरेट्री डायग्नोसिस' पर थी। इसका संचालन जेआईपीएमईआर पुदुचेरी के डॉ. राकेश सिंह और डॉ. नोनिका राजकुमारी ने किया। तीसरी वर्कशॉप 'पैरासिटिक रोगों का क्लिनिकल मैनेजमेंट' पर थी। इसमें एम्स जोधपुर के डॉ. गोपाल कृष्ण बोहरा, डॉ. दीपक कुमार, डॉ. दुर्गा शंकर मीना, डॉ. नरेश मिर्धा, डॉ. मोनिका चौधरी, डॉ. तेजस्वी के, डॉ. नीता टीआर, डॉ. भुवनेश, डॉ. संधानम और डॉ. यश खटोड़ ने संचालन किया।



## मच्छर जनित रोगों पर चर्चा, उपाय सुझाए

एम्स में इंडियन एकेडमी ऑफ ट्रोपिकल पैरासिटोलॉजी की कांफ्रेंस शुरू

हेल्थ रिपोर्टर | जोधपुर

एम्स माइक्रोबायोलॉजी विभाग की ओर से तीन दिवसीय 17वीं नेशनल कॉन्फ्रेंस का आयोजन किया जा रहा है। अध्यक्ष डॉ. विजय लक्ष्मी नाग और आयोजन सचिव डॉ. विभोर टाक ने बताया कि गुरुवार को प्री कॉन्फ्रेंस वर्कशॉप में तीन अलग-अलग विषयों को शामिल किया।

पहली वर्कशॉप का विषय मेडिकल एंटोमोलॉजी: पहचान और नियंत्रण का दृष्टिकोण था। संचालन प्रीजीआई चंडीगढ़ के डॉ. सुमिता खुराना, डॉ. अभिषेक मेवाड़ा, डॉ. तरुना कौरा और एम्स जोधपुर के डॉ. श्रीकांत

श्रीनिवासन ने किया। इसमें मच्छर और कीटों के द्वारा फैलाए जाने वाले रोगों और उनकी रोकथाम से संबंधित जानकारी दी। दूसरी वर्कशॉप का विषय कोक्सीडियन पैरासाइट और सोइल ट्रांसमिटेड हेलमिंथ्स का लेबोरेट्री डायग्नोसिस था। संचालन जीपमर पिडुचरी के डॉ. राकेश सिंह और डॉ. नोनिका राजकुमारी ने किया। तीसरी वर्कशॉप का टॉपिक पैरासिटिक रोगों का क्लिनिकल मैनेजमेंट था। संचालन एम्स के डॉ. गोपाल कृष्ण बोहरा, डॉ. दुर्गा शंकर मीना, डॉ. नरेश मिधा, डॉ. मोनिका चौधरी, डॉ. तेजस्वी के, डॉ. संथानम और डॉ. यश खटोड़ ने किया।

## एम्स में तुलसी-गिलोय के पौधे वितरित, ओपीडी शुरू

पत्रिका @ जोधपुर. धन्वंतरि जयंती के अवसर पर सोमवार को आयुष विभाग एम्स ने आयुर्वेद के प्रचार प्रसार के लिए कई कार्यक्रम किए। आयुष ओ.पी.डी काउंटर का उद्घाटन एम्स जोधपुर के कार्यकारी निदेशक डॉ. माधवानंद कर ने किया।

इस मौके रोगियों को तुलसी, गिलोय आदि औषधीय पौधे वितरित किए गए। इस अवसर पर प्रदर्शनी लगाई गई, जिसमें विभिन्न प्रकार के अन्न एवं पारिजात, अमलतास, एरंड, गिलोय के उपयोग एवं फायदे की जानकारी दी गई। इसी के साथ घर पर मिलने वाले हल्दी,

धनिया, काली मिर्च इत्यादि मसाले के औषधीय महत्व प्रदर्शनी के माध्यम से बताया गए।

इस अवसर पर एम्स जोधपुर के उपनिदेशक (प्रशासन) मनुमनीष गुप्ता, चिकित्सा अधीक्षक प्रो. एम के गर्ग एवं संकाय अध्यक्ष (शैक्षणिक) डॉ. कुलदीप सिंह, न्यूरो सर्जरी विभागाध्यक्ष डॉ. दीपक झा, संकाय उपाध्यक्ष डॉ. शिल्पी गुप्ता, वरिष्ठ चिकित्सा अधिकारी आयुष डॉ. मीनाक्षी शर्मा, सभी आयुष चिकित्सा अधिकारी मौजूद रहे। इस अवसर पर धन्वंतरि भगवान की पूजा अर्चना की गई।

## एम्स: 8वां आयुर्वेद दिवस मनाया औषधि पौधों के फायदे बताए

150 लोगों को काढ़ा पिलाया, प्रदर्शनी भी लगा जानकारी दी



हेल्थ रिपोर्टर | जोधपुर

आगामी धनवंतरि जयंती के उपलक्ष्य में सोमवार को एम्स आयुष विभाग ने आयुर्वेद के प्रचार प्रसार के लिए विभिन्न कार्यक्रमों का आयोजन किया। आयुष ओपीडी काउंटर का उद्घाटन डॉ. माधवानंद कर ने किया। रोगियों को औषधीय पौधों जैसे तुलसी, गिलोय इत्यादि का निशुल्क वितरण किया गया। इस अवसर पर प्रदर्शनी लगाई गई, जिसमें विभिन्न प्रकार के श्री अन्न (मिलट्स) के फायदे बताए गए। साथ ही औषधीय पौधों

जैसे पारिजात, अमलतास, एरंड, गिलोय के उपयोग एवं फायदे की जानकारी दी गई। इसी के साथ घर पर मिलने वाले मसाले जैसे हल्दी, धनिया, काली मिर्च इत्यादि के औषधीय फायदे प्रदर्शनी के माध्यम से बताए गए। आयुर्वेद चिकित्सा शिविर का आयोजन किया गया, जिसमें निशुल्क औषधि एवं काढ़ा वितरित किया गया। इससे 150 लोग लाभान्वित हुए। इस कार्यक्रम में मनुमनीष गुप्ता, प्रो. एमके गर्ग, डॉ. कुलदीप सिंह, डॉ. दीपक झा, डॉ. शिल्पी गुप्ता और डॉ. मीनाक्षी शर्मा सहित कई लोग मौजूद थे।

## एम्स: MBBS स्टूडेंट्स को आयुष भी पढ़ाया, विशेष जड़ी-बूटियों का दिया ज्ञान

आयुर्वेद सप्ताह के तहत एम्स की पहल

हेल्थ रिपोर्टर | जोधपुर

एम्स में एमबीबीएस स्टूडेंट्स को एलोपैथी की पढ़ाई के साथ आयुष की औषधियों का भी अध्ययन कराया जा रहा है। आयुष विभाग द्वारा आयुर्वेद के प्रचार प्रसार के लिए आयुर्वेद सप्ताह मनाया गया। इसके तहत एकीकृत शिक्षण को बढ़ावा देने के लिए एम्स के एमबीबीएस छात्रों को 4 से 10 नवंबर तक आयुष का भी अध्ययन करवाया गया। इसमें स्टूडेंट्स को हर्बल गार्डन में विशेष जड़ी-बूटी एवं उनके वर्गीकरण, रासायनिक संगठन अन्य औषधियों के साथ क्रियाओं, विषाक्तता के अध्ययन कराया।

वरिष्ठ चिकित्सा अधिकारी आयुष डॉ. मीनाक्षी शर्मा, चिकित्सा अधिकारी सिद्धा डॉ. आर शैलजा और चिकित्सा अधिकारी आयुर्वेद डॉ. अंजू भारद्वाज ने विभिन्न औषधियों की चिकित्सीय उपयोगिता की जानकारी दी। इस तरह की पहल छात्रों को चिकित्सा की विभिन्न धाराओं का व्यापक अनुभव प्राप्त करने के लिए आवश्यक है।



एम्स में स्टूडेंट्स को आयुष की शिक्षा देने के लिए 4 से 10 नवंबर तक चलाया गया कार्यक्रम।

### पुष्य नक्षत्र को लेकर एम्स में भी भगवान धन्वंतरी की हुई पूजा

पुष्य नक्षत्र पर आयुष एम्स द्वारा स्वर्ण बिंदु प्राशन का आयोजन हुआ। जन्म से 16 वर्ष तक के 206 बच्चों को स्वर्ण बिंदु प्राशन दिया गया। इस अवसर पर धन्वंतरी भगवान की पूजा अर्चना की गई। रोगियों के लिए आयुर्वेद चिकित्सा शिविर का आयोजन कर निशुल्क औषधि एवं काढ़ा वितरण किया। करीब 150 स्टाफ एवं रोगी लाभान्वित हुए।

### बीएससी नर्सिंग स्टूडेंट्स को भी औषधियों के बारे में दी जानकारी

2023 के बीएससी नर्सिंग छात्राओं को भी औषधियों के बारे में जानकारी दी गई। डॉ. मीनाक्षी शर्मा ने बीमारियों को ठीक करने में औषधीय जड़ी-बूटियों के महत्व को समझाया। डॉ. अंजू भारद्वाज ने छात्राओं को विभिन्न तरीकों से समझाया कि सामान्य बीमारियों के लिए जड़ी-बूटियों का उपयोग कैसे किया जा सकता है।



चिंतितास्य यत्र दोषाद् लिखत  
समय साधनानि यत्र ज्ञानकारी

[illegible]

राजस्थान 4/10/21

[illegible]

छह महीने से परेशान था, लीवर के साथ चिपकी थी, कई अन्य अंग दब गए  
मरीज के पेट से निकाली कटहल-कटू से बड़ी गांठ

## एम्स में की गिनिमली इनवेसिव सर्जरी



जोधपुर अखिल भारतीय  
अभ्युक्तिज्ञान संस्थान (एम्स) जोधपुर  
में पेट हार्ड से परीक्षाएं एक मरीज को  
देहान्ता से बचटाना-बाद में कली बली

क्या है मिनिमल इनवेसिव सर्जरी

लेखन में रीढ़ों की कड़ाकाय से निमित्तल इन्फ्लेन्स कास्टरी की जाति है, जिससे ऑक्सीजन के साथ मरीच को ऑक्सीलोजी को सजान नहीं करला पड़ल। मरीच को अपसजल से कास्टरी जास्टी छुटी ललत जाति है और वा सीधे ही काम पर लौट जात है। थिगिलल इन्फ्लेन्स कास्टरी से बाध काम होत है। यद काम होत है। घास कास्टी बाध पर संभजान का जात। भी काम बाधत है जाजिसे परसजलल ऑक्सीन कास्टी में मरीच को कलत पोषजनी होखी बी।

अलग-अलग तरीके से र  
एडिक्टव। इनको दूर करने में  
इस काम के माध्यम से कम  
अलग-अलग तरीके से एडि  
जगड़ा। इन्होंने हमने न  
नाम देखा है। हमने न  
में एडिक्टव काम, एडिक्टव  
हिटोरफ काम, एडिक्टव  
किया काम, एडिक्टव  
एडिक्टव काम, एडिक्टव  
काम एडिक्टव काम। जो  
देखा काम से जोई ज  
एडिक्टव काम से जोई ज  
हिट संवर्धित किया ज

Diagram of the urinary system. The kidney is shown at the top, connected by the ureter to the bladder at the bottom. Labels include 'ureter' and 'bladder'.



