

ANNUAL REPORT

2021–22

ALL INDIA INSTITUTE OF MEDICAL SCIENCES JODHPUR

सत्यमेव जयते



डॉ. मनसुख मांडविया
Dr. Mansukh Mandaviya
माननीय केंद्रीय मंत्री
Hon'ble Union Minister
स्वास्थ्य एवं परिवार कल्याण और रसायन एवं उर्वरक, भारत सरकार
Health and Family Welfare and Chemicals and Fertilizers, Govt. of India



डॉ. भारती प्रविण पवार
Dr. Bharati Pravin Pawar
माननीय राज्य मंत्री
Hon'ble Minister of State
स्वास्थ्य एवं परिवार कल्याण, भारत सरकार
Health and Family Welfare, Govt. of India

Prof. Sanjeev Misra
MS, MCh, FRCS (Eng.), FRCS (Glasgow),
FICS, FACS (USA), FAMS, FNASc. DSc (hc)
Director & CEO
Prof. of Surgical Oncology

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From the Desk of the Director…

Important achievements during the year 1st April 2021 to 31st March 2022

Since its inception in 2012, AIIMS Jodhpur has been striving for excellence in patient care, academic programs, research and innovation. AIIMS Jodhpur continued to be the first choice among the new AIIMS for students for various courses during the year. A total of 125 MBBS and 75 B.Sc. (Hons.) nursing students were admitted to the institute in the current year. Students also enrolled for various Postgraduate, Super-speciality and PhD programs, including the newly introduced MD-PhD program. The Masters in Medical technology, a joint program undertaken by AIIMS Jodhpur with IIT Jodhpur, also saw students of various disciplines conduct translational research in the institute.The School of Public health, AIIMS Jodhpur recently started an executive program in management and leadership. It is a matter of immense pleasure to share that AIIMS Jodhpur ranked second among all the AIIMS in the country, was rated the topmost medical college in the state of Rajasthan and stood 28th in the overall NIRF rankings for the year 2021.

The year 2021continued to present various unforeseen challenges to the country and the world in terms of the delta wave of the COVID-19 pandemic. The institute stoodresolute in providing the best quality services to this part of the country, both handling the patient load as well as helping the administration in curtailing the pandemic. The institute received various accolades for the swift management of the outbreak of Mucormycosis('Black fungus') by our multidisciplinary team. We were also a part of various trials including WHO's SOLIDARITY trial and studies on the virus and its consequences. AIIMS Jodhpur also developed various devices and solutions to help the fraternity in combating this pandemicand received various patents for the same. Inspite of the COVID-19 pandemic, the institute continued to provide uninterrupted OPD and IPD services including telemedicine and physical approach along with laboratory services to the patients. The number of robotic surgeries conducted in the institute crossed a mark of 1000 during 2021-22. In the wake of the COVID-19 lockdown, the OPD footfall, which had fallen by almost 47% during 2020, saw an increase of 182% during 2021-22. IPD admissions rose by 36%. OT procedures nearly doubled and laboratory services registered an increase of 83%.

The institute mentored and facilitated the establishment of COVID-19 diagnostic labs (Total of 161) in the states of Rajasthan (72 labs) and Gujarat (89 labs). AIIMS Jodhpur also played a vital role in training the manpower of the state of Rajasthan, regarding biosafety and personal protection, so as to deal with the pandemic. The growth of the hospital and campus reached new heights during 2021-22. The institute developed its own BSL-3 laboratory serving as the Regional Referral centre for the VRDL network of the ICMR-DHR, involved in genome sequencing of the SARS-CoV-2 and other viral diseases. The institute expanded its administrative offices by undertaking the construction of a new administrative block in the campus. A new 150-bedded Critical Care Block has also been approved for construction in the coming year.

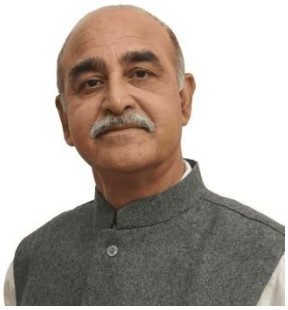
The institute was at the forefront of medical education even during the testing times of the pandemic, imparting online teaching, even during the delta and omicron phases of the pandemic. The institute also imparted online education to other medical colleges of the state of Rajasthan. This online mode of education ensured continuum of educations and the institute was probably the only medical college in the country to hold its examinations of all courses on time. A unique initiative, 'Reverse telemedicine', was also undertaken by the institute to enhance clinical exposure of the students.
The faculty and residents of the institute were globally acknowledged for their research contributions through scientific papers presented at variousnational and international conferences. The creation of Sweden-India Health Hub at AIIMS Jodhpur as well as the cooperation under MoU on Health was announced by the Hon'ble Prime Ministers of India and Sweden during the India-Sweden joint summit. The Indo-Sweden Innovation hub was inaugurated within the premises of the institute in 2021 and has already become a symbol of inter-sectoral collaborative research in the country. The institute is also designated as Centre of Excellence for tribal research under Ministry of Tribal Affairs, the activities of which are continuing in the Sirohi district of the state.
AIIMS Jodhpur is committed to strive for excellence in medical education, research, innovation and patient care under the constant support and able guidance of the Government of India.



Prof. Sanjeev Misra
Director
AIIMS, Jodhpur

Prof. (Dr.) Col CDS Katoch
Executive Director
MD (Medicine),
MD (Pulmonary Medicine)

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Jodhpur – 342005, Rajasthan, India
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From the Desk of the Executive Director…

I feel gratified upon assuming the office of ED AIIMS Jodhpur, Rajasthan. With the goal of correcting regional imbalances in quality tertiary healthcare and to provide excellence in terms of medical education and research, AIIMS, Jodhpur was established by the Ministry of Health & Family welfare, GoI under the PMSSY as one of the six healthcare institutes. Since its inception, AIIMS Jodhpur has a convention of pursuing excellence and has continually thrived itself in rapports of patient care, academic programs, research, innovation and infrastructure development. It continues to make forays into novel territories pertinent to medical education. Students are exposed to stimulating, research-based academics and a plethora of co-curricular activities on its vibrant campus. The institute has ramped up its ICU and in-patient services to meet the constantly increasing healthcare needs of the people of this part of country.

I would like to acknowledge the continued support by the Ministry of Health and Family Welfare, Government of India. I also appreciate the devoted efforts of the Government of Rajasthan and local administration for being reassuring in all our endeavors. AIIMS, Jodhpur is committed to thrive for persistent excellence in future in medical education, research, innovation and patient care under constant support and able guidance of Government of India.

Prof (Dr.) Col CDS Katoch
Executive Director
AIIMS, Jodhpur

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Institutional Bodies

Institute Body

1	**Dr. S. C. Sharma** President of the Institute	
2	**Shri P. P. Chaudhary** Member of Parliament Lok Sabha	
3	**Shri Chandra Prakash Joshi** Member of Parliament Lok Sabha	
4	**Shri Rajendra Gehlot** Member of Parliament Rajya Sabha (from 07th May, 2021)	
5	**Shri Rajesh Bhushan** Secretary Ministry of Health & Family Welfare Government of India	
6 (i)	**Shri Niranjan Kumar Arya** Chief Secretary Government of Rajasthan (till 31st January, 2022)	
6 (ii)	**Smt. Usha Sharma** Chief Secretary Government of Rajasthan (from 01st February, 2022)	

7	**Prof. (Dr.) Sunil Kumar** Director General of Health Services Ministry of Health & Family Welfare Government of India	
8 (i)	**Dr. Dharmendra Singh Gangwar** Addl. Secretary & Financial Adviser Ministry of Health & Family Welfare Government of India (till 06th December, 2021)	
8 (ii)	**Dr. Ashish Srivastava** Addl. Secretary & Financial Adviser Ministry of Health & Family Welfare Government of India (from 20th January, 2022)	
9	**Dr. Hakam Dan Charan** Vice Chancellor, Bikaner Technical University, Bikaner, Rajasthan	
10	**Prof. Santanu Chaudhury** Director Indian Institute of Technology (IIT), Jodhpur, Rajasthan	
11	**Prof. Ashok Kumar Saxena** Former General President Indian Science Congress Association	
12	**Dr. S.S. Agarwal** Past President IMA, Jaipur, Rajasthan	

13	**Dr. Dhananjai Agarwal** Professor & HOD, Department of Nephrology S.M.S. Medical College, Jaipur, Rajasthan	
14	**Dr. G.S. Wander** Professor & Head, Department of Cardiology DMC & Hospital, Ludhiana, Punjab	
15	**Dr. S.K. Gupta** Professor & Head Department of Neurosurgery PGIMER, Chandigarh	
16	**Dr. Vineet Ahuja** Professor Department of Gastroenterology AIIMS, New Delhi	
17	**Dr. Sanjeev Misra** Director, All India Institute of Medical Sciences, Jodhpur	

Governing Body

1	**Dr. S.C. Sharma** Former Professor & Head Department of Otolaryngology and Head & Neck Surgery All India Institute of Medical Sciences, New Delhi	
2	**Shri Chandra Prakash Joshi** Hon'ble Member of Parliament, Lok Sabha	
3	**Shri Rajesh Bhushan** Secretary Ministry of Health & Family Welfare Government of India	
4 (i)	**Shri Niranjan Kumar Arya** Chief Secretary Government of Rajasthan (till 31st January, 2022)	
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7	**Dr. Vineet Ahuja** Professor Department of Gastroenterology All India Institute of Medical Sciences, New Delhi	
8	**Dr. S.K. Gupta** Professor & Head Department of Neurosurgery Postgraduate Institute of Medical Education and Research (PGIMER), Chandigarh	
9	**Prof. Santanu Chaudhury** Director Indian Institute of Technology (IIT), Jodhpur, Rajasthan	
10	**Dr. S. S. Agarwal** Past President, IMA, Jaipur, Rajasthan	
11	**Dr. Sanjeev Misra** Director All India Institute of Medical Sciences, Jodhpur	

Standing Finance Committee

1	**Shri Rajesh Bhushan** Secretary Ministry of Health & Family Welfare Government of India	**Chairman**
2	**Shri P.P. Chaudhary** Hon'ble Member of Parliament, Lok Sabha	Member
3	**Prof. (Dr.) Sunil Kumar** Director General of Health Services Ministry of Health & Family Welfare Government of India	Member
4 (i)	**Shri Niranjan Kumar Arya** Chief Secretary Government of Rajasthan (till 31st January, 2022)	Member
4 (ii)	**Smt. Usha Sharma** Chief Secretary Government of Rajasthan (from 01st February, 2022)	Member
5 (i)	**Dr. Dharmendra Singh Gangwar** Addl. Secretary & Financial Advisor Ministry of Health & Family Welfare Government of India (till 06th December, 2021)	Member
5 (ii)	**Dr. Ashish Srivastava** Addl. Secretary & Financial Advisor Ministry of Health & Family Welfare Government of India (from 20th January, 2022)	Member
6	**Dr. Dhananjai Agarwal** Professor & HOD, Department of Nephrology S.M.S. Medical College, Jaipur, Rajasthan	Member
7	**Prof. Ashok Kumar Saxena** Former General President, Indian Science Congress Association	Member
8	**Dr. Sanjeev Misra** Director, All India Institute of Medical Sciences, Jodhpur	**Member Secretary**

Standing Selection Committee

1.	**Dr. Vineet Ahuja** Professor Department of Gastroenterology All India Institute of Medical Sciences, New Delhi	**Chairman**
2.	**Prof. (Dr.) Sunil Kumar** Director General of Health Services Ministry of Health & Family Welfare Government of India	Member
3.	**Prof. Santanu Chaudhury** Director Indian Institute of Technology (IIT), Jodhpur, Rajasthan	Member
4.	**Dr. G.S. Wander** Professor & Head, Department of Cardiology DMC & Hospital, Ludhiana, Punjab	Member
5.	**Dr. Dhananjai Agarwal** Professor & HOD, Department of Nephrology S.M.S. Medical College, Jaipur, Rajasthan	Member
6.	**Prof. Ashok Kumar Saxena** Former General President Indian Science Congress Association	Member
7.	**Dr. Sanjeev Misra** Director All India Institute of Medical Sciences, Jodhpur	**Member Secretary**

Academic Committee

1.	**Dr. S.K. Gupta** Professor & Head Department of Neurosurgery PGIMER, Chandigarh	**Chairman**
2.	**Prof. Santanu Chaudhury** Director Indian Institute of Technology (IIT), Jodhpur, Rajasthan	Member
3.	**Dr. Vineet Ahuja** Professor Department of Gastroenterology AIIMS, New Delhi	Member
4.	**Dr. Hakam Dan Charan** Vice Chancellor Bikaner Technical University, Bikaner, Rajasthan	Member
5.	**Dr. G.S. Wander** Professor & Head, Department of Cardiology DMC & Hospital, Ludhiana, Punjab	Member
6.	**Prof. Ashok Kumar Saxena** Former General President Indian Science Congress Association	Member
7.	**Dr. Sanjeev Misra** Director All India Institute of Medical Sciences, Jodhpur	**Member Secretary**

About the President



Dr. Suresh C Sharma, President of AIIMS Jodhpur is currently working as Chairman, National Medical Commission. He was previously working as the Professor and Head of the Department of Otorhinolaryngology and Head & Neck surgery at AIIMS, New Delhi. He pursued his MBBS from SMS Medical College, Jaipur (Rajasthan), and was awarded MS (ENT) from Post Graduate Institute of Medical Education and Research, (PGIMER) Chandigarh. He continued to serve PGIMER Chandigarh as faculty till March 2000 in various capacities. He received training at MSKCC, New York with Prof. Jatin Shah in Head & Neck Surgery.

Dr. Sharma developed Head & Neck Cancer surgery and Skull base surgery at PGIMER, Chandigarh, conducted research on fungal infections of Head & Neck, and developed first animal model for PNS fungal infections. At AIIMS Delhi, besides Head & Neck surgery, he developed skull base surgery, and surgery for head & neck paraganglioma, cochlear implants, robotic and minimal invasive surgery for head & neck tumours.

He is actively involved in basic research in the field of Oral cancer and Cholesteatoma. He has numerous publications in National and International journals and has written multiple chapters in books. He is member/ advisor on bodies of various institutions of the Government of India and has been conferred with various orations such as Dr. P. P. Karnik Oration,2016, at NES,2016,11-13 March, AIIMS Bhopal,

A.O.I. Oration (Rajasthan state branch), at Udaipur, on 22nd Oct. 2016, Dr Satyaban Roy Memorial Oration 2015, at 44th Annual state conference 4-6th Dec.2015, Chjalsa, Siliguri, S. S. Balge Oration award at 39th annual conference of AOI GSB Ahmedabad, Sher-E- Kashmir Sheikh Mohammed Abdullah Oration award- 2011, S M S Medical, College Jaipur, Raj, 1st Oct, 2012. Prof. Y. N. Mehra oration- 2012, Delivered on 30th Nov, 2012, at PGIMER, Chandigarh.Prof. Abirlal Mukherjee Oration, AOI CON, Chandan Nagar, West Bengal, Sept. 2012. Prof. Kailash rai Oration, Rajasthan State AOI CON, MGMC, Jaipur, Raj, 2011. Prof. C. Das Oration, NEBAOICON,(North East Br) Shilong, Assam , Oct 2011. Dr.L H Hiranandani oration, AOICON at Agra, Jan, 2008.Prof. R N Misra Oration, KGMC, Lucknow, UP, August, 2007.Certificate of appreciation of services from Vice-President of India, 2007.Invited Guest speaker in the Annual AP state BR. of AOI, July 2010.Guest Speaker in Annual Head & Neck Workshop at All India Institute of Medical Sciences,New Delhi, Oct.1993, Jan. 1998 and Oct.1998.A.O.I. Guest Lecture in Annual Conference of Rajasthan State Branch of A.O.I. Nov.1994.

He has been nominated as President of AIIMS, Jodhpur, by Government of India in 2018.

Administration



Director
Prof. Sanjeev Misra



Deputy Director (Administration)
Mr. N. R. Bishnoi



Finance and Chief Accounts Officer
Mr. S. N. Gurjar
(Additional Charge)



Senior Administrative Officer
Mr. Dushyant Gehlot



Administrative Officer
Mr. Sanjay Dhabai



Executive Engineer (Electrical)
Er. Pankaj Saxena
(Additional Charge of SE)

Office Bearers

at

AIIMS Jodhpur

Academics

S. No.	Name & Designation	Photo
1	Dr. Kuldeep Singh Dean	
2	Dr. Shilpi Gupta Dixit Vice Dean	
3	Dr. Abhishek Bhardwaj Sub Dean	
4	Dr. Pradeep Dwivedi Assistant Dean	
5	Dr. Mukesh Kumar Swami Assistant Dean	
6	Dr. Shival Srivastav Assistant Dean	
7	Mr. Manish Kumar Srivastava Registrar	

Examinations

S. No.	Name & Designation	Photo
1	Dr. Abhinav Dixit Controller of Examinations	
2	Dr. Tanuj Kanchan Vice Dean	
3	Dr. Gopal Krishna Bohra Sub Dean	
4	Dr. Dushyant Agarwal Sub Dean	
5	Dr. Ravisekhar Gadepalli Assistant Dean	
6	Dr. Shrimanjunath Sankanagoudar Assistant Dean	
7	Dr. Mukesh Sharma Assistant Dean	

Research

S. No.	Name & Designation	Photo
1	Dr. Pankaj Bhardwaj Vice Dean (Officiating Dean)	
2	Dr. Jaykaran Charan Sub Dean	
3	Dr. Deepak Kumar Assistant Dean	
4	Dr. Prasenjit Mitra Assistant Dean (till 28th June, 2021)	

Student Welfare

S. No.	Name & Designation	Photo
1	Dr. Surajit Ghatak Dean	
2	Dr. Abhay Elhence Vice Dean	
3	Dr. Naresh Nebhinani Sub Dean	
4	Dr. Daisy Khera Assistant Dean	

Hospital Services

S. No.	Name & Designation	Photo
1	Dr. M. K. Garg Medical Superintendent	
2	Dr. Mahaveer Singh Rodha Deputy Medical Superintendent	
3	Dr. Suryanarayanan Bhaskar Deputy Medical Superintendent	
4	Dr. Nikhil Kothari Deputy Medical Superintendent	
5	Dr. Mithu Banerjee Deputy Medical Superintendent	
6	Dr. Binit Sureka Deputy Medical Superintendent	
7	Dr. Nitesh Gehlot Deputy Medical Superintendent	

Inauguartion

Date	Occasion
13th April, 2021	Starting of Neurology and Neurosurgery ICU at 5th Floor, D & T Block, AIIMS, Jodhpur
13th April, 2021	Starting of Newly Constructed Food Curt, Faculty Dinning & Party Hall, Creche, Table Tennis, Music nd Hobby Room at 1st Floor, Mess Building, AIIMS, Jodhpur
02nd September, 2021	Starting of Endoscopy suite of the Department of Gastroenterology at OPD Building, 3rd Floor OT Complex, B Block, AIIMS, Jodhpur
01st December, 2021	Starting of Transplant Unit at OT Complex Building, 3rd Floor, AIIMS, Jodhpur
14th December, 2021	Starting of Newly Constructed Boys Hostel at AIIMS, Jodhpur
23rd December, 2021	Starting of Newly Constructed Creche in Mess Building(First Floor) at AIIMS, Jodhpur

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. This year new Department of Hospital Administration has been added.

This year was unprecended due to COVID pandemic. This hospital initially managed all the type of COVID cases and later converted to tertiary care centre for COVID for western Rajasthan. This hospital provided services to COVID patients of this state and nearby state with high degree of patient's satisfaction. Recently, it has provided excellent wholesome care to all the cases of Mucormycosis.

The OPD attendance, IPD admissions, and surgery numbers and complexity have decreased this year due to COVID pandemic. However, 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.

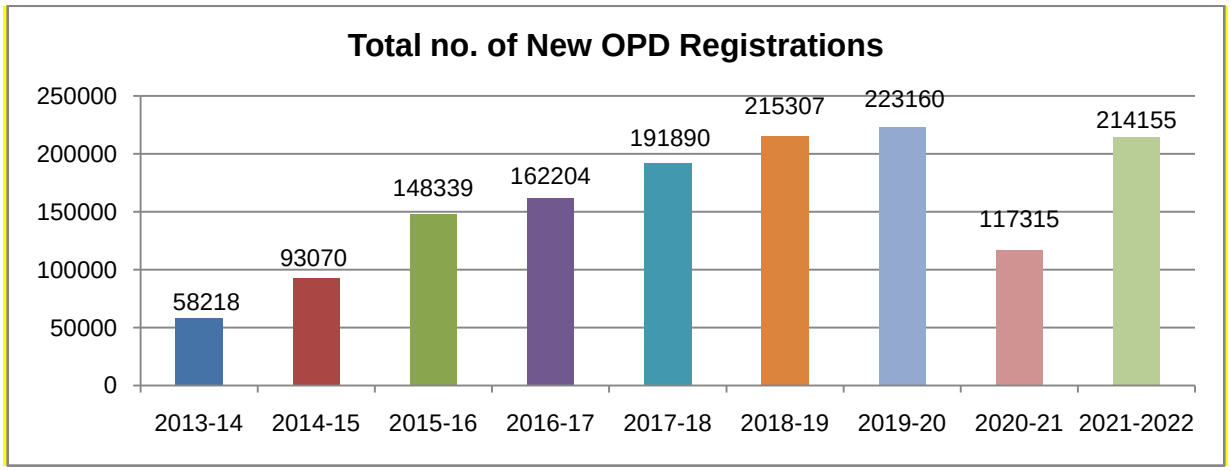
The Institue has successfully implemented the "Ayushman Bharat" Scheme under which six thousand eight hundred and thirty eight patients have benefitted till 31Mar2022.

Tha Atal Covid Care Center was made operational my AIIMs Jodhpur from 01 May 2021till 15 June 2021. A total of 250 patients were treated at this center.

The Institute has a functional Renal Transplant Unit. During this period a total of 07 transplants have been performed.

New OPD Registrations

A total 2,14,155 of new patients were registered in the year 2021-22 as compared to 1,17,315 patients registered in the previous year.

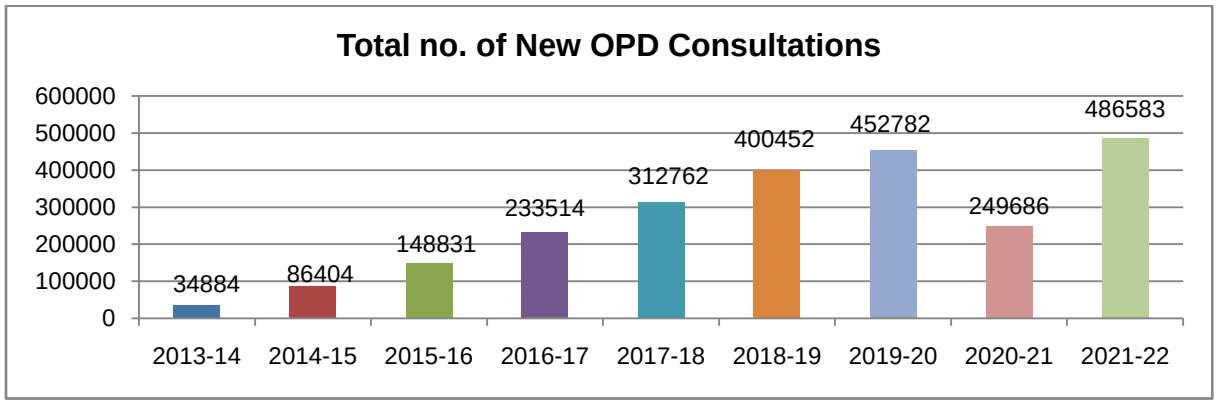


Sr. No	Year	Total no. of New OPD Registrations
1.	2013-14	58218
2.	2014-15	93070
3.	2015-16	148339
4	2016-17	162204
5	2017-18	191860
6	2018-19	215307
7	2019-20	223160
8	2020-21	117315
9	2021-22	214155

Sr. No	Month	Total no. of New OPD Registrations
1.	Apr – 21	15775
2.	May – 21	10479
3.	Jun – 21	14927
4	Jul – 21	18593
5	Aug – 21	20099
6	Sep – 21	19977
7	Oct – 21	19702
8	Nov – 21	17147
9	Dec – 21	19610
10	Jan – 22	16939
11	Feb – 22	18267
12	Mar – 22	22640

New OPD Consultations

A total of 4,86,583 new OPD consultations were done from 1st April 2021 to 31st March 2022 as compared to 2,49,686 consultations in the preceding year.

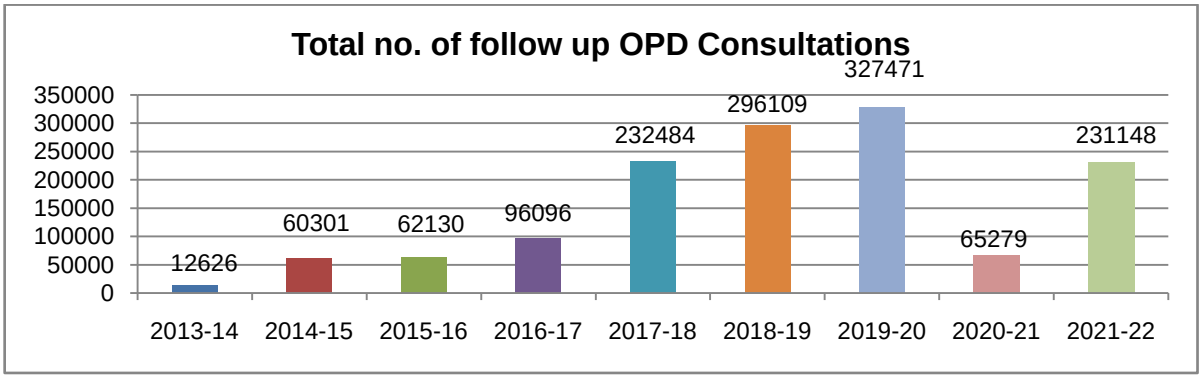


Sr. No	Year	Total no. of New OPD Consultation
1.	2013-14	34884
2.	2014-15	86404
3.	2015-16	148831
4	2016-17	233514
5	2017-18	312762
6	2018-19	400452
7	2019-20	452782
8	2020-21	249686
9	2021-22	486583

Sr. No	Month	Total no. of New OPD Consultation
1.	Apr – 21	29428
2.	May – 21	17652
3.	Jun – 21	28540
4	Jul – 21	37171
5	Aug – 21	43020
6	Sep – 21	47140
7	Oct – 21	47770
8	Nov – 21	43922
9	Dec – 21	50167
10	Jan – 22	41944
11	Feb – 22	45790
12	Mar – 22	54039

Follow up OPD Consultations

A total of 65,279 follow up OPD consultations were done from 1st April 2020 to 31st March 2021 as compared to 3,27,471 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

Sr. No	Month	Total no. of follow up OPD Consultations
1.	Apr – 21	10192
2.	May – 21	4518
3.	Jun – 21	12397
4	Jul – 21	16302
5	Aug – 21	18977
6	Sep – 21	21567
7	Oct – 21	20979
8	Nov – 21	21377
9	Dec – 21	26161
10	Jan – 22	22969
11	Feb – 22	25186
12	Mar – 22	30523

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. Radiation Oncology
10. Anaesthesiology and Critical Care
11. Transfusion Medicine and Blood Bank
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 Gastroentrology
15. Medical Oncology

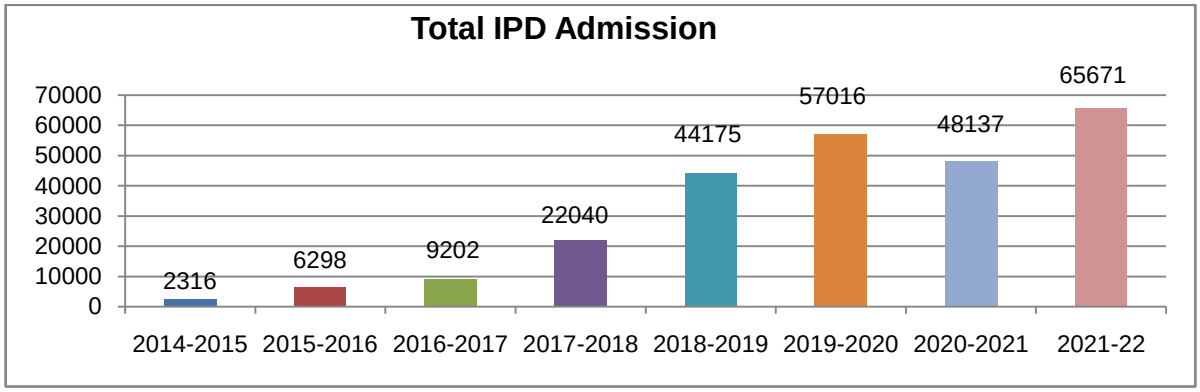
IPD Beds

Current Bed Strength – 960 including 131 beds in ICU (35 bed AICU, 5 beds KTU, 23 bed in PICU, 23 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.

IPD Admissions

65,671 patients were admitted in the institute during the year 2021-22 vs 48,137 during previous year.

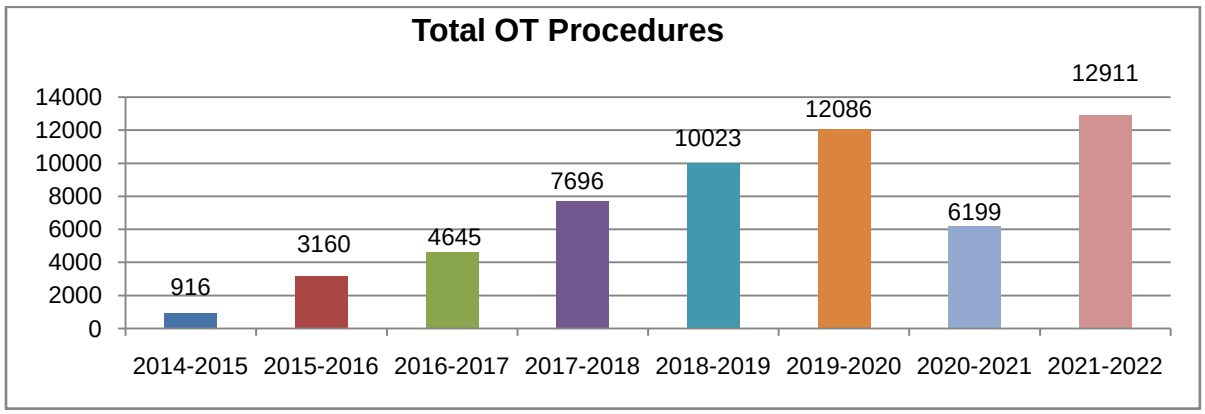


Sr. No	Year	Total IPD Admissions
1.	2014-15	2316
2.	2015-16	6298
3.	2016-17	9202
4	2017-18	22040
5	2018-19	44175
6	2019-20	57016
7	2020-21	48137
8	2021-22	65671

Sr. No	Month	Total IPD Admissions
1.	Apr – 21	4180
2.	May – 21	3151
3.	Jun – 21	4240
4	Jul – 21	5428
5	Aug – 21	6148
6	Sep – 21	6275
7	Oct – 21	7171
8	Nov – 21	6292
9	Dec – 21	5973
10	Jan – 22	5219
11	Feb – 22	5390
12	Mar – 22	6204

OT Procedures

12,911 OT procedures were performed in the year 2021-22 vs 6199 in the previous year.



Sr. No	Year	Total OT Procedure
1.	2014-15	916
2.	2015-16	3160
3.	2016-17	4645
4	2017-18	7696
5	2018-19	10023
6	2019-20	12086
7	2020-21	6199
8	2021-22	12911

Sr. No	Month	Total OT Procedure
1.	Apr – 21	602
2.	May – 21	369
3.	Jun – 21	737
4	Jul – 21	977
5	Aug – 21	1175
6	Sep – 21	1382
7	Oct – 21	1279
8	Nov – 21	1174
9	Dec – 21	1541
10	Jan – 22	1016
11	Feb – 22	1173
12	Mar – 22	1486

Department wise Surgeries : Year wise data

Department wise Surgeries									
	2014	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2021 (Till March)**
Dentistry	11	30	82	116	216	428	172	288	65
Otorhinolaryngology	64	304	489	559	809	867	387	909	238
General Surgery	166	939	1164	1437	1582	1790	1137	2063	659
Obstetrics & Gynaecology	63	286	428	740	1219	1656	1382	1947	582
Onco-Surgery	13	83	103	119	172	274	304	457	22
Ophthalmology	0	150	535	997	878	814	135	320	186
Orthopaedics	53	335	451	603	931	1109	624	1421	427
Pediatric Surgery	73	306	542	711	867	938	564	886	316
Physical Medicine & Rehabilitation	35	108	350	0	104	38	0	0	0
Radio-Diagnosis	5	44	2	0	1	0	0	0	0
Anaesthesiology	0	18	9	21	150	145	54	41	0
Psychiaty	0	0	19	155	307	309	88	0	0
Nephrology	0	0	23	6	4	16	3	1	0
Dermatology	0	0	7	32	123	78	8	0	0
Pulmonary Medicine	0	0	9	11	6	16	15	9	1
Cardio Thoracic Surgery	0	0	5	18	40	97	37	209	70
Radio Therapy	0	0	3	0	39	20	16	0	0
Plastic Surgery	0	0	0	128	569	769	367	500	169
Neurosurgery	0	0	0	51	302	521	428	835	216
Urology	0	0	0	1089	1185	1516	623	1220	443
GI Surgery	0	0	0	193	183	299	179	399	127
Total	483	2603	4221	6986	9687	11704	6523	11505	3521

Emergency Services

Since the initiation of emergency services from 1st 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 ventillators 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 OT Procedure
1.	Apr – 21	1868
2.	May – 21	1471
3.	Jun – 21	2053
4	Jul – 21	2700
5	Aug – 21	3136
6	Sep – 21	3068
7	Oct – 21	3893
8	Nov – 21	3100
9	Dec – 21	2665
10	Jan – 22	2249
11	Feb – 22	2397
12	Mar – 22	2923
	Total	**31523**

Total no. of department wise admission in Emergency

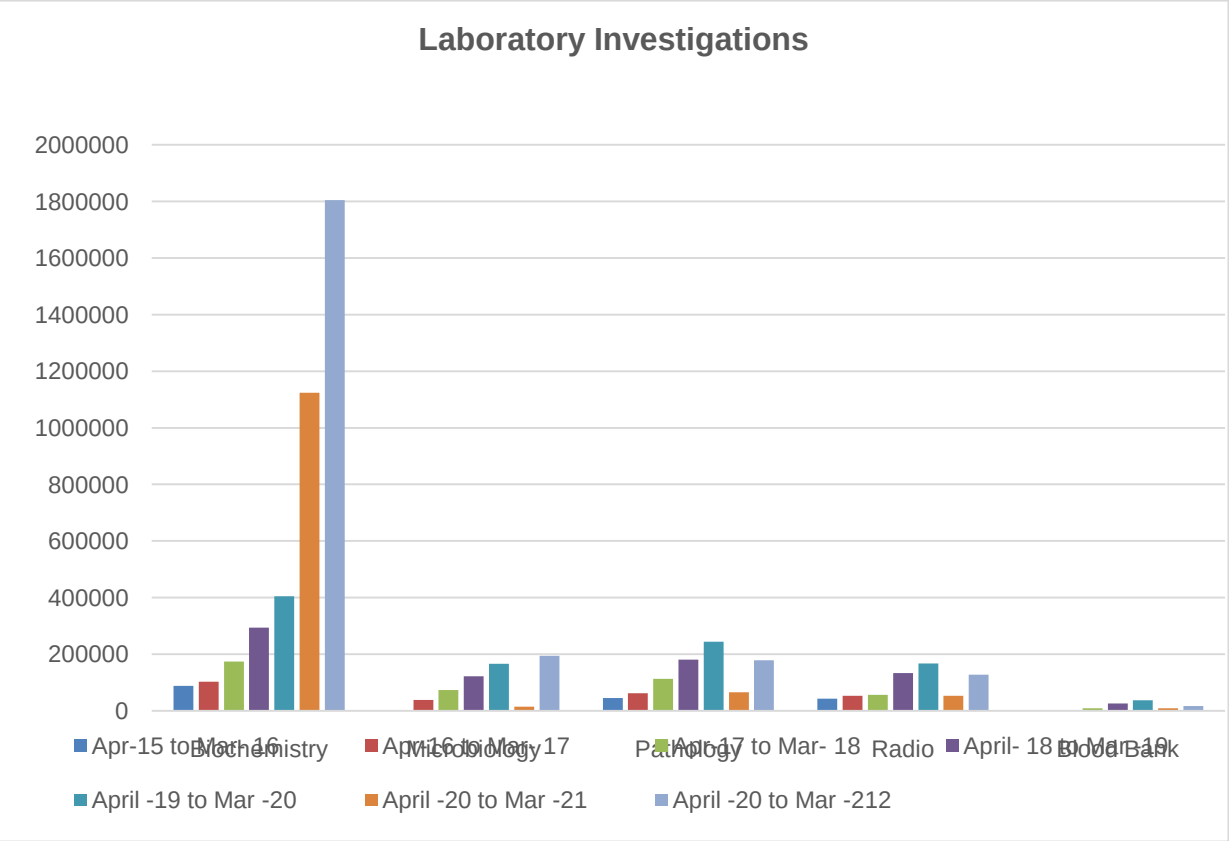
Sr. No.	Month	Medicine	Surgery	Pediatric	Orthopedic	Psychiatry	Dental	Radiology	ENT	Total
1	Apr – 21	938	462	433	35	0	0	0	0	1066
2	May – 21	803	374	260	34	0	0	0	0	1488
3	Jun – 21	1021	517	437	78	0	0	0	0	1706
4	Jul – 21	1295	673	592	140	0	0	0	0	1779
5	Aug – 21	1567	800	667	102	0	0	0	0	1835
6	Sep – 21	1686	644	660	78	0	0	0	0	1733
7	Oct – 21	2294	580	967	52	0	0	0	0	1802
8	Nov – 21	1769	577	718	36	0	0	0	0	1616
9	Dec – 21	1534	557	534	40	0	0	0	0	1753
10	Jan – 22	1151	583	468	47	0	0	0	0	2197
11	Feb – 22	1282	564	506	45	0	0	0	0	2369
12	Mar – 22	1543	649	706	25	0	0	0	0	3085

Laboratory Investigations

The laboratory investigations also showed a proportionate increase in demand and services offered 23,22,237 investigations were done during 2021-22 as compared to 12,67,798 investigations performed in the previous year 2020-21.

Investigations

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



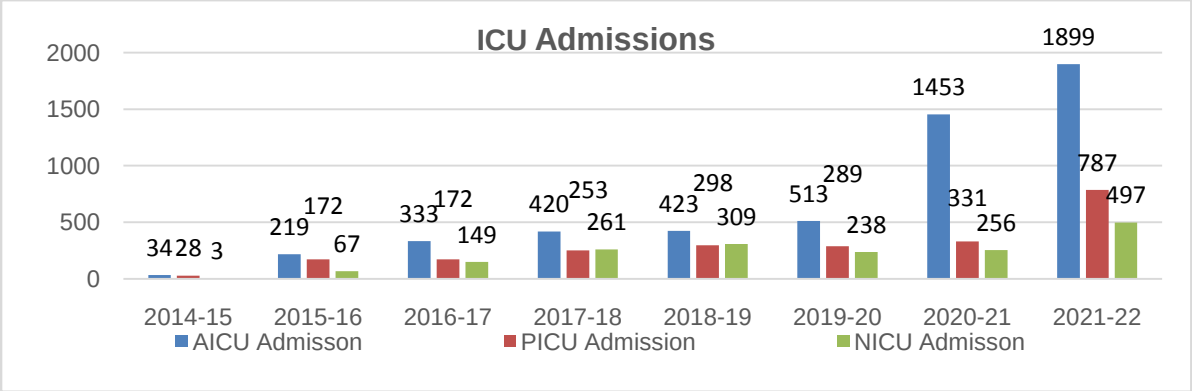
Blood Bank Services

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 Vol. Donation	No. of Blood issued	No. of Therapeutic Plasma Exchange	No. of Camps Conducted
1	Apr – 21	175	927	5	3
2	May – 21	144	947	10	2
3	Jun – 21	308	1105	5	5
4	Jul – 21	224	1317	26	3
5	Aug – 21	148	1689	44	1
6	Sep – 21	303	1538	33	6
7	Oct – 21	165	1595	22	3
8	Nov – 21	284	1692	34	4
9	Dec – 21	143	1582	24	2
10	Jan – 22	185	1357	20	3
11	Feb – 22	119	1377	31	1
12	Mar – 22	147	1521	28	2
Total		**2345**	**16647**	**282**	**35**

ICU Admission

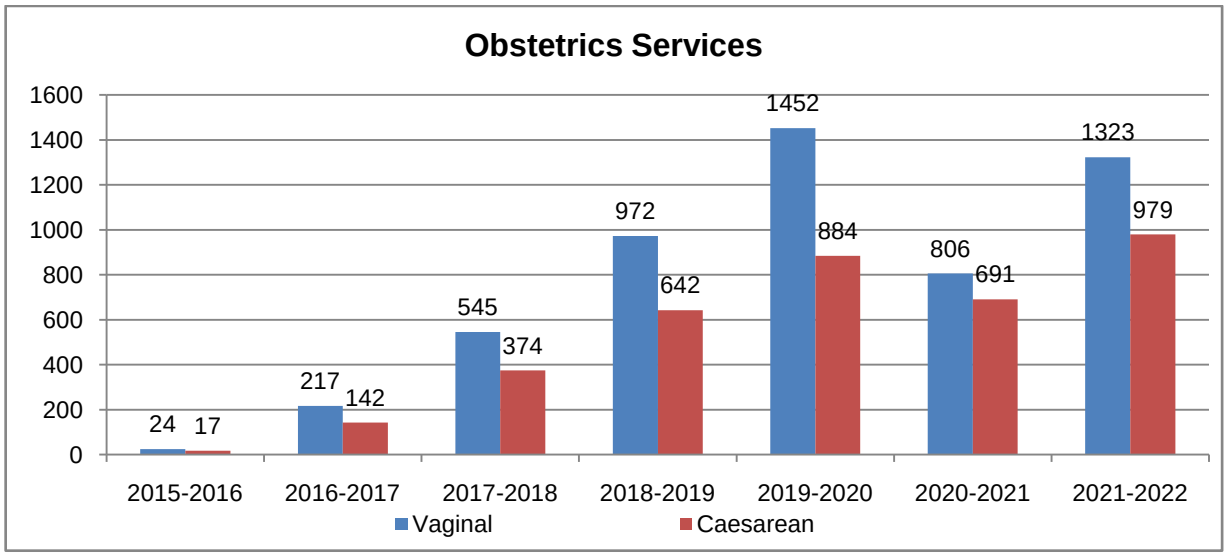


Sr. No	Year	AICU Admisson	PICU Admission	NICU Admisson
1	2014-15	34	28	3
2	2015-16	219	172	67
3	2016-17	333	172	149
4	2017-18	420	253	261
5	2018-19	423	298	309
6	2019-20	513	289	238
7	2020-21	1453	331	256
8	2021-22	1899	787	497

Sr. No	Month	AICU Admisson	PICU Admission	NICU Admisson
1	Apr – 21	146	35	26
2	May – 21	144	25	23
3	Jun – 21	156	59	32
4	Jul – 21	192	67	39
5	Aug – 21	183	64	38
6	Sep – 21	180	76	48
7	Oct – 21	177	91	46
8	Nov – 21	166	81	57
9	Dec – 21	152	79	51
10	Jan – 22	128	66	48
11	Feb – 22	122	72	45
12	Mar – 22	153	72	44

Obstetrics Services (Labour Ward)

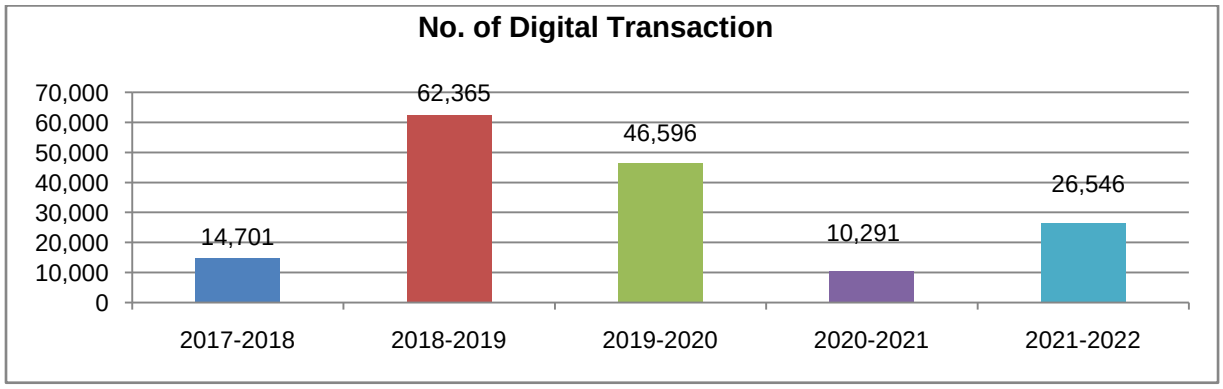
Sr. No	Year	Vaginal	Caesarean
1.	2015-16	24	17
2.	2016-17	217	142
3.	2017-18	545	374
4.	2018-19	972	642
5.	2019-20	1452	884
6.	2020-21	806	691
7.	2021-22	1323	979



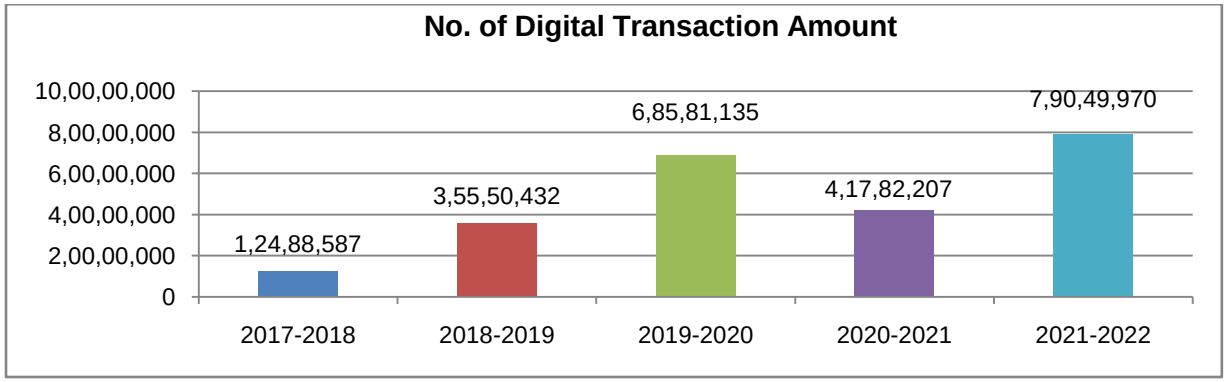
Sr. No	Year	Vaginal	Caesarean
1.	Apr – 21	69	42
2.	May – 21	56	53
3.	Jun – 21	68	64
4.	Jul – 21	95	69
5.	Aug – 21	113	105
6.	Sep – 21	124	99
7.	Oct – 21	145	95
8.	Nov – 21	132	93
9.	Dec – 21	132	104
10.	Jan – 22	140	90
11.	Feb – 22	115	86
12.	Mar – 22	134	79

Digital Data

No. of Digital Transaction



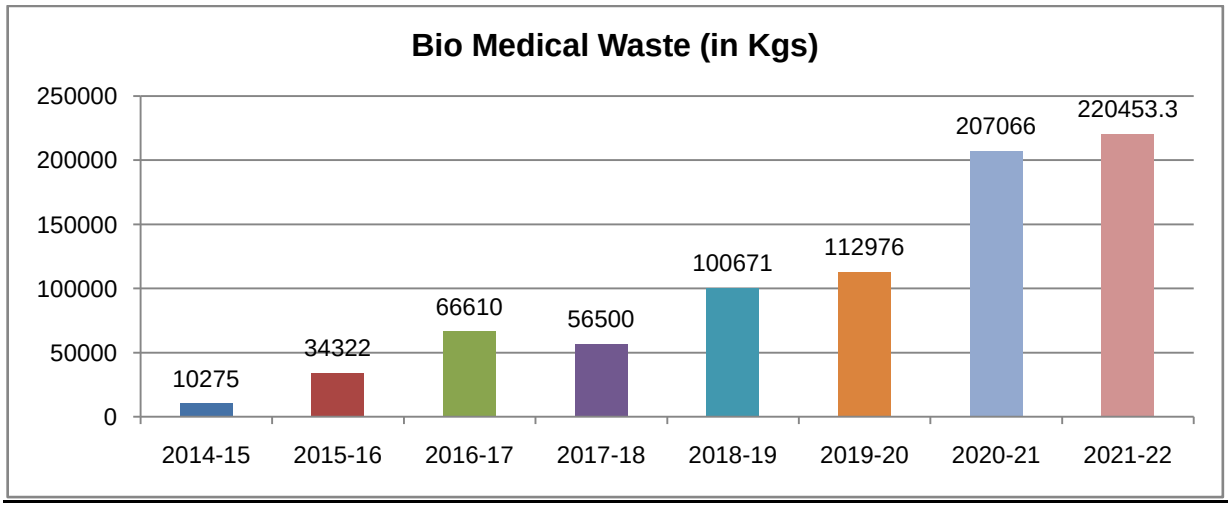
Total no. of Digital Transaction Amount



Sr. No	Year	No of Digital Txn	Digital Txn Ammount
1.	Apr – 21	1234	4300088
2.	May – 21	1033	4198624
3.	Jun – 21	1825	5866854
4.	Jul – 21	2161	6459619
5.	Aug – 21	2085	7081265
6.	Sep – 21	2192	6762819
7.	Oct – 21	2206	5833565
8.	Nov – 21	2289	7383906
9.	Dec – 21	3052	7886197
10.	Jan – 22	2816	7310893
11.	Feb – 22	2758	7983070
12.	Mar – 22	2895	7983070

Bio – Medical Waste

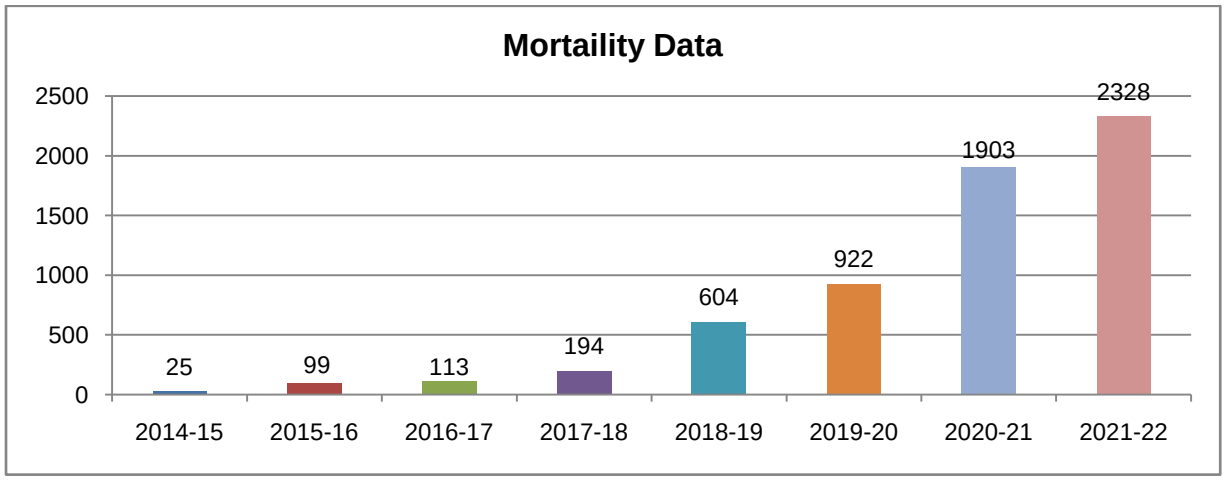
Sr. No	Year	Bio Medical Waste (in Kgs)
1	2014-15	10275
2	2015-16	34322
3	2016-17	66610
4	2017-18	56500
5	2018-19	100671
6	2019-20	112976
7	2020-21	207066
8	2021-22	220453.30



Sr. No	Month	Bio Medical Waste (in Kgs)
1	Apr – 21	18572.1
2	May – 21	20186.2
3	Jun – 21	20811.5
4	Jul – 21	16888.8
5	Aug – 21	14831.94
6	Sep – 21	12823.17
7	Oct – 21	16205.9
8	Nov – 21	14212.1
9	Dec – 21	18114.5
10	Jan – 22	23232.42
11	Feb – 22	23740
12	Mar – 22	20834.7

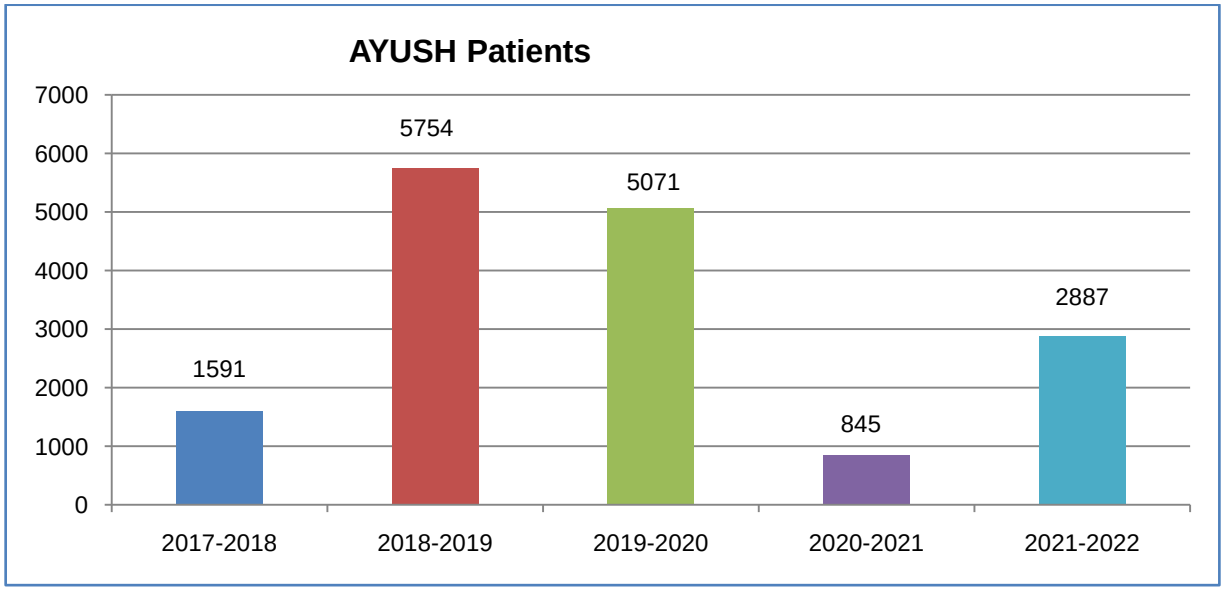
Mortality Data

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



Sr. No	Month	Mortality Data
1	Apr – 21	279
2	May – 21	408
3	Jun – 21	203
4	Jul – 21	158
5	Aug – 21	153
6	Sep – 21	132
7	Oct – 21	139
8	Nov – 21	166
9	Dec – 21	164
10	Jan – 22	191
11	Feb – 22	171
12	Mar – 22	164

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

Sr. No.	Month	No. of AYUSH Patients
1	Apr – 21	140
2	May – 21	116
3	Jun – 21	159
4	Jul – 21	171
5	Aug – 21	158
6	Sep – 21	170
7	Oct – 21	293
8	Nov – 21	376
9	Dec – 21	445
10	Jan – 22	188
11	Feb – 22	306
12	Mar – 22	365

COVID – 19 SERVICES

Exemplary Role played by AIIMS JODHPUR during COVID-19

AIIMS Jodhpur has played a pivotal role in the management of COVID-19. Aggressive testing, contact tracing was done meticulously right from the beginning of the epidemic. The hospital proactively formed a task force for the management of COVID-19. This task force, under the leadership of the Director & CEO and Medical Superintendant, after deliberation with concerned stakeholders swiftly formulated and implemented SOPs for managing the pandemic which spanned all the dimensions of COVID care. Critically ill patients were successfully managed by increasing the ICU beds. AIIMS Jodhpur participated aggressively in the vaccination drive from 16 January 21, right from the first day vaccines were rolled out for frontline workers.

A total of 3774 COVID patients were admitted. 588 patients succumbed to the illness. 2354 patients were admitted in ICU. 981 patients were admitted in Critical Covid Care Units.

Vaccination Details:

COVISHIELD	**COVAXIN**
Total dose vaccinated till 31st March, 2022	**Total dose vaccinated till 31st March, 2022**
54532	29117

Medical Education at AIIMS Jodhpur

Medical Education at AIIMS Jodhpur

Faculty members at AIIMS Jodhpur are making proactive efforts striving their best for continuous Quality Improvement in Medical Education using innovations and novel methodologies to engage students. Following were the activities performed and new initiatives taken during the financial year from 2021-22:

1. UG Orientation Program (Foundation): Based on the feedback of the students from previous batches and meetings with faculty members, we improvised the orientation program for Undergraduates. A 2-week long orientation program was conducted for 2 weeks in February 2022 for the batch selected through NEET UG 2021. The first session was in Auditorium and included parents and guardian also along with students and faculty members. Student were also shown short video about functioning and life at AIIMS Jodhpur. The feedback at the end of program was encouraging and they enjoyed sessions with interaction and especially that with Clickers. Feedback was analysed to make improvements in the future iterations of the program.
2. The new elements of Under graduate 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.
3. Preparation for Internship (PRINT) Program: 2017 Batch started internship on 1st January 2022 and were oriented to team working, professionalism, waste management, record keeping and various aspect to facilitate their working as a doctor.
4. PG Orientation Program: We conducted PG orientation in November 2021 and in March 2022 for batches who joined in July 2021 and January 2022 sessions respectively. 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” which is an important part of training.
5. 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. The program was the first of its kind in the country to bring together experts from the fields of medicine and engineering, thus creating a unique opportunity for participants in the area of healthcare innovation. Various new technologies and patents have been filed by the students and faculty members participating in this program.
6. MD-PhD program: A unique initiative of dual degree MD-PhD program was initiated at AIIMS Jodhpur with an aim to promote scientific research in focussed areas by students enrolling in the MD/MS programs in the institute. This program aims to create a team of postgraduates with special focus in key research areas. The program was very well received by the students as shown by the large number of students who opted for the program.
7. 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 appraised of recent developments and advances in different domains of medicine.

8. Guest lectures: In addition to online CGRs and CPCs, online 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.
9. Our Institute is also a part of Institute Innovation Council by Ministry of Education. Various activities were organised under this initiative to engage faculty members as well as post graduate and undergraduate students.
10. Faculty development workshops: The Medical Education Unit was constituted at the institute consisting of faculty members from various specialities. The MEU conducted several in-house workshops – ranging from how to develop MCQs to faculty development workshops - for continual professional development of the skills of faculty members of the institute. These workshops were organised in small groups with brainstorming sessions for enhanced outcomes.
11. Innovations regarding Online microteaching: An evaluation program was conducted regarding online mode of microteaching which was widely adopted during the COVID pandemic in the previous year. Feedback was obtained from senior as well as junior faculty members regarding the online mode of teaching. The pros and cons were discussed and discussion was done regarding how to make online mode of teaching more interactive and engaging.
12. 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.
13. 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 seventh semester of MBBS curriculum. Sessions were held on various management principles to help students become better equipped for healthcare practice.
14. Family adoption program: A unique program was started for first year undergraduate students wherein they were attached with a family of a new born 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.
15. Establishment of 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.

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

Students' 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.

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 April 2021 to 31 march 2022.

1. **Swachhta Pakhwada:** Various activities were organized from 1st to 15th April, 2021 in which the students of the institution have actively participated. Poster and Slogan writing competition was held on 7th April 2021.

The following MBBS and Nursing Students participated and won prizes:

Winners of Swachhta Pakhwada (Poster and Slogan writing Competition held on 7th April, 2021)		
Prize	**Name of Students**	**Batch**
I	Payal Mittal	MBBS -2016
II	Prakhar Goyal	MBBS -2016
III	Mrigank Sharma	MBBS -2016
(Consolation Prize)	Ishudeep Kaur	MBBS -2016
(Consolation Prize)	Simran Kejriwal	MBBS -2016

2. **International Day of Yoga** – On the occasion of International Yoga Day, Yoga and Meditation club organized "A Three Week Wellness Program" from 1st June 2021 which included several morning and evening sessions. Yoga and meditation club activities were conducted on Zoom platform for the wellness program and virtual activities. As the country was battling the Covid-19 pandemic on a war-footing, India's traditional system of Yoga helped to boost immunity, improve overall health and well-being. The ancient yogic discipline facilitated achieving peace and happiness through wellness of body and mind.

3. **Janmastami 2021-** was celebrated on 30 Aug 2021 in the students' hostels at 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 2021-** Annual sports meet "Tejas-2021" was held from 01st -5th September, 2021. 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, Director AIIMS Jodhpur gave away the prizes, trophies, medals to the winners.

5. **Ganesh Chaturthi 2021-** A 10-days event from 10th September, 2021 was organized on the occasion of Ganesh Chaturthi by MBBS batch-2019. Small Ganesha idol was installed with some decoration. Daily aarti comprising of devotional singing was held in the reception area of PG Hostel.

6. **Annual Day 2021-** 7th Annual day function of AIIMS, Jodhpur was celebrated on 17th September 2021. To mark the occasion, several events were organized by the Literary Committee and the Debating Society of AIIMS Jodhpur. Annual Day Debate and Annual Day Quiz -2021 for All Faculty, Group "A" and Group "B" Officers, Residents (SR & JR) and Students were held. Mementos for Judges, Mementos for Faculty participants for Debate, Prizes for Winners and Runner up & certificates were given. In the evening a cultural program was scheduled by the Cultural committee of AIIMS Jodhpur in the College Auditorium which comprised of a myriad of Group dance & Solo and Duet song, Skit / Drama, Mini act and Band performance by the college band 'Cranium'.

7. "**MIND**: **Mentoring in New Direction**"**-** A session for Peer Mentors titled "MIND: Mentoring in New Direction" was held in LT-1 from 4:00 pm to 5:30 pm on 7th October, 2021. During the interaction following topics were discussed and deliberated upon:

- Mentorship: A Roller Coaster Journey so far.
- Expectation from the Mentorship Programme.

8. **"NAVRATRI -2021" –** An 08-days event was organized on the occasion of Navratri from 7th October, 2021 by MBBS batch-2019. A small idol was installed with some decoration in the reception area of PG Hostel and daily aarti (devotional singing) were performed during the Navratri. Garba Night Celebrations named "Rangtaari" was held from 13th to 14th October, 2021 under the 08 days' event of "Navratri-2021" at ground beside newly constructed Hostel building, AIIMS-Jodhpur. *Garba* performances included singing and a musical accompaniment provided by *dhol* and cymbals. The students attired in colourful dresses, danced on a circular pattern characterized by a sweeping action from side to side.

9. **"ART COMPETITION -2021"-** On the occasion of Diwali, The Art Club of AIIMS, Jodhpur organized an Art competition on 28th October 2021, comprising of many events like Rangoli making, Diya painting, Button mosaic, T-shirt painting etc. Prizes and certificates were given to the winners and runner-up.

10. **Farewell function-** Farewell for MBBS Batch 2016 was organized by MBBS Batch-2017 on 3rd January, 2022 to bid a cheerful adieu to the students passing out in December 2021 and to make friendship of the juniors & seniors stronger.

11. **The Saraswati Pooja -** was organized on 5th February 2022 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. Proper social distancing and all COVID 19 precautions were taken during the entire programme.

12. **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.

We have started and successfully conducted the mentorship program for all the batches since our 1st MBBS batch in 2012. Presently we have 'Formal mentorship program' for 1st and 2nd year MBBS students (1st to 4th semester), in which each student has been assigned a faculty mentor and each faculty has been assigned 3-4 students, and they are advised to have at least one mentorship meeting in a fortnight. From 5th semester onward they become part of 'Open mentorship program', in which whenever they need they can go to any faculty or they can contact coordinator mentorship program at their convenience. 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.

13. **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. We also organize 'Personality development program' for our students and receive their regular feedback for better coordination, services and harmony. A number of undergraduate and Postgraduate students have availed counseling service for their emotional, academic and other psychological problems during April 2021 - March 2022.

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.

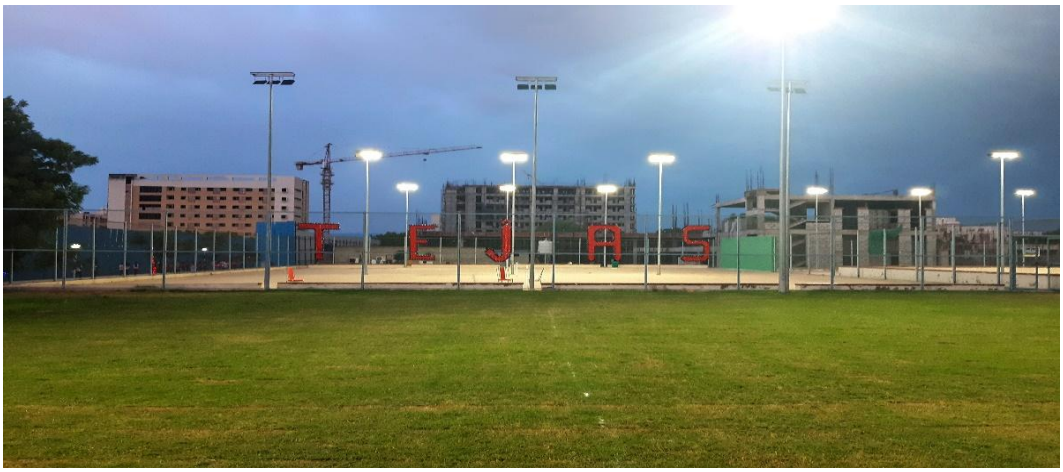
14. **New Boys' Hostel –** A new 08 storied (Ground + 07 floors) Boys' Hostel comprising of 192 double rooms (capacity 384 inmates) have been commissioned on 14th Dec 2021 and student of MBBS Batch 2019, 2020 & 2021 have shifted to the new boys' hostel.

15. **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.

16. **Gymnasium -** A well-equipped state-of-the-art Gymnasium has been established within campus in the student mess complex 1st 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.

17. **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 sports festival “Tejas-2021”



Participating batches for “Tejas-2021”



Ganesh Chaturthi-2021



Ganesh Visarjani



Annual day - 2021 “Quiz & Debate”



Annual day - 2021 “Prize Distribution”



Annual day - 2021 “Cultural Evening “



College band “cranium” performing during Annual day - 2021



Navratri Celebration- 2021



Garba Nights during “Navratri Celebration- 2021”



Saraswati Pooja-February 2022



Aarti during Saraswati Pooja-February 2022



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 during “Tejas -2021”



Carrom match being played during “Tejas -2021”



Newly constructed boys hostel

Anti-Ragging Committee

AIIMS, Jodhpur constituted an Anti-Ragging Committee as per Supreme Court Guidelines.

The following were the members of the Committee:

i) Prof. Abhay Elhence – Chairperson
ii) Prof. Deepak Jha – Member
iii) Prof. Naveen Sharma – Member
iv) Dr. Pushpinder Khera - Member
v) Dr. Archana Bajpayee – Member
vi) Dr. Aasma Nalwa – Member
vii) Ms. Mamta – Member
viii) Representative of Local media: Mr. Praveen Dhingra, Dainik Bhaskar
ix) Representative of Civil Society : Dr. (Mrs.) Vandana Mathur and Ms. Shilpa Mridul
x) Representative of State Police: Ms. Neeraj Sharma RPS ACP
xi) Legal advisor: Dr. Pramila Acharya

MBBS Students:

Batch 2016: Abhinandan Kumar and Sanjoli Gupta

Batch 2017: Adarsh Kumar and Himanshi Bhati

Batch 2018: Mudit S Lawaniya and Mithali Malav

Batch 2019: Gautam Gupta and Harleen Kaur

Nursing students:

Batch 2017: Kanta and Deepika K

Batch 2018: Neelam Choudhary and Vandana

Batch 2019: Ritika Jajoria and Annu Kumari

AIIMS, Jodhpur observes zero tolerance for ragging and strict measures are in place to prevent ragging.

The committee members take regular rounds and ensure that the interaction of senior and junior students is under cordial environment.

Central Facilities

Central Facilities

Central Library

With the start of the academic session in 2012, a Central Library was established at the Institute. Currently, it is located on the first floor of the Medical College building. The library houses various books on medical and nursing subjects along with several Hindi and English literature novels for general reading. The Library is Wi-Fi enabled. Computer terminals and reprography services (on payment basis) are available for the use of library members.

It has 3860 medical text books and reference books and 564 nursing related text books. 71 e-books available for Nursing. The text books are issued to user members on a weekly basis after which they are required to return the books. About 600 English and Hindi literature books and novels for general reading are available. Many national and regional newspapers and periodicals of general interest are also available.

More than 1045 e-journals from various publishers have been subscribed. The Library has been a member of the ERMED Consortium initiated by NML, New Delhi, since 2016. Through this consortium portal, access to more than 235+ online e-journals across various specialties has been made possible.

Several databases and support resources including 'UpToDate', Lippincott Advisor & Lippincott Procedures, Clinical key, BMJ Complete E–Resources Package, Cochrane Library Database, Scopus-abstract and citation database and OMMBID (Online metabolic and molecular bases of inherited disease) database are available to all users.

DELNET Library Network membership has been obtained for providing more resources to all members.

MyLOFT Remote Access facility has been made available to all the library users for optimum use of the library resources, anywhere, anytime.

A separate wing for e-Library with 31 workstations is there in the library wherein different subjects are taught using simulation and software modules.

CCTV cameras have been installed in the library to provide a secure reading environment. From time to time, Central Library has been organizing user orientation, awareness cum training sessions.





Out Side Reading Area




E Library & Stack Area

Central Mess Services

A Central Mess facility is functioning in the vicinity of the hostel and is comprised of 5 dining halls which provides food of mixed culture and has a seating capacity of about 500 persons. The Mess caters to all MBBS, Nursing students including PGs & SRs also staffs and provides clean and hygienic food. A Mess Committee, comprising of 13 faculty members and 10 Student representatives is functioning to look after the day-to-day functioning and mess related issues including daily menu, hygiene and quality of food.

A 24-hour canteen is also functioning to provide a different milieu to the students and to help them during examination time.




Meal Time in the hostel mess

Sports facilities:

Outdoor sports

The Institute has a large size ground for athletics, field hockey, cricket and football. The ground has a covered spectator seating arena as well. The latter has the capacity to comfortably accomodate around 300 spectators at a time. A practice cricket net area has also been developed. A one of its kind calisthenics facility is also available in the outdoor arena for various body weight exercises.

The entire outdoor area has underground sprinkler facilities, excellent ground drainage and high mast flood lights. An outdoor basketball court, a cemented lawn tennis court and two indoor badminton courts are also part of the facility. A play area comprising child friendly swings is present in the residential premises. These facilities are being regularly used by the students, faculty and staff of the Institute.Synthetic courts for tennis, volleyball, rink hockey/skating and basketball are being constructed.

Indoor sports

Facilities are present for table tennis, chess and carom as indoor sports. All equipments and sports items are provided to the students by the Institute.





Flood lit sports field



Calisthenics facilities being used by students



Calisthenics work out area

Information Technology Cell

AIIMS Jodhpur takes pride in stating that it has a very robust Information Technology (IT) infrastructure for patient management, teaching and research purposes.

The IT Infrastructure : The IT infrastructure of the Institute provides state of art hardware equipment, software and internet connectivity. Local Area Networking (LAN) network is installed using fibre optics, copper wires and Wi-Fi routers. The high speed internet connectivity is provided by the National Knowledge Network (NKN) with additional cyber security ensured through latest firewalls and network security services. The Institute has latest desktops using latest Intel microprocessors, laptops, printers, scanners, bar code scanners, Kiosks etc.

Information and Communication Technology (ICT): Use of Information and Communication Technology (ICT) in health can be broadly in four areas viz. Education, Research, Referral, and Management of Data.

Health and Education: When ICT is applied to medical education, it is possible to make high quality education available pan India seamlessly.

Hospital Management System: It is common experience that work places in the health systems are not adequately governed especially in remote areas. The management of medical colleges and district hospitals can be strengthened significantly with the application of Hospital Management System.

Health Research: ICT can potentially transform the medical scene in India, by bringing about a sea-change in medical research. From traditional clinical research to the modern synthetic biology-based research, the opportunity is immense. Work on problems such as Cancer prevention, screening, diagnosis, and therapy can benefit from inter disciplinary cooperation. Medical fraternity has availed such benefits when MRI and Nuclear Imaging was integrated into medicine a few decades ago.

Health and Management of Data: Electronic Medical Records (EMR), is a fundamental pre-requisite in using ICT seamlessly in healthcare. While EMR is available in several forms, size, shape, and format, Indian medical community with a specific mandate should standardize EMR, create and establish ICT platforms for using EMR based systems, for universal benefits.

The Computerised Patient Management System : The vision of Digital India is included in our endeavours to achieve a paperless hospital management and Date Storage system.

IT services include Computerised Patient Management System (CPMS), which is a single window integrated software for managing all patient related activities of the Institute. The salient features of CPMS are as follows - online patient registration, out patient management, admissions and in patient management, investigation ordering and retrieval of reports, patient referral, personnel management, store distribution, equipment management, blood bank, medico legal aspects, health statistics, family planning reproductive health and maternal and child health activities. In addition, the system also caters to ancillary; hospital services such as ambulance administration, Central Sterile Services Department (CSSD), Biomedical Waste Management (BMW), operation theatre services, ICU and

Wards peripheral centers of the institution (rural and urban healthcare centers etc.) Can also be accessed from the same software, it includes a real time monitoring of patient movement, inter-hospital transfer of all patients and their hospital information, as required.

The CPMS was Inaugurated by Shri. Jagat Prakash Nadda, Honorable Minister of Health and Family welfare, Government of India on 6th June 2015.

All Out Patient Department (OPD) activity, Patient Registration- one time, bar coded, Consultation, Prescription, Investigation, Vaccination, Drugs, Injection, Physiotherapy etc. all are done online.

All Inpatient activity Admission, Patient record, medical treatment, surgical treatment and procedures, Investigation, Medicolegal and Police Formalities, Discharge, Death Certificates, Scheduling for OT, Allotment / Reservation of hospital beds and patient referral, all are done online.

Telemedicine – Telemedicine module was developed and activated for provoding appointment and consultations to the patients from the comfort and safety of their home. This provided great comfort to the patients during the COVID-19 pandemic. The telemedicine services are now integrated part of the patient care in the Institute.

Pharmacy and stores - Online procurement and distribution of drugs and pharmacy without the need to maintain registers at every Point, automatic debit of indent from pharmacy stock indent can be generated in any, OPD, ward, Theatres, Stock keeping, online tracking of pharmacy stick with warning on low levels and expiry dates.

Equipment's tracking of all hospitals equipment from bedpans to Lasers with one time online data entry.

Linen and laundry stores - tracking of all linen with one time data entry, issue, condemnations, and repairs all are tracked online.

The system tracks each cash deposit of any kind and cash exit from the hospital at all cash counters. It keeps track of refunds and generates a detailed daily cash record.

Biomedical waste generation, its transport and disposal are tracked from each collection site to the incineration site, with warning if a bag is missed. The total amount of waste generated in any hospital system is recorded category (as per safety guidelines) for monitoring purpose.

Blood Bank Management is completely online from blood donation, its storage and the issue of blood bank and all steps are monitored.

Hospital kitchen, all dietary prescriptions and tracking is done online. Diets can be prescribed only to bona-fide patient. Therefore, misuse is avoided.

All health statistics currently being collected by the department of health and family welfare such as admission, morality, infant mortality, vaccination, family planning procedures etc. are catered to by the CPMS. All works and records related to maternal and child health services can be done online and all records can be retrieved intently.

Electronic Library (E-Library): Apart from patient management services IT Cell at AIIMS Jodhpur also caters for many other services including E-library, i.e. via. E-Library E-journals can be accessed through institutional VPN Connection across the globe by our faculty and residents.

Video Conferencing: Video conferencing room with ability to perform 3 simultaneous conferences at a single time, not only we are publicize our Public Lectures live on YouTube, but OT Procedure also broadcasts to the lecture theatres here in AIIMS Jodhpur, through our in-house development we creates a robust user interfaced websites and Recruitment portal.

Miscellaneous: IT cell is providing Wireless Lan (Wi-Fi) services across the Teaching Block and Hospital area at AIIMS Jodhpur. Eduroam is a global service that enables students, researchers and staff from participating institutions to obtain Internet connectivity across campus and when visiting other participating institutions by simply opening their laptop or activating their smartphone or other portable device through Wi-Fi. This facility enables users visiting other Eduroam enabled institutions globally to get authenticated and connected to the visiting institutions network using their home institution ID and password and use it for free internet access. Also on request Institute provides direct VPN work from home facility for limited staff in urgency.

AIIMS Jodhpur has also started one dedicated SMS portal for all the patients who require a follow up visit and the reminder for the same is sent automatically to those patients 48 hours prior to their scheduled visit at AIIMS Jodhpur for follow up. This service was started this year and we have already sent around 100000 messages to the patients concerned.

Social Outreach Cell

Social Outreach Cell, All India Institute Medical Sciences, Jodhpur, Rajasthan, India

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

Following are the members of Social Outreach Cell:

S.No.	Name	Department	Social Outreach Cell
1	Prof. M.K. Garg	General Medicine	Convener
2	Prof. Raj Rani	College of Nursing	Member
3	Mr N.R. Bishnoi	Dy. Director (Admin.)	Member
4	Dr Jagdish Goel	Pediatrics	Member
5	Dr Dharmveer Yadav	Biochemistry	Member
6	Dr Ramkaran Chaudhary	General Surgery	Member
7	Dr Deepak Kumar	General Medicine	Member
8	Dr Manoj Kumar Gupta	Community Medicine & Family Medicine	Member
9	Dr Pankaj Bhardwaj	Community Medicine & Family Medicine, Coordinator, School of Public Health	Coordinator

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.

Following activities have been conducted by Social Outreach Cell from 01st April, 2021 – 31st March 2022.

Sr. No.	Date	Place	Activity	Specialty	Beneficiaries
1	13/04/2021	JNV Pachpadra School Campus	Blood Donation Camp	Blood Bank, AIIMS Jodhpur	100
2	07/10/2021	Bhagwan Mahaveer Jain Dharmshala Balotra	Community Mental Health Camp	Department of psychiatry AIIMS, Jodhpur	100
3	16/02/2022	Bhagwan Mahaveer Town hall, Barmer	Sensitization Program on Suicide Prevention at Barmer	Departments of psychiatry, CMFM, School of Public Health, Clinical Psychologist, Psychiary AIIMS, Jodhpur	300

Research Section

Composition:

S. No.	Name	Designation
1.	Dr. Praveen Sharma	Chairman – Basic & Translation Research
2.	Dr. Pankaj Bhardwaj	Officiating Dean (Research) & Vice-Dean (Research)
3.	Dr. Jay Karan Charan	Sub-Dean (Research)
4.	Dr. Deepak Kumar	Assistant Dean (Research)
5.	Dr. Abhay Elhence	Member (Research)
6.	Dr. Poonam Elhence	Member (Research)
7.	Dr. Abhinav Dixit	Member (Research)
8.	Dr. Nikhil Kothari	Member (Research)
9.	Dr. Sumit Baneerjee	Member (Research)
10.	Dr. Ravisekhar Gadepalli	Member (Research)
11.	Dr. F. S. K Brar	Chairperson, Institute Human Ethics & Drugs Trial Committee
12.	Dr. Surajit Ghatak	Chairperson, Ethics Sub Committee (Student Research)
13.	Dr. Sneha Ambwani	Chairperson, Drugs Trial Sub-Committee

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.

S. No.	Date of MoU/ Agreement	Title of MoU/ Clinical Trial Agreement	Between the Institutions	
1.	7-May-21	Academic research training purpose	All India Institute of Medical Sciences, Jodhpur	Tata Memorial Centre, Mumbai
2.	31-May-21	Effectiveness of Covaxin and Covishield vavvines againt severe COVID-19 in India, 2021: Multicentric hospital-based case control study.	All India Institute of Medical Sciences, Jodhpur	ICMR-National Institute of Epidemiology (ICMR-NIE), Chennai
3.	26-Jun-21	Telemedicine use to improve access, cost, quality of primary and secondary care of tribal people of Abu Road Tehsil of District Sirohi, Rajasthan: A Hybrid type 2 effectiveness- implementation study.	All India Institute of Medical Sciences, Jodhpur	M. L. V. Tribal Research and Training Institute, Udaipur
4.	3-Jun-21	Collaborative Research Programme	All India Institute of Medical Sciences, Jodhpur	Indian Institute of Science Education and Research (IISER), Pune
5.	7-Jul-21	Satellite Centre for Tribal Health and Research (STHR)	All India Institute of Medical Sciences, Jodhpur	Tribal Area Development Department, Rajasthan

S. No.	Date of MoU/ Agreement	Title of MoU/ Clinical Trial Agreement	Between the Institutions	
6.	26-Jun-21	A Situational Analysis of Childhood Cancer Care Services In India.	All India Institute of Medical Sciences, Jodhpur	National Centre for Disease Informatics & Research (NCDIR), Bengaluru
7.	21-Jun-21	Infection Prevention and Control (IPC)-Capacity Building- Orientation Training for COVID-19 Preparednes and IPC for Healthcare Facilities.	All India Institute of Medical Sciences, Jodhpur	JPN Apex Trauma Centre, AIIMS, New Delhi
8.	04-Sep-21	Genome India: Cataloguing the genetic variations in Indians.	All India Institute of Medical Sciences, Jodhpur	Department of Biotechnology, Ministry of Science and Technology, GoI, New Delhi
9.	11-Sep-21	Academic research training purpose	All India Institute of Medical Sciences, Jodhpur	Jodhur City Knowledge and Innovation Cluster, Indian Institute of Technology, Jodhpur
10.	27-Sep-21	Academic research training purpose	All India Institute of Medical Sciences, Jodhpur	Swami Vivekananda Yoga Anusandhana Samsthana (S-VYASA), Bengaluru, Karnataka
11.	14-Oct-21	NATIONAL (iNdian AnalgosedaTION And deKirium): Multicenter Prospective Observational Study of Currrent Analgo-Sedation Practices and the incidence of delirium in Indian ICUs: INSTINCT II Study (INhaled SedaTion IN CriTically ill patients- INSTINCT study Group).	All India Institute of Medical Sciences, Jodhpur	Indian Society of Critical Care Medicine (ISCCM), Mumbai
12.	28-Dec-21	Establishing a Sentinel Surveillance System for Adverse Event of Special Interest (AESI) following COVID-19 vaccination at All India Institute of Medical Sciences, Jodhpur.	All India Institute of Medical Sciences, Jodhpur	John Snow India Private Ltd.
13.	20-Jan-22	Database creation for computational predictive analysis of treatment response assessment in Esophageal cancer patients in India	All India Institute of Medical Sciences, Jodhpur	Maulana Azad Medical Sollege and associated hospitals
14.	16-Mar-22	Cost-Effectiveness of Pradhan Mantri Janaushadhi Pariyojna (PMJP) and its impact on Financial Risk Protection in India	All India Institute of Medical Sciences, Jodhpur	The Post Graduate Institute of Medical Education and Research (PGIMER) Chandigarh,

A total of 38 Intra-mural projects by the faculty members with a maximum grant of Rs. 5 lacs each were approved during the year:

S. No	Project/File no.	Principal Investigator	Designation	Department	Name of Project Title
1.	AIIMS/RES(09)/ 2022/768	Dr. Mayank Badkar	Assistant Professor	General Surgery	Effectiveness of multimodal analgesia regime vs Standard care during laparoscopic cholecystectomy: A randomized controlled trial.

S. No	Project/File no.	Principal Investigator	Designation	Department	Name of Project Title
2.	AIIMS/RES(09)/ 2022/769	Dr. Siddharth Mittal	Assistant Professor	Transfusion Medicine & Blood Bank	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.
3.	AIIMS/RES(09)/ 2022/770	Dr. Anubhav Gupta	Assistant Professor	Transfusion Medicine & Blood Bank	Assessing the Prevalence of Platelet Alloimmunization in Haemato-Oncology Patients.
4.	AIIMS/RES(09)/ 2022/799	Dr. Sonali Adole	Associate Professor	Anatomy	22q11.2 microdeletion studies in childrens with congenital cardiac defects in Rajasthan.
5	AIIMS/RES(09)/ 2022/789	Dr. Preethy K	Assistant Professor	Psychiatry	Development of a Psychological Wellness App for Medical Students.
6	AIIMS/RES(09)/ 2022/784	Dr. Shrimanjunath Sankanagoudar	Associate Professor	Biochemistry	Exploring the branched-chain amino acids (BCAA) metabolism pathway genes in breast cancer: A case control study.
7	AIIMS/RES(09)/ 2022/771	Dr. Bharat Paliwal	Associate Professor	Anaesthesiology & Critical Care	Comparison of preoperative genicular nerve radiofrequency ablation with conventional analgesics on post-operative outcome following total knee arthroplasty: A randomized controlled trial.
8	AIIMS/RES(09)/ 2022/794	Dr. Dharma Ram Poonia	Assistant Professor	Surgical Oncology	Protein expression analysis using Immunohistochemistry in the border line resectable oral squamous cell carcinoma treated with induction chemotherapy: Exploratory longitudinal study.
9	AIIMS/RES(09)/ 2022/787	Dr. Sameer Taywade	Assistant Professor	Nuclear Medicine	Intra-individual comparison of diagnostic utility of Tc99m-PSMA and Tc99m-MDP bone scintigraphy in patients with carcinoma prostate.
10	AIIMS/RES(09)/ 2022/772	Dr. Navratan Suthar	Assistant Professor	Psychiatry	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.
11	AIIMS/RES(09)/ 2022/773	Dr. Saurabh Singh	Associate Professor	Dermatology, Venerology & Leprology	Study of inflammatory infiltrate and HPV typing in patients with cutaneous and ano-genital warts.
12	AIIMS/RES(09)/ 2022/774	Dr. Kamla Kant Shukla	Associate Professor	Biochemistry	To investigate the efficacy of anticancer drugs with herbal combination in a rat model of prostate cancer.
13	AIIMS/RES(09)/ 2022/775	Dr. Prasunpriya Nayak	Professor	Physiology	Study of LDL receptor expression in aluminium-exposed adult rats.

S. No	Project/File no.	Principal Investigator	Designation	Department	Name of Project Title
14	AIIMS/RES(09)/2022/776	Dr. Priyanka Sethi	Associate Professor	Anaesthesiology & Critical Care	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.
15	AIIMS/RES(09)/2022/777	Dr. Aditya Baksi	Assistant Professor	General Surgery	Changes in Dehydroepiandrosterone and Cortisol Levels after Major Trauma: A Prospective Observational Study.
16	AIIMS/RES(09)/2022/778	Dr. Nikha Bhardwaj	Associate Professor	Anatomy	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.
17	AIIMS/RES(09)/2022/791	Dr. Pushpa Potaliya	Associate Professor	Anatomy	Assessment of wound vitality markers in ligature marks in a cohort of suicidal hanging.
18	AIIMS/RES(09)/2022/779	Dr. Anupama Bains	Assistant Professor	Dermatology, Venerology & Leprology	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.
19	AIIMS/RES(09)/2022/780	Dr. Aasma Nalwa	Associate Professor	Pathology & Lab Medicine	PD-1 and PD-L1 expression in sarcomas.
20	AIIMS/RES(09)/2022/781	Dr. Divya Aggarwal	Assistant Professor	Pathology & Lab Medicine	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.
21	AIIMS/RES(09)/2022/782	Dr. Balamurugan T	Assistant Professor	Pathology & Lab Medicine	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.
22	AIIMS/RES(09)/2022/783	Dr. Renu Gupta	Additional Professor	Anatomy	Association of Kinanthropometric measurements with predictors of health and happiness in the adults.
23	AIIMS/RES(09)/2022/796	Dr. Hare Krishna	Assistant Professor	Anatomy	Effect of Soy Isoflavones on Polycystic Ovary Syndrome with Insulin Resistance Induced by Letrozole Combined with High Fat Diet: Histological and Biochemical Study.

S. No	Project/File no.	Principal Investigator	Designation	Department	Name of Project Title
24	AIIMS/RES(09)/2022/792	Dr. Kumar S Abhishek	Assistant Professor	Microbiology	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.
25	AIIMS/RES(09)/2022/785	Dr. Sadik Mohammed	Associate Professor	Anaesthesiology & Critical Care	Effect of sevoflurane anaesthesia and propofol based total intravenous anaesthesia on the intraoperative myocardial protection and long term survival in patients undergoing on-pump coronary artery bypass grafting surgery: A randomized controlled study.
26	AIIMS/RES(09)/2022/790	Dr. Amit Goyal	Professor & Head	Otorhinolaryngology	Prototype development and cadaver validation of a modified tracheostomy tube.
27	AIIMS/RES(09)/2022/793	Dr. Kirtikumar J Rathod	Associate Professor	Pediatric Surgery	To develop a Whatsapp linked Chatbot for augmentation of the access to surgical care for children in Jodhpur.
28	AIIMS/RES(09)/2022/788	Dr. Maithili Karpaga Selvi	Assistant Professor	Biochemistry	Screening of KRAS mutation in circulating tumour DNA (ctDNA) of colorectal cancer and its association with clinico-pathological outcome.
29	AIIMS/RES(07)/2020/438	Dr.Purvi Purohit	Additional Professor	Biochemistry	Analysing role of GDF-15 in association with Glyco-genes their aberrant methylation leading to Drug resistence and stemness of Breast cancer.
30	AIIMS/RES(07)/2020/443	Dr.Mithu Banerjee	Additional Professor	Biochemistry	DNA methylation in promoter region of MGMT, TIMP3 & EDNRB in saliva as biomarker of head and neck cancer.
31	AIIMS/RES(07)/2020/455	Dr.Srikanth Srinivasan	Associate Professor	CMFM	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.
32	AIIMS/RES(07)/2020/436	Dr. Mahendra Lodha	Associate Professor	General Surgery	Role of newer ischdemic biomarker in suspected intestinal ischemia.
33	AIIMS/RES(07)/2020/464	Dr. Shilpi Gupta Dixit	Associate Professor	Anatomy	Mutational analysis of periampullary cancer and its correlation with clinico-pathological parameters.
34	AIIMS/RES(07)/2020/439	Dr.Manu Goyal	Associate Professor	Obstetrics and Gynaecology	Role of cell free DNA (cfDNA) as a screening marker for ovarian cancer:A Pilot study.
35	AIIMS/RES(07)/2020/431	Dr.Charu Sharma	Associate Professor	Obstetrics and Gynaecology	Camparison of cervico-vaginal microflora in infertile vs asymptomatic healthy parous women.

S. No	Project/File no.	Principal Investigator	Designation	Department	Name of Project Title
36	AIIMS/RES(07)/ 2020/428	Dr.Manisha Jhirwal	Assistant Professor	Obstetrics and Gynaecology	Correlation of maternal and fetal serum Orexin-a level with insulin resistance in GDM Patients
37	AIIMS/RES(07)/ 2020/441	Dr. Ravisekhar Gadepalli	Additional Professor	Microbiology	Clinical and Cytological profile of HPV genotypes distributed in patients with or without cervical lesions in a tertiary care center from western Rajasthan.
38	AIIMS/RES(06)/ 2018/343	Dr. Alok Kumar Sharma	Assistant Professor	Cardio-Thoracic and Vascular Surgery	A quantitative assessment of changes in inflammatory cytokines in patients undergoing surgeries with allogenic and autologous blood transfusion

A total of 01 Joint Intramural Research Project by the faculty members with a maximum grant of Rs. 10 lacs each were approved during the year:

S. No.	Project/File no.	Principal Investigator	Designation	Department	Project Title
1.	AIIMS/RES(07)/ 2020/455	Dr. Jaykaran Charan Dr. Rimplejeet Kaur	Associate Professor Assistant Professor	Pharmacology	Assessment of some important biomarkers in hypertensive patients: An analytic cross-sectional study..

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

S. No.	Title	PI from AIIMS Jodhpur	Designation	Department	Funding Agency	Funding Received
1.	WHF COVID-19 and Cardiovascular Disease Survey	Dr. Surender Deora	Associate Professor	Cardiology	World Heart Federation, Geneva, Switzerland	1,83,467.68
2.	Preoperative respiratory care and outcomes for patients undergoing high risk abdominal surgery (PENGUIN Trial)	Dr. Sanjeev Misra	Professor	Surgical Oncology	Global Surg Research Collaborative, Christian Medical College, Ludhiana	2,50,000.00
3.	Cluster randomised trial of sterile glove and instrument change at the time of wound closure to reduce surgical site infection (ChEETAh Trial)	Dr. Sanjeev Misra	Professor	Surgical Oncology	Chirstian Medical College, Ludhiana	3,00,000
4.	Development and clinical validation of markers for a point of care diagnostic kit diabetic nephropathy.	Dr. Madhukar Mittal	Additional Professor	Endocrinology & Metabolism	DBT	5,70,000
5.	Effectiveness of Covaxon and Covishield vaccines against severe COVID-19 in India, 2021: Multi-centric hospital-based test- (-)tive case control study.	Dr. Pankaj Bhardwaj	Additional Professor	Community Medicine and Family Medicine	ICMR-NIE, Chennai	3,28,500

S. No.	Title	PI from AIIMS Jodhpur	Designation	Department	Funding Agency	Funding Received
6.	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.	Dr. Pankaj Bhardwaj	Additional Professor	Community Medicine and Family Medicine	Sri Sri Institute for Advanced Research, Art of Living Internation Center, Bangalore South, Karnataka	22,00,000
7.	Assessment of urinary carcinogens level and urine cytology among industry and non-industry workers in Jodhpur	Dr. Gautam Ram Choudhary	Associate Professor	Urology	ICMR, New Delhi	18,94,936
8.	An International Multicenter, Adaptive, Randomized Double-Blind, Placebo- Controlled Trial of the Safety, Tolerability and Efficacy of Anti-Coronavirus Hyperimmune Intravenous Immunoglobulin for the Treatment of Adult Hospitalized Patients at Onset of Clinical Progression of COVID-19 INSIGHT-ITAC)	Dr. Deepak Kumar	Assistant Professor	General Medicine	ICMR, New Delhi	10,86,000
9.	Seroepidemiology, Maternal Immune Status and Missed Diagnosis of Pertussis among Young Infants in India:A Multicentric study	Dr. Vijaya Lakshmi Nag	Professor and Head	Microbiology	ICMR-NIV Pune	6,16,000
10.	Telemedicine use to improve access, cost, quality of primary and secondary care of tribal people of Abu Road Tehsil of District Sirohi, Rajasthan: A Hybrid type 2 effectiveness-implementation study	Dr. Kuldeep Singh	Professor & Head	Pediatrics	M L V Tribal Research and Training Institute, Udaipur	17,55,716
11.	Integrated Community Based Palliative Home Care of Chronic Debilitated Patients – A novice approach in Jodhpur.	Dr. Srikanth Srinivasan	Associate Professor	Community Medicine and Family Medicine	ICMR, New Delhi	21,57,568

S. No.	Title	PI from AIIMS Jodhpur	Designation	Department	Funding Agency	Funding Received
12.	Pharmacogenomics, Biochemicals,Epigenetic and population pharmacokinetic Study in TB patients-Multicentric study	Dr. Mithu Banerjee	Additional Professor	Biochemistry	ICMR, New Delhi	22,44,606
13.	Development and Validation of an Indian instrument to assess severity of substance related problems.	Dr. Naresh Nebhinani	Additional Professor & Head	Psychiatry	AIIMS, New Delhi	2,24,000
14.	Satellite Centre for Tribal Health and Research (STHR).	Dr. Kuldeep Singh	Professor & Head	Pediatrics	M L V Tribal Research and Training Institute, Udaipur	1,05,00,000
15.	Community Behavior and its determinants in relation to Malaria prevention and control in Rajasthan.	Dr. Pankaja Ravi Raghav	Professor & Head	CM&FM	ICMR, New Delhi	28,84,470
16.	Study of Bone turnover markers and BMD in Type 1 DM: A Case Control Study.	Dr. Ravindra Shukla	Associate Professor	Endocrinology & Metabolism	Indian Society for Bone & Mineral Research (ISBMR), New Delhi	2,00,000
17.	A Phase II Open-Label Randomized Controlled Trial to assess the Safety and Efficacy of Convalescent Plasma to Limit COVID-19 Associated Complications in Moderate Disease.	Dr. Archana Bajpayee	Additional Professor	Transfusion Medicine & Blood Bank	ICMR, New Delhi	1,22,000
18.	A Situational Analysis of Childhood Cancer Care Services In India	Dr. Puneet Pareek	Additional Professor & Head	Radiation Oncology	NCDIR, Bengaluru	24,500
19.	Exploring empathy, advocacy, and neglect in the context of neglected tropical disease: A mixed methods study from India.	Dr. Maya Gopal krishnan	Assistant Professor	General Medicine	Association for Medical Education in Europe (AMEE), UK	1,99,706
20.	Screening for sickle cell anemia in newborn, pregnant women (ANC) and family members in Rajasthan.	Dr. Kuldeep Singh	Professor & Head	Pediatrics	National Health Mission, Government of Rajasthan, India	1,40,50,000
21.	Establishment of a Consortium for One Health to address Zoonotic and Transboundary Diseases in India, including the Northeast Region.	Dr. Kuldeep Singh	Professor & Head	Pediatrics	National Institute of Animal Biotechnology, Hyderabad	22,96,200

S. No.	Title	PI from AIIMS Jodhpur	Designation	Department	Funding Agency	Funding Received
22.	Effcacy and safety of Panchkutta Powder in the treatment of Dyslipidemia: A Randomized open label study feasibility trial.	Dr. Jaykaran Charan	Associate Professor	Pharmacology	National Institute of Ayurveda (NIA), Jaipur	91,000
23.	Mapping the entire bidi trade in the seven largest bidi producing states, and identify gaps in legal and illicit bidi manufacture.	Dr. Pankaj Bhardwaj	Additional Professor	Community Medicine and Family Medicine	Vital Strategies for Bloomberg Tabacco Control Initiative Grants Program - India	28,31,108
24.	Women's Health and Domestic Violence against women during COVID-19 Pandemic in India: A Cross-Sectional Study.	Dr. Pratibha Singh	Professor & Head	Obstetrics and Gynecology	AIIMS, New Delhi (WHO-CC)	1,05,300
25.	Indian Multiple Sclerosis and Allied Demyelinating Disorder Registry and Research Network	Dr. Samhita Panda	Additional Professor & Head	Neurology	AIIMS, New Delhi	2,82,200
26.	IMPETUStroke: IMPlementation of an Evaluation and Treatment Package for Uniform Stroke Care and outcomes in the Medical Colleges in India: An Implementation Research Study	Dr. Samhita Panda	Professor and Head	Neurology	AIIMS, New Delhi	3,59,515
27.	ICMR's Network of Pulmonary Fibrosis	Dr. Naveen Dutt	Additional Professor	Pulmonary Medicine	ICMR, New Delhi	9,75,796
28.	Cost-Effectiveness of Pradhan Mantri Janaushadhi Pariyojna (PMJP) and its impact on Financial Risk Protection in India.	Dr. Kuldeep Singh	Professor & Head	Pediatrics	DHR, New Delhi	4,68,720
29.	A Prospective, Multicentre Randomized, Active-controlled, Observerblind, 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 Helathu Subjects.	Dr. Pankaj Bhardwaj	Additional Professor	Community Medicine and Family Medicine	Diagno Search Life Sciences Pvt. Ltd.	8,84,000
30.	Review of WHO PEN competencies in preservice courses in health and medical courses to build an NCD-ready workforce to deliver people-centred NCD services.	Dr. Pankaja Ravi Raghav	Professor and Head	CM&FM	AIIMS, New Delhi	1,98,289

S. No.	Title	PI from AIIMS Jodhpur	Designation	Department	Funding Agency	Funding Received
31.	Myocardial performance determination through non contact Ballistocardiology.	Dr. Surender Deora	Associate Professor	Cardiology	Turtle Shell Technologies Pvt. Ltd., Bengaluru, Karnataka	2,84,200
32.	Analysig the role of circulation PTEN and MicroRNAs in Immune homeostasis of TH9, TH-22 and Treg cells in Diabetic Nephropathy.	Dr. Purvi Purohit	Additional Professor	Biochemistry	Research Society for the Study of Diabetes in India (RSSDI)	2,82,685
33.	COACH (community oriented action and caring hands) approach for promoting end of life care in jodhpur,Rajasthan through participatory research methodology	Dr. Neeti Rustagi	Additional Professor	Community Medicine and Family Medicine	ICMR, New Delhi	12,60,350
34.	Do biomarkers predict bone healing in lower limb diaphyseal fractures: A Prospective Cohort Study.	Dr. Sumit Banerjee	Additional Professor	Orthopedics	AO Trauma Asia Pacific Research Grant	4,11,743
35.	Application of new tools for molecular diagnosis and survillance of post kala azar dermal leishmaniasis and cutaneous leishmaniasisin India	Dr. Saurabh Singh	Associate Professor	Dermatology	ICMR, New Delhi	2,00,000
36.	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.	Dr. Neeti Rustagi	Associate Professor	Community Medicine and Family Medicine	ICMR, New Delhi	24,44,328
37.	Prioritizing hypertension control and care by strengthening primary health care.	Dr. Pankaj Bhardwaj	Additional Professor	CM&FM	Global Health Advocacy Incubator (GHAI)	14,41,980
38.	Epidemiology of Pancreatitis and Major Gastrointestinal Diseases: A Mutli-centre Study Across India – An ICMR Task Force Project.	Dr. Pankaj Bhardwaj	Additional Professor	Community Medicine and Family Medicine	ICMR, New Delhi	20,36,908
39.	Characterization of amyloidosis in diagnostic services using western blot technique and immunogold electron microscopy.	Dr. Vikarn Vishwajeet	Assistant Professor	Pathology	SERB, New Delhi	15,27,500

S. No.	Title	PI from AIIMS Jodhpur	Designation	Department	Funding Agency	Funding Received
40.	Predictive value of progression of various stages of depression to suicide by Epigenetic modifiation of FKBP 5 gene	Dr. Puneet Setia	Additional Professor	Forensic Medicine & Toxicology	DHR, New Delhi	9,98,900
41.	Implementation of AMSP in various tertiary case centres across India.	Dr. Deepak Kumar	Assistant Professor	Medicine	ICMR, New Delhi	25,92,695
42.	A double blinded Randomized Parallel Group Active Controlled Clinical Trial Comparing the Efficacy of Mupirocin Ointment of Apex Laboratories Pvt. Ltd. with Mupirocin (T-Bact) of GSK, in the treatment of Superficial Primary Bacterial Skin Infections and skin Ulcers.	Dr. Shoban Babu Varthya	Assistant Professor	Pharmacology	Ki3, Chrompet, Chennai	1,92,037

Internal Complains Committee
on Sexual Harassment of women at Work Place

The Members of the committee are:

S.No.	Name	Post
1	Dr. Pratibha Singh	Chairperson
2	Dr. Shilpi Gupta Dixit	Member
3	Ms. Vandana Pandey	Member
4	Prof. J. Vajpai	Member
5	Dr. Pramila Acharya	Member
6	Dr. Tanuj Kanchan	Member
7	Dr. Dushyant Gehlot	Member Secretary

The committee strives for making a safe and humane condition at the Institute premises. During the year 2021-22 no case was received.

Examination Cell

The Examination Cell of AIIMS, Jodhpur was established in 2013. The following were the office bearers in year 2021-2022:-

1.	Dr. Abhinav Dixit	-	Controller of Examinations
2.	Dr. Tanuj Kanchan	-	Vice Dean
3.	Dr. Gopal Krishan Bohra	-	Sub Dean
4.	Dr. Dushyant Agrawal	-	Sub Dean
5.	Dr. Ravishekhar Gadepalli	-	Assistant Dean
6.	Dr. Shrimanjunath	-	Assistant Dean
7.	Dr. Mukesh Chandra Sharma	-	Assistant Dean

List of examinations conducted successfully:

1. Professional/ Yearly Examinations

M.B.B.S. Professional Examinations		
1.	1st Professional M.B.B.S. Examination (Batch - 2020)	September, 2021
2.	3rd Professional M.B.B.S. Examination (Batch - 2017)	Nov. – Dec. 2021
3.	1st Professional M.B.B.S. Supplementary Examination (Batch - 2020)	December, 2021
4.	2nd Professional M.B.B.S. Examination (Batch - 2019)	December 2021
5.	3rd Professional M.B.B.S. Supplementary Examination (Batch - 2017)	Jan.- Feb. 2022
6.	2nd Professional M.B.B.S. Supplementary Examination (Batch - 2019)	Feb.- March 2022

B. Sc. (Hons.) & MS. Nursing yearly Examinations		
1.	B. Sc. (Hons.) Nursing 4th Year Examinations (Batch-2017)	July 2021
2.	M. Sc. Nursing 1st Year Examinations (Batch-2020)	July 2021
3.	M. Sc. Nursing 2nd Year Examinations (Batch-2019)	July 2021
4.	B. Sc. (Hons.) Nursing 3rd Year Examinations (Batch-2018)	August 2021
5.	M. Sc. Nursing 1st Year Supplementary Examinations (Batch-2020)	September 2021
6.	B. Sc. (Hons.) Nursing 4th Year Supplementary Examinations (Batch-2017)	September 2021
7.	B. Sc. (Hons.) Nursing 2nd Year Examinations (Batch-2019)	September 2021
8.	B. Sc. (Hons.) Nursing 1st Year Examinations (Batch-2020)	October 2021
9.	B. Sc. (Hons.) Nursing 3rd Year Supplementary Examinations (Batch-2018)	November 2021
10.	B. Sc. (Hons.) Nursing 2nd Year Supplementary Examinations (Batch-2019)	November 2021
11.	B. Sc. (Hons.) Nursing 1st Year Supplementary Examinations (Batch-2020)	January 2022

2. **Semester Examinations**

M.B.B.S. Semester Examinations		
1.	8th Semester M.B.B.S. Examination (Batch-2017)	July 2021
2.	4th Semester M.B.B.S. Examination (Batch-2019)	July 2021
3.	2nd Semester M.B.B.S. Examination (Batch-2020)	August 2021
4.	6th Semester M.B.B.S. Examination (Batch-2018)	August 2021
5.	9th Semester M.B.B.S. Examination (Batch-2017)	October 2021
6.	9th Semester M.B.B.S. Special Examination (Batch-2016)	November 2021
7.	5th Semester M.B.B.S. Examination (Batch-2019)	November 2021
8.	3rd Semester M.B.B.S. Examination (Batch - 2020)	March 2022

B. Sc. (Hons.) Nursing Semester Examinations		
1.	B. Sc.(Hons.) Nursing 7th Semester (Special) Examination (Batch-2017)	April 2021
2.	B. Sc.(Hons.) Nursing 5th Semester (Special) Examination (Batch-2018)	April 2021
3.	B. Sc.(Hons.) Nursing 3rd Semester (Special) Examination (Batch-2019)	April 2021
4.	B. Sc.(Hons.) Nursing 8th Semester Examination (Batch-2017)	June 2021
5.	B. Sc.(Hons.) Nursing 8th Semester (Special) Examination (Batch-2017)	July 2021
6.	B. Sc.(Hons.) Nursing 6th Semester Examination (Batch-2018)	August 2021
7.	B. Sc.(Hons.) Nursing 4th Semester Examination (Batch-2019)	August 2021
8.	B. Sc.(Hons.) Nursing 2nd Semester Examination (Batch-2020)	September 2021
9.	B. Sc.(Hons.) Nursing 5th Semester Examination (Batch-2019)	March 2022
10.	B. Sc.(Hons.) Nursing 7th Semester Examination (Batch-2018)	March 2022
11.	B. Sc.(Hons.) Nursing 3rd Semester Examination (Batch-2020)	March 2022

Post Graduate Exit Examinations		
1.	MD/MS/MDS/DM/M.Ch. Examinations (Batch July - 2018)	May 2021
2.	MD/MS/DM/M.Ch. Examinations (Batch January-2019)	December 2021
3.	PDF Exit Examination (Various Departments)	July 2021
4.	M. Sc. (M.B.B.S.) Examination (July-2019)	June 2021

3. Recruitment / Entrance / Computer Bsed Test (CBT) Examinations

1.	Junior Engineer (Air Conditioning & Refrigeration)	April, 2021
2.	Medical Record Technician	April, 2021
3.	Health Educator (Socila Psychologist)	April, 2021
4.	Assistant Store Officer	April, 2021
5.	Assistant Engineer (Air Conditioning & Refrigeration)	April, 2021
6.	Medical Record Officer	April, 2021
7.	Tutor / Clinical Instructor (Nursing) (CBT Exam)	April, 2021
8.	Lecturer/Assistant Professor (CBT Exam)	April, 2021
9.	DM Courses (Paediatric, Pulmonology & Medical Genetics) (CBT Exam)	July, 2021
10.	Senior Resident (Various Department) Written Exam	July, 2021
11.	Senior Resident (PDCC) Written Exam	July, 2021
12.	Senior Resident (PDF) Written Exam	July, 2021
13.	Non-Academic Junior Resident (Dental) (CBT Exam)	August, 2021
14.	Medical Officer (Ayush) (CBT Exam)	September, 2021
15.	Senior Medical Officer (Ayush) (CBT Exam)	September, 2021
16.	DM Courses (Infectious Diseases & Interventional Radiology) (CBT Exam)	December, 2021
17.	Entrance Test of Admission for MPH Course	December, 2021
18.	MPH Exit Examination	December, 2021
19.	Senior Resident (Various Department) written Exam	February, 2022
20.	Senior Resident (PDCC) Written Exam	February, 2022
21.	Senior Resident (PDF) Written Exam	February, 2022
22.	Stenographer (Skill Test)	February, 2022
23.	Personal Assistant (CBT Exam)	February, 2022
24.	Personal Assistant (Skill Test)	February, 2022
25.	PACS Administrator	February, 2022
26.	Private Secretary (CBT Exam)	February, 2022
27.	Private Secretary (Skilll Test)	February, 2022

Departments

Department of Anaesthesiology and Critical Care

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

About the Department

Department of Anaesthesiology and Critical Care, AIIMS Jodhpur 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.

With the functioning of new modular OTs, we have six 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 strengthened for procedures at periphery like DSA room, MRI room, Cath-lab, Radiotherapy, ECT, and Labour analgesia. This year with inauguration of day care OT Complex, anaesthesia services are regularly provided for day care procedures like GI endoscopy, Bronchoscopy, and lithotripsy. The department has been running PAC and Pain clinic throughout the year. During COVID Pandemic, we continued the Pain and palliative care clinics through telemedicine.

The second wave of Covid pandemic, offered a unique set of challenges to all of us. Our department, conducted training sessions as a part of Covid19 preparedness, for nursing staff, residents and faculty of various specialties. Training included airway management, basic critical care and ventilator management. Similar workshop was conducted for medical officers of the district. Along with the 35 bedded Adult ICU we managed two Covid Critical Care Units with 20 beds each, during Covid pandemic. Even during the peak times of Covid with overwhelmed Covid CCU, the emergency OTs were running throughout the year and regular anaesthesia services were provided for mucormycosis cases.

On the academic front, in addition to regular PG course (12 PG students per session), DM critical care has been started and currently, in which 09 DM residents joined the program. In addition to this, department is running various fellowship programs in Pediatric Anaesthesia, Pain and palliative care, Neuroanaesthesia

and Cardiacanaesthesia. Regular seminars, case discussion and journal club are held for residents in addition to clinical teaching in operation theatres and ICU. The department switched to an online teaching platform during Covid 19 restrictions.

The department is also actively involved in training activities and conducting conferences and workshops. A virtual 12th Annual National Conference of All India Difficult Airway Association (AIDAA) (NAC2021) was organized. Regular BLS and ACLS courses are conducted for medical and paramedical staff to train them in CPR skills for the management of in-hospital cardiac arrest. This year various webinars were also organized.

Several research projects (including intramural) 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 NAC and RSACPON and third prize in KGMU national ISA Quiz. During this period, **71** papers were published in Pubmed indexed journals and **23** in non-Pubmed indexed. The department also publish a journal: 'The Indian Anaesthetists' Forum" Published by Wolters Kluwer India Pvt. Ltd. (http://www.theiaforum.org)

Compiled list of Publications of the department

PubMed Indexed:

1. Bhatia P,Mohammed S. Perioperative opioids: Are they indispensable? Journal of Anesthesiology clinical pharmacology 2022; 38(1):1-2.
2. Harsha MS, Bhatia PK, Sharma A, Sethi P. Comparison of Quantium Consciousness Index and Richmond Agitation Sedation Scale in Mechanically Ventilated Critically Ill Patients: An Observational Study. Indian J Crit Care Med 2022; 26 (4):491-495.
3. Kamal M, Kumar M, Bihani P, Mital T, Singariya G, Bhatia P. Real-time ultrasound-guided epidural catheter placement in infants: a case series. Braz J Anesthesiol 2022, https://doi.org/10.1016/j.bjane.2022.03.004.
4. Malhotra N, Koshy T, Bhatia P, Datta R, Koppal R, Jain D. The changing face of postgraduate anaesthesia teaching curriculum: Need of the hour! Indian J Anaesth. 2022;66(1):15.
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3. Shekhawat A, Kaur M, Sethi P, Bhatia P. Filter syringes: Knowing the unknown. Indian Anaesth Forum 2022;23:74-5
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Workshops/ Conferences Organized

1. 12th Annual National Conference of All India Difficult Airway Association (AIDAA) (NAC2021). AIDAA Jodhpur City branch in association with Department of Anaesthesiology and Critical Care, AIIMS, Online Platform, 29th -31st October 2021
2. American Heart Association (AHA) Certified BLS and ACLS Provider Course. AIIMS Jodhpur, 26th -28th August 2021, 21st -23rd October 2021, December 2021 and 31st March-2nd April 2022.
3. Webinar on "Research Methodology". In association with Department of Biostatics, Jawaharlal Institute of Postgraduate Medical Education & Research, Pondicherry, 25th September 2021
4. CME on "Antibiotic Resistance". Under city branch ISCCM Jodhpur, Hotel Park Plaza, 19th Feb 2022.
5. Webinar on "Know your ISA". Under ISA Jodhpur city branch, 30th March 2022.
6. Webinars on "Opportunities and scope for Anaesthesia Postgraduates-Vision from Mentors". Under ISA Jodhpur city branch, 14th Jan 2022.
7. Webinar on "OMICRON: The Upcoming Threat!!". Under ISA Jodhpur city branch, 16th Dec 2021.
8. Virtual guest lecture under Oncoanaesthesia Webinar Series on "Airway in Head and Neck Cancers" by Prof Sheila Myatra. TMH Mumbai, 5th Feb 2022
9. Virtual guest lecture under Oncoanaesthesia Webinar Series on "Effect of Anaesthesia Techniques on cancer outcome" by Prof JV Divatia. TMH Mumbai, 5th March 2022

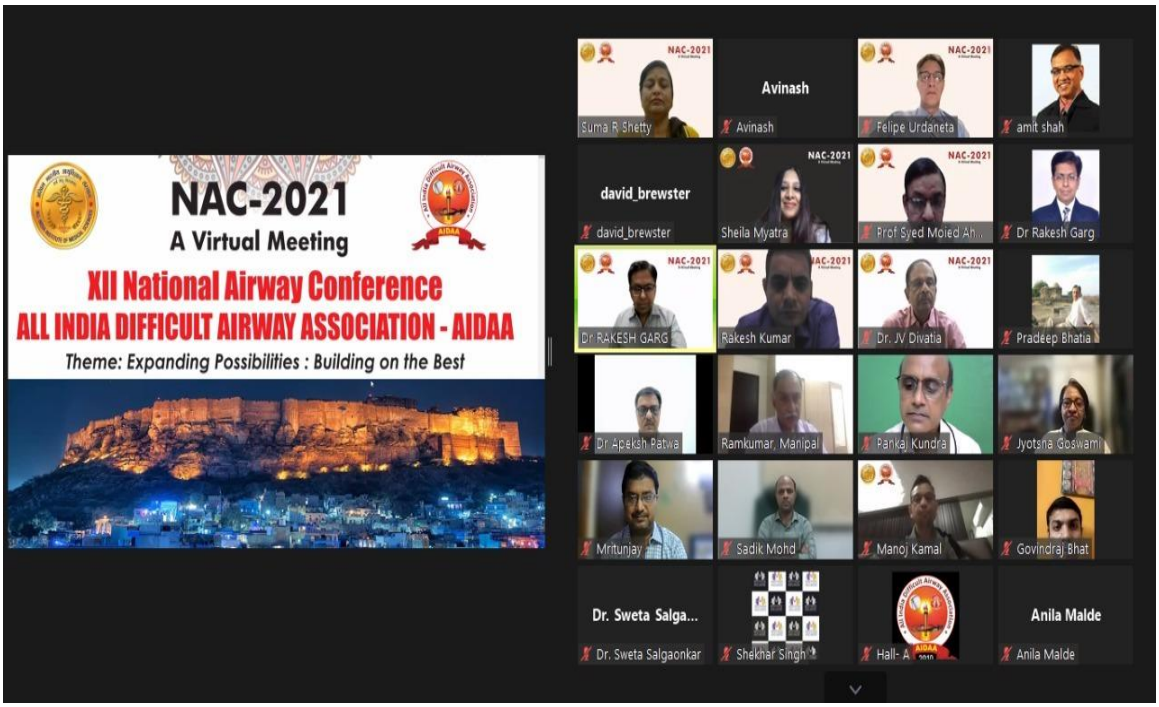
Eminent Visitors:

1. Prof Sheila Myatra, Tata Memorial Hospital, Mumbai (Virtual guest lecture**)**
2. Prof JV Divatia, Tata Memorial Hospital, Mumbai (Virtual guest lecture**)**

Any other information:

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

1. Department of Anaesthesiology and Critical Care, AIIMS Jodhpur organized the 12th National Airway Conference 2021 in collaboration with the AIDAA Jodhpur City Branch from 29th to 31st Oct 2021. The event was held in a virtual convention center featuring two auditoriums, a networking lounge, and an exhibition hall. The conference was preceded by six workshops, with more than 500 attendees. The two-day conference that followed was jam-packed with over 50 scientific sessions led by over 80 eminent speakers. More than 1500 delegates from all over the world registered. The conference drew a diverse group of national and international faculty members from over six countries who were experts in airway management in their respective countries.



A glimpse of ongoing discussion in Virtual conference

2. The department organized a training programme 'Training for airway management & Mechanical Ventilation' in AIIMS, Jodhpur. It was organized for preparation to handle the possible widespread situation due to Covid19 which we eventually faced. The participants were faculty, senior and junior residents of various specialties and nursing officers. The participants were introduced to the basics of airway management and given hands-on training on airway mannequin. The Training involved mask ventilation, securing the airway with supraglottic airway and intubation. The second important part of the training was an introduction to critical care and mechanical ventilation along with the demonstration of various modes of ventilation and troubleshooting.



Enthusiastic participants during the workshop

3. We are regularly conducting BLS and ACLS courses for medical and paramedical staff to train them in CPR skills for the management of in-hospital cardiac arrest. This year it was conducted on 26-28 August 2021, 21-23 October 2021, December 2021 and 31st March-2nd April 2022. All courses had about 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 Faculty and Participants during BLS and ACLS session

Name of faculty: Dr Pradeep Kumar Bhatia
Designation: Professor and Head

Book/Chapters:

1. Pradeep Bhatia, Bharat Paliwal, Kamlesh Kumari. Non-opioid analgesics In "Comprehensive Clinical Anesthesia" Atul P Kulkarni, Vandana Agarwal, Vijaya P Patil, Jigeeshu V Divatia (Editors) Jaypee Brothers Medical Publishers (P) Ltd. New Delhi 2022: 171-176
2. Pradeep Bhatia, Ghansham Biyani, Sadik Mohammed. Convalescent plasma therapy. In Critical Care Update 2021 Third Edition. Subhash Todi, Dhruv Choudhary, Deepak Govil, Subhal Dixit (Editors)Jaypee Brothers Medical Publishers (P) Ltd. New Delhi 2021: 307-311
3. Pradeep Bhatia, Ghansham Biyani, Sadik Mohammed. Hyperthermia and Heat Stroke. Textbook of Critical Care. Second Edition Jaypee Brothers
4. Pradeep Bhatia, Nikhil Kothari, Pankaj Bhardwaj. “Recommendations to develop Health Care Facility for COVID-19 patients at PHC/CHC/District Hospitals”

Invited Lectures:

1. “Pre op anemia: elephant in the room”. Workshop for Medical Officers of Rajasthan State on Clinician's Training on Rational Blood Use (Blood Safety Starts with Patient Blood Management), 28th March 2022, AIIMS Jodhpur
2. “Anticoagulants-Which and When for Safe Anaesthesia Practice”. 68th Annual Conference of the Indian Society of Anaesthesiologists (ISACON), 27th November 2021, Ahmedabad. (Online)

3. Participated in a panel discussion on “Airway Research and Publication: The way Forward”. NAC 2021. XII National Airway Conference by AIDAA, 30th October 2021
4. “Amalgamating Teaching, Training and COVID Care”. World Conference on COVID and Critical Care (W4C), 23rd October 2021. (Online)

5. CME Lecture “Artificial Intelligence and Machine Learning in Anaesthesiology” 30th ISACON East Zone & 33rd ISACON Bihar-Jharkhand State Conference, 23rd October 2021
6. Panel Discussion on “HFNC to enhance safe anaesthesia during perioperative period”. Rajasthan chapter of ISA and Jaipur chapter of ISA, 9th October 2021
7. Panel Discussion on “Post-Covid Scenario”. 3rd Annual Conference of Knowledge Forum, 28th August 2021
8. Panel Discussion on “COVID Vaccination and Third Wave”. Kamla Nehru College for Women, JNV University, Jodhpur, 18th July 2021

Research Projects: Ongoing

As Co-Investigator:

1. Surgical and medical management of ROCOM (Rhino-orbito-cerebral mucormycosis in COVID-19 era and its outcome.
2. Impact of conducting hand hygiene audit in COVID-19 care locations of India --A large scale national multicentric study.
3. Impact of COVID-19 pandemic on the dissertation (thesis) research work done by postgraduate trainees--Experience at tertiary care institute in Western Rajasthan.
4. Cephalometric evaluation of the proximity of the maxillary first molar roots to the palatal plane in different facial biotypes: A retrospective cross-sectional study.
5. Comparison of ultrasound and fluoroscopy guided identification of lumbar spinous process level in patients undergoing lumbar spine surgery: An observational study
6. Randomized evaluation of COVID-19 therapy (Recovery)
7. Comparison of prerecorded videos and conventional hands-on training vs conventional hands-on training for endotracheal intubation in mannequin- A Randomized Control Trial

Research Projects: Completed

As Co-Investigator:

1. To evaluate the efficacy and safety of Erector spinae plane block for postoperative analgesia after percutaneous nephrolithotomy: A Randomized Controlled Clinical Trial
2. To evaluate the efficacy and safety of continuous quadratus lumborum block for postoperative analgesia after laparoscopic nephrectomy: A Randomized Controlled Clinical Trial
3. Achievement of preoperative fasting period for clear fluids in children as per the recent recommendations: A quality improvement project
4. Vertical Integration in Postgraduate Teaching for Anaesthesiology Residents: A questionnaire based descriptive cross-sectional study
5. Effect of different fraction of inspired oxygen given intraoperatively on postoperative gas exchange: An Observational study
6. Anaesthesia for Drug Induced Sleep Endoscopy: A Retrospective descriptive study
7. A study of assessment of Thyroid, Adrenal and prolactin function in Covid-19 patients in a tertiary care hospital

8. Analysis of Trace elements, Complement factors and Coagulation Profile in Clinical outcome of COVID-19 patients - a prospective case control study
9. Clinical Outcomes and Predictors of Severity in Adult Covid-19 Patients Admitted in a Tertiary Care Hospital in Western Rajasthan
10. Effectiveness and suspected adverse effects of chloroquine/hydroxyxhloroquine in COVID-19 postive patients - A observational study
11. Outcome of COVID-19 patients on Antihypertensives
12. Analysis of single nucleotide polymorphism of ACE2 and TMPRSS2 in Diabetic and Hypertensive COVID-19 patients-a multi-centric & case control study
13. Evaluation of immunomodulatory effect of certain trace elements (Zn, Cu, Se, and Fe) and mediators of innate and adaptive immunity for stratification and risk assessment of COVID-19 patients- a prospective case-control study
14. An international randomised trial of additional treatments for COVID-19 in hospitalised patients who are receiving the local standard of care
15. Emotional Distress Among Health Professionals Involved in Care of Inpatients with COVID-19
16. Effectiveness of Awake Self Proning strategy in COVID-19: An open-labelled randomized controlled trial
17. Comparison of Air Q blocker and Baska mask in elderly patients- A prospective randomised study
18. Comparison of ultrasound-guided versus conventional palpatory method of posterior tibial artery cannulation : A randomized controlled trial
19. Case series of suspected patients of COVID-19 with SARI admitted in medical intensive care unit at a tertiary care centre after lock down in India
20. Acute Normovolemic Hemodilution in Intracranial Meningiomas, Arteriovenous Malformations and High Grade Vascular Brain Tumor Surgeries- A Prospective Randomized Controlled Study
21. Quantiferon-TB GOLD (IGRA) levels and Clinical Outcomes in COVID-19 patients
22. Psychosocial impact and coping strategies of frontline healthcare workers in Western Rajasthan during COVID-19 pandemic
23. Perioperative respiratory care and outcome for patients undergoing high risk abdominal surgery (PENgUIN Trial)
24. Evaluation of pathological findings in clinical autopsies of COVID-19 deaths at AIIMS, Jodhpur
25. Long term follow-up of patients recovered from COVID-19- A prospective cohort study
26. To study active co infections and their effect on morbidity and mortality in COVID-19 patients
27. Assessment of Use of Protection Box for intubation/extubation during COVID-19 pandemic
28. A study to assess non-productive time (NPT) and factors lead to increase NPT in operation theatres at 3rd floor OT complex, AIIMS Jodhpur
29. Unusual cases/manifestations in COVID-19
30. Safe method to deliver metabolic flow anaesthesia after nitrogenation of breathing circuit: A case series
31. Association of rotational thromboelastometry and clinical characterstics of COVID-19 patients in india: A retrospective analysis
32. Outcomes and practice pattern of first hundred high-priority elective surgical cases during COVID-19 pandemic
33. Pain management practices and patient's satisfaction post-caesarean section at AIIMS Jodhpur- a prospective, observational study
34. Utility of Pentraxin-3 and Presepsin in prognosis of sepsis in critically ill patients
35. Retrospective evaluation of neuroimaging findings in patients admitted with Covid-19 infection
36. Assessing intraoperative core temperature using Zero Heat Flux device in children undergoing surgeries by maintaining of operation theatre temperature: A prospective, observational study

37. Clinico-radiological manifestations and surgical management of COVID-19 patients developing subcutaneous emphysema
38. IPC capacity building - Orientation training for COVID-19 preparedness and IPC for healthcare facilities

Scientific Awards/ Patents:

1. Intermediate Flow Heated Humidified Nasal Oxygen (IFNO): One of the 10 start-ups selected as winners from a pool of 700+ applications of the India-Sweden Healthcare Innovation Challenge
2. IFNO Patent files for the Application No. 202211003248 Dated 20 January, 2022
3. ISA President's Appreciation Award 2021 as Clinical Coordinator ISA National Task Force on COVID, during 68th Annual National Conference of ISA at Ahmedabad, 26th November, 2021

Examinership:

1. Thesis examiner for postgraduates at PGI Chandigarh, AIIMS Patna, AIIMS Rishikesh, and UCMS Delhi for the year 2021-22
2. Thesis examiner for DM (Critical Care) at AIIMS Rishikesh for the year 2021-22

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. As a Core committee member for the management of COVID-19 cases in the institute, I was involved in the preparations of various SOPs, planning, clinical management, training and teaching to medics and paramedics of COVID patients
6. Incharge; Covid Care Center setup by the honorable MP Mr. Gajendra Singh Shekhawat at Model Industrial Training Institute
7. Chairperson; City Branch, Indian Society of Critical Care Medicine
8. President; City Branch, Indian Association of Cardiovascular and Thoracic Anaesthesiologists (IACTA)

Conference organized:

1. NAC 2021. XII National Airway Conference by AIDAA, 29th -31st October 2021
2. Four BLS and ACLS courses. 26th -28th August 2021, 21st -23rd October 2021, 2nd -4th December 2021 and on 31st March-2nd April 2022

Name of Faculty: Dr Manoj Kamal
Designation: Additional Professor

Paper Presented:

1. Kamal M, Kumar S, Kumar M, Bhatia P. Effect of anaesthetic technique on optic nerve sheath diameter (ONSD) in patients undergoing laparoscopic surgeries. 17th World Congress of Anaesthesiologists, 1st-5th September 2021. (Virtual)

Sessions Chaired:

1. Session VI Moderator, IACTACON 2022, 25th -27th March 2022, Courtyard by Marriot, Madurai.

2. Emerging Technologies in Anaesthesia, 2nd International & 12th National Conference of Indian College of Anaesthesiologists, 17th -19th December 2021, Hotel Eros, New Delhi.
3. RSACP Academic Webinar Series 2021, Theme: Art of writing and publication, 2nd December 2021, Virtual

Invited Lectures:

1. Session: Cardiology, Understanding of Valvular Lesion made easy in 68th Annual Society of Indian Society of Anaesthesiologists (ISACON-2021), 25th-28th November 2021, Ahmedabad.

Symposium Speaker:

1. Adult case discussion: As Panelist, in AIDDA National Airway Conference (NAC) 2021, 30th October 2021. (Online)

Resource Faculty:

1. 30th ISACON East Zone Conference & 33rd ISACON Bihar and Jharkhand State Conference, Ultrasound Guided Chronic Pain Management Workshop, 22nd October 2021, AIIMS Patna.
2. Assessing correct placement of DLT- Tools and techniques in National Airway Conference. NAC 2021. (Online)

Research Projects:

Ongoing:

As Co-Investigator

1. Srinivasan S, Kamal M, Bhardwaj P, Gupta M, Pareek P. Integrated community based Palliative home care of chronic debilitated Patients- A Novice approach in Jodhpur, ICMR No: 5/4/8-8/Obs./SS/2021-NCD-II, dated 19/08/2021; Grant of Rs 21,57,568 for first year
2. Rustugi N, Kamal M. “COACH (community oriented action and caring hands) approach for promoting end of life care in Jodhpur, Rajasthan through participatory research methodology”, ICMR funded
3. Inferior vena cava respiratory variability as a predictor of post induction hypotension: A prospective observational study
4. The Mid Transvers process to pleura block for post-operative analgesia in patients undergoing modified radical mastectomy: A case series
5. “Safe method to deliver metabolic flow anaesthesia after nitrogenation of breathing circuit: a case series”
6. Outcome and practice pattern of first hundred high-priority elective surgical cases during COVID-19 pandemic.
7. Measurement of epidural depth with ultrasound and its correlation with body mass index in Indian paediatric population: A observational study
8. A quantitative assessment of changes in inflammatory cytokines in patients undergoing cardiac surgeries with allogenic and autologous blood transfusion

Completed project:

As Principle Investigator:

1. Correlation of rotational thromboelastometry and clinical picture of critically ill covid-19 patients.

CO-Investigator

1. Comparison of Thoracic Epidural and Erector Spinae Plane block for analgesia following rib fracture: A Randomized open label trial
2. Telemedicine approach in palliative care of cancer patients of AIIMS Jodhpur- A pilot study on identifying delivery strategies and challenges during COVID-19 crisis.

Scientific Awards:

1. Proficiency award. Indian Society of Anaesthesiologists for invaluable contribution and outstanding services to the society, ISACON 2021, Ahmedabad, 26th November 2021
2. Best reviewer award. Indian Journal of Anaesthesia, Ahmedabad, 26th November 2021.
3. President's appreciation award 2021. In recognition of academic achievements service to Indian Society of Anaesthesiologists, Ahmedabad, 26th November 2021
4. WCA Scholarship to attend the World Congress of Anaesthesiologists, World Federation of Anaesthesiologists (WFSA), 1st -5th September 2021

Examinership:

1. External examiner for MD examination (Practical). JLN Medical College, Ajmer, 25th -26th June 2021
2. External Thesis Examiner. J L N Medical College, Ajmer, 21st March 2022
3. External Thesis Examiner. Government Medical College Kota, 20th March 2022
4. Internal Practical Examiner MD Exam. : PDCC Neuro-anaesthesia Fellowship (September 2021) June 2021 & December 2021
5. Moderation of a question paper for Assistant Professor at Rajasthan Public Service Commission (RPSC). 10th March 2022.
6. Paper setter for DA Anaesthesiology, Rajasthan University of Health Sciences 2021
7. As an external expert for the post of Assistant Professor at Rajasthan Public Service Commission (RPSC), 8th- 9th April 2021.

Membership/Post in Journal or Society or Association:

1. Member; Editorial board of Journal of Anaesthesia and Clinical Pharmacology
2. Section Editor; Pain and Palliative Care of "The Indian Anaesthetists Forum"
3. Section Editor; Cardiac Anaesthesia of Journal of Anaesthesiology and Clinical Pharmacology
4. Member; Editorial board of The Indian Anaesthetists Forum
5. Vice President; Indian society of anaesthesiologist, Rajasthan state chapter
6. Hon Secretary; Jodhpur Association of Cardiothoracic and Vascular Anaesthesiologists
7. Executive member; West Zone ISA
8. Executive member; AIDAA city branch

National/ International Conferences attended:

1. 17th World Congress of Anaesthesiologists, 1st-5th September 2021. (Virtual)
2. 16th Annual Perioperative and Critical Care Echocardiography Workshop, PGIMER Chandigarh, 11th - 13th March 2022
3. International workshop on advance statistical data analysis using SPSS, Organised by Science Tech Institute, Lucknow, UP, 21st -27th January 2022. (Virtual)

Name of Faculty: Dr Nikhil Kothari
Designation: Additional Professor

Book Chapters:

1. Singh AK, Kothari N, Sharma A, Shukla A. Whole blood in trauma. Deepak Govil (4th Ed). Critical Care Update. New Delhi: Jaypee Publisher; 2022.p.155-160.

Papers Presented:

1. Comparison of norepinephrine and terlipressin versus norepinephrine alone for management of septic shock: a randomised control study. ESAIC virtual conference, Munich, Germany, December 2021. (Online)
2. Continuous Fascia Iliaca Compartment Block for postoperative pain relief in above knee surgeries. WCA virtual conference, Prague, Czechoslovakia, September 2021. (Online)

Invited Lectures:

1. Course faculty for AHA certified BLS and ACLS courses in August 2021, September 2021, December 2021, February 2022, March 2022.
2. Faculty for panel discussion in workshop on "Video laryngoscope". Department of Anaesthesiology and Critical Care under the aegis of AIDAA society, India.
3. Setting up of COVID Triaging area, Ward area, ICU and other relevant units: USAID JHPIEGO and RISE program. 7th & 8th January 2022.

Research projects:

Chief Investigator:

1. Mutlicentric trial: NATIONAL (iNdian AnalgosedaTION And deLirium) : Multi-center Prospective Observational Study of Current Analgo-Sedation Practices and the incidence of delirium in Indian ICUs: INSTINCT II study (INhaled SedaTion INCriTically ill patients –INSTINCT study Group).
2. Pilot study to evaluate safety and usability of the Individualized System for Augmenting Ventilator Efficacy (iSAVE) ventilator splitter in mechanically ventilated patients.

Examinership:

1. MD Anaesthesia Exam. SPMC Bikaner, 27th June 2021
2. DNB Thesis assessor for the year 2021-22.

Workshops/ Conferences Organized:

1. AHA Certified, BLS and ACLS Course. AIIMS Jodhpur, 25th - 27th August 2021.
2. AHA Certified, BLS and ACLS Course. AIIMS Jodhpur, 2nd - 4th December 2021.
3. AHA Certified, BLS Course at AIIMS Jodhpur, 10th to 12th March 2021.
4. Hands on Workshop on Emergency Response & Critical Care Management for COVID-19, 7th & 8th January 2022

Name of Faculty: Dr Shilpa Goyal
Designation: Additional Professor

Books/Chapters:

Papers Presented:

1. Comparison of incidence of emergence delirium in paediatric patients with three different techniques of General Anaesthesia using Sevoflurane and Propofol: a randomized controlled trial. WCA in Prague, Czechoslovakia, September 2021. (Online)
2. Comparison of intranasal dexmedetomidine- midazolam, dexmedetomidine-ketamine and midazolam-ketamine for premedication in paediatric patients: a double blinded randomized trial. ESAIC Munich, Germany, December 2021.

Invited Lectures:

1. Training Centre Faculty (TCF). AHA certified BLS and ACLS courses
2. Course faculty in AHA certified BLS and ACLS courses. August 2021, September 2021, December 2021, February 2022, March 2022.
3. Speaker in workshop on "Videolaryngoscope". Department of Anaesthesiology and Critical Care under the aegis of AIDAA society, India, October 2021.
4. Speaker in training program. Counselling Challenges with COVID patient's relative & Emotional Outbursts. JPHEIGO, January 2022.
5. Invited faculty for the workshop on "Intravenous Fluids". LHMC ANESTHESIA REFRESHER COURSE (LARC-MTV), 7th October 2021.

Symposium Speaker:

Resource Faculty:

1. Training Centre Faculty (TCF) for AHA certified BLS and ACLS courses

Research Project:

Ongoing:

As Co-Investigator:

1. Prediction of correlation between Preoperative, Parents and their Child's Anxiety before Elective surgery- An observational study

2. Assessing intraoperative core temperature using Zero Heat Flux device in children undergoing surgeries by maintaining of Operation theatre temperature: A prospective, observational study.

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
5. To assess the role of real time telementoring during direct videolaryngoscopic assessment done by ENT residents

Completed:

As Principal Investigator:

1. Assessment of use of Protection Box for Intubation/Extubation during COVID-19 pandemic

As Co-Investigator:

1. Knowledge and attitude about Surgical Safety Checklist among surgical care practitioners of AIIMS Jodhpur
2. Assessment of use of Protection Box for Tracheostomy during COVID-19 pandemic Comparison of mid-point transverse process to pleura (MTP) block and erector spinae planeblock (ESP) for post-operative pain in modified radical mastectomy patients: A double blinded randomized trial

Scientific Awards/Patents

1. Patent for Protective Box: Filed with Indian Patent Office on 22nd Nov 2021.
2. Awarded "Certificate of Appreciation" from Indian Society of Anaesthesiologist for being a Covid warrior.

Examinership

1. External expert for MD Exams in SMSMC, Jaipur, June 2021.

Membership/Post in Journal or Society or Association -:

1. Editorial Board Member and Section editor of "Pediatric Anesthesia"; Pubmed indexed Journal "Journal of Anesthesiology and Clinical Pharmacology"
2. Editorial Board Member and Section editor of "Pediatric Anesthesia"; Online Journal "The Indian Anaesthestist's Forum" being published from Department of Anaesthesiology and Critical Care, AIIMS Jodhpur

National/ International Conferences attended:

1. WCA. Prague, Czechoslovakia, September 2021 (Online)
2. ESAIC. Munich, Germany, December 2021. (Online)
3. National airway conference. Department of Anaesthesiology and Critical Care under the aegis of AIDAA society, India, October 2021.

Any other information:

1. Theses adjudication of various Institutes in India.
2. Member of Music Committee of the Institute.
3. Member of Central Store Committee for physical verification of Consumables (Non-chemicals).

Name of Faculty: Dr Sadik Mohammed
Designation: Associate Professor

Books/Chapters:

1. Bhatia PK, Biyani G, Mohammed S. Convalescent plasma therapy. In Critical Care Update 2021 Third Edition. Subhash Todi, Dhruv Choudhary, Deepak Govil, Subhal Dixit (Editors) Jaypee Brothers Medical Publishers (P) Ltd. New Delhi 2021: 307-311.
2. Khilji MY, Mohammed S. Airway Management. In "Respiratory Emergencies" Monograph, 1St Edition, Sabir M, Vitull Gupta (editor), 2021:232-244.

3. Chhabra S, Khilji MY, Mohammed S. Cardiopulmonary Resuscitation: Clinical Pearls. In "Respiratory Emergencies" Monograph, 1St Edition, Sabir M, Vitull Gupta (editor), 2021:318-323

Papers Presented:

1. Anaesthetic technique for drug induced sleep endoscopy: A retrospective descriptive study. 98th Annual scientific meeting of the Korean Society of Anesthesiologists (KoreAnesthesia 2021), Korean Society of Anesthesiologists, 04th – 6th November 2021.

Sessions Chaired:

1. Thematic Session "World Conference on COVID Critical Care (W4C 2021)". Critical Care Foundation in association with ISCCM Agra City branch, 22nd – 24th October 2021. (Virtual)
2. Research Paper presentation. 68th Annual National Conference of Indian Society of Anaesthesiologists (ISACON 2021), by ISA Ahmedabad city branch and hosted by ISA Gujrat State branch (HYBRID mode), Shri Shakti Convention Centre, Ahmedabad, 25th – 28th November 2021.
3. Judged a Research Paper presentation session. 25th Annual National Conference of the Indian Association of Cardio Thoracic and Vascular Anaesthesiologists, by IACTA Madurai in association with IACTACON Chennai, Courtyard by Marriot Madurai, Tamil Nadu, 25th – 27th March 2022

Invited Lectures

1. DVT prophylaxis in Surgically ill patients. e-CME, Pfizer India Pvt Limited, 31st July 2021.
2. Airway Management in Neurosurgical Patients. 12th Annual National Conference of All India Difficult Airway Association (AIDAA) (NAC2021), AIDAA Jodhpur City branch in association with Department of Anaesthesiology and Critical Care, AIIMS, 29th -31st October 2021. (Virtual)
3. Moderated MEET THE EXPERT SESSION on "Challenges during tracheal extubation. 12th Annual National Conference of All India Difficult Airway Association (AIDAA) (NAC2021), AIDAA Jodhpur City branch in association with Department of Anaesthesiology and Critical Care, AIIMS, 29th – 31st October 2021. (Virtual)
4. Webinar on How to Excel in Peer- Review, Research Society of Anaesthesiology and Clinical Pharmacology (RSACP) Jodhpur city branch under the aegis of RSACP National, 2nd Dec 2021.
5. Moderated a panel discussion on "Omicron: An upcoming threat". ISA Jodhpur City Branch, 16th December 2021.
6. "Oxygen delivery devices" during Hands on Workshop on Emergency Response & Critical Care Management for COVID-19. JHPIEGO (RISE) at AIIMS, Jodhpur, 7th – 8th January 2022.

Resource Faculty:

1. COVID Preparedness Program: Training of Trainees (ToT). AIIMS Jodhpur. 7th - 8th Jan 2022.
2. COVID Training of Doctors from state primary health services.

Research Project:

Ongoing:

As Principal Investigator

1. Characterization of infections and their outcomes in diabetic patients admitted in the critical care setting: A prospective cohort study.

2. Comparison of analgesic efficacy of supra-Inguinal fascia iliaca compartment block (S-FICB) and pericapsular nerve group (PENG) block in patients undergoing hip surgery: A prospective randomized controlled study
3. Comparison of success and complication rate during Subclavian vein cannulation using ultrasound guided long-axis in-plane technique and anatomical landmark guided technique in mechanically ventilated patients: A Prospective Randomized Open Label Study

Completed:

As Principal Investigator

1. Drug Induced Sleep Endoscopy: A retrospective descriptive study.

As Co-Investigator

1. Comparison of Malposition of i-gel in Paediatric Patients after Blind and CMAC Guided Insertion- A Randomised Controlled Trial
2. MTP block for postoperative analgesia in patients undergoing modified radical mastectomy: a case series

Membership/Post in Journal or Society or Association -

1. Assistant Editor; Journal of Anaesthesiology and Clinical Pharmacology (Research Society of Anaesthesiology and Clinical Pharmacology).
2. Section Editor of book “Critical Care Update 2022”; Editor Subhash Todi et al, Publisher Jaypee Brothers Medical Publishers (P) Ltd.

National/ International Conferences attended:

1. 12th Annual National Conference of All India Difficult Airway Association (AIDAA) (NAC2021). AIDAA Jodhpur City branch in association with Department of Anaesthesiology and Critical Care, AIIMS, 29th - 31st Oct 2021. (Online)
2. 68th Annual National Conference of Indian Society of Anaesthesiologists (ISACON 2021), ISA Ahmedabad city branch and hosted by ISA Gujrat State branch (HYBRID mode), Shri Shakti Convention Centre, Ahmedabad, 25th- 28th Nov 2021.
3. 25th Annual National Conference of the Indian Association of Cardio Thoracic and Vascular Anaesthesiologists, IACTA Madurai in association with IACTACON Chennai, Courtyard by Marriot Madurai, Tamil Nadu, 25th - 27th March 2022
4. World Congress of Anaesthesiology (WCA 2021), Prague, Czechoslovakia, September 2021. (Online)

Workshops/ Conferences Organized

1. Scientific Chairperson 12th Annual National Conference of All India Difficult Airway Association (AIDAA) (NAC2021) organized by AIDAA Jodhpur City branch in association with Department of Anaesthesiology and Critical Care, AIIMS, 29th – 31st Oct 2021. (Online)
2. Webinar on “Research Methodology” in association with Department of Biostatics, Jawaharlal Institute of Postgraduate Medical Education & Research, Pondicherry, 25th September 2021
3. CME on “Antibiotic Resistance” under city branch ISCCM Jodhpur, Hotel Park Plaza , 19th Feb 2022.

Name of Faculty: Dr Bharat Paliwal
Designation: Associate Professor

Books/Chapters:

1. Pradeep Bhatia, Bharat Paliwal, Kamlesh Kumari. Non-opioid analgesics In "Comprehensive Clinical Anesthesia" Atul P Kulkarni, Vandana Agarwal, Vijaya P Patil, Jigeeshu V Divatia (Editors) Jaypee Brothers Medical Publishers (P) Ltd. New Delhi 2022: 171-176

Papers Presented:

1. e-poster presentation on Comparison of effect of caffeine and aminophylline on recovery from total intravenous anaesthesia with propofol and fentanyl in laparoscopic hysterectomy: A Randomized Controlled Trial" (ID 1989. 17th World Congress of Anaesthesiologists, 1st – 5th September 2021. (Online)

Sessions Chaired:

1. Judge for e poster-paper. AIDAA Conference 2021, 30th October 2021
2. Chairperson session Regional anaesthesia-I, 68th Annual Conference of Indian Society of Anaesthesiologists (ISA), ISACON 2021, Ahmedabad, 26th Nov 2021
3. Judge for the E-poster/paper presentation. 30th ISACON East Zone & 33rd ISACON BJSA 2021, Hotel Maurya, Patna, 24th October 2021

Invited Lectures:

1. Surgery and COVID-19: Analyzing the evidence in Webinar themed 'An Anaesthesiologist's Manual for the COVID-19 resurgence'. RSACP Jodhpur, 29th April 2021
2. "Antibiotic resistance", ISCCM City Branch. Hotel Zone by the Park, 27th August 2021.
3. Lien Collaborative Cancer Treatment Centers (CTC) 2 Case Presentation & Discussion- Managing Crisis Dyspnea, 27th January 2022
4. Session on "Palliative care in non-cancer illness". Pallium India for the Foundation course in Palliative Medicine (FCPM) by Trivandrum Institute of Palliative Sciences (TIPS) in collaborated with ECHO International (Extension for Community Healthcare Outcomes), 13th September 2021

Resource Faculty:

1. Moderator Panel Discussion: "Editor's panel to discuss the author's perspective in medical publictions". RSCPCON Webinar Series 2021, 2nd Dec 2021
2. "Intubation challenges in COVID & Hands on Airway Mannequin". COVID Preparedness Program: Training of Trainers (ToT): Gearing up for the future, AIIMS Jodhpur, 7th-8th January 2022.
3. AIDAA Conference 2021: a) HFNO workshop faculty; "HFNO after extubation" 29th October 2021. b) Expert Session on "Sterilization of airway equipment: getting it right", 31st October 2021
4. 30th ISACON East Zone & 33rd ISACON BJSA 2021, Chronic Pain Management Workshop Faculty (presentation on USG guided celiac plexus and superior hypogastric Block), AIIMS, Patna, 22nd October 2021
5. Invitation to join our live webinar on COVID awareness held on the occasion of Doctor's Day, St. Edmund's School, Malviya Nagar, Jaipur, 1st July 2021.

Research Project:

Ongoing:

As Principal Investigator

1. Evaluation of qNOX as an objective marker of analgesia and responsiveness to nociception under general anaesthesia: a prospective observational study.

As Co-Investigator

1. A comparison of insertion characteristics of various airway devices by nursing staff in an airway management trainer/manikin- An observational study.

Completed:

As Co-Investigator

1. Vertical Integration in Postgraduate Teaching for Anaesthesiology Residents: A questionnaire based descriptive cross-section study.
2. Haemodynamic changes during induction in patients on single versus combination of antihypertensive drugs, undergoing elective surgeries under General Anaesthesia: An observational Study.
3. A newer approach for thoracic paravertebral block "The mid-point transverse process to pleura (MTP) block" for post-operative analgesia in patients undergoing modified radical mastectomy: A case series.

Examinership

1. Exam Coordinator of Department of Anaesthesiology & Critical Care for MD Anaesthesiology Final practical Examination, 20th December 2021.
2. Invigilation duty for CBT Examination and Skill Test. 27th February 2022.

Membership/Post in Journal or Society or Association

1. Member; Indian College of Anaesthesiologists ICA No 1174
2. Member; Indian Association of Palliative Care (IAPC-2017-90976118)
3. Life Member; Society of Onco Anaesthesia and Perioperative Care (SOAPC): P-20/21

National/ International Conferences attended:

1. 68th Annual Conference of Indian Society of Anaesthesiologists (ISA) ISACON 2021, Ahmedabad, 25th -28th November 2021 (Online)
2. AIDAA NAC Conference 2021. AIIMS Jodhpur, 29th-31st Oct 2021 (Online)
3. 30th ISACON East Zone & 33rd ISACON BJSA 2021, Patna, 22nd -24th October 2021
4. 17th World Congress of Anaesthesiologists. 1st – 5th September 2021. (Online)

Any other information:

1. Webinar organized on "Know your ISA". 30th March 2022.
2. Organised Webinars on "Opportunities and scope for Anaesthesia Postgraduates-Vision from Mentors", 14th Jan 2022.
3. Organised Webinar on "OMICRON: The Upcoming Threat!!". 16th Dec 2021,
4. Editorial board (Section Editor) and reviewer of JOACP and The Indian Anaesthetist Forum
5. Fundamental Critical Care Support (FCCS) provider course on 20th August 2021
6. IAPC Certificate Course in Essentials of Palliative Care on 14th July 2021

7. Pain Management(e-Pain) course (Medvarsity) on 11th July 2021
8. Refresher Course in Pain and Palliative Medicine TIPS-ECHO on 10th July-28th August 2021
9. Member of Hospital Suraksha Chakra (COVID protocol surveillance) team

Name of Faculty: Swati Chhabra
Designation: Associate Professor

Books/Chapters

1. Chhabra S, Khilji MY, Mohammed S. Cardiopulmonary Resuscitation: Clinical Pearls. In "Respiratory Emergencies" Monograph, 1St Edition, Sabir M, Vitull Gupta (editor), 2021:318-323

Papers Presented:

1. Chhabra S, Rao JK, 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. 17th World Congress of Anaesthesiologists. 1st-5th September 2021 (Online)
2. Chhabra S, Mohammed S, Bhatia P, Ghatak S, Paliwal B, Soni P. Vertical Integration in Postgraduate Teaching for Anaesthesiology Residents: A questionnaire based descriptive cross-sectional study. 17th World Congress of Anaesthesiologists. 1st -5th September, 2021 (Online)

Sessions Chaired:

1. Tracheostomy and its impact on ICP, Neurocritical Care Conference 2021, 17th -19th December 2021. (Online)
2. CLABSI, NCS Asia Oceanic Virtual Conference 2021, 24th -26th September, 2021
3. Nutrition in ICU, RSACP Academic Webinar Series 2021, Theme: Critical Care. 29th July 2021

Invited Lectures

1. Malignant hyperthermia: Triggers and Management. ISACON 2021, Ahmedabad, 25th -28th Nov 2021.
2. Controversies in Hepatopancreatic Biliary Anaesthesia. SOAPCCON 2021, 25th -26th Sep 2021. (Online)
3. Double Lumen Tubes. RSACP Academic Webinar Series 2021, 17th June 2021

Resource Faculty:

1. Basics of ECG. LHMC Anaesthesia Refresher Course, 4th -6th Oct 2021, LHMC New Delhi

Research Project:

As Co-Investigator

1. Comparison of ultrasound and fluoroscopy guided identification of lumbar spinous process level in patients undergoing lumbar spine surgery: An observational study.

Completed:

As Principal Investigator

1. A comparison of insertion characteristics of various airway devices by nursing staff in an airway management trainer/manikin: an observational study. Intramural

2. Vertical Integration in Postgraduate Teaching for Anaesthesiology Residents: A questionnaire based descriptive cross-sectional study

As Co-Investigator

1. Psychosocial impact and coping strategies of frontline health care workers (HCW) in Western Rajasthan during COVID-19 pandemic

Scientific Awards/Patents

1. Proficiency Award, Indian Society of Anaesthesiologists, 27th November 2021

Examinership

1. Internal examiner. Neuroanaesthesia and neurocritical care PDF. AIIMS Jodhpur, 28th September 2021
2. MD (Anaesthesia) Thesis Evaluation. SPMC Bikaner, 10th April 2021

Membership/Post in Journal or Society or Association

1. Assistant Editor; Journal of Anaesthesiology and Clinical Pharmacology (Research Society of Anaesthesiology and Clinical Pharmacology)
2. Executive committee member; Rajasthan Society of Anaesthesiologists
3. Governing Council Member; Research Society of Anaesthesiology and Clinical Pharmacology

National/ International Conferences attended:

1. Neurocritical Care Conference 2021. 17th -19th December 2021 (Online)
2. ISACON 2021 Ahmedabad, 25th -28th November 2021
3. National Airway Conference 2021, 29th -31st October 2021
4. SOAPCCON 2021, 25th -26th September 2021 (Online)
5. Neuro Critical Society Asia Oceanic Virtual Conference 2021, 24th -26th Sep 2021 (Online)
6. 17th World Congress of Anaesthesiologists,1st -5th Sep 2021 (Online)
7. RSACP Academic Webinar Series 2021, 29th July 2021
8. RSACP Academic Webinar Series 2021,17th June 2021
9. Annual Harborview Medical Center Transcranial Doppler Conference 2021, 24th April 2021(Online)

Name of Faculty: Rakesh Kumar
Designation: Associate Professor

Papers Presented:

1. Kumar R, Chhabra S, Mohammed S, Syal R, Bhatia P. Comparison of malposition of i-gel in pediatric patients after blind and C-MAC guided insertion- A Randomised controlled trial. The World Congress of Anaesthesiologists (WCA), 1st-5th September 2021

Sessions Chaired:

1. Judged a Research Paper presentation session. 25th Annual National Conference of the Indian Association of Cardio Thoracic and Vascular Anaesthesiologists, IACTA Madurai in association with IACTACON Chennai, Courtyard by Marriot Madurai, Tamil Nadu, 25th - 27th March 2022

Invited Lectures

1. Delivered a lecture on "Is Documentation of Effective Bag Mask Ventilation before Administration of Neuromuscular Blocking Drugs Necessary: A controversy at" Scientific Chairperson of the 12th Annual National Conference of All India Difficult Airway Association (AIDAA) (NAC2021). AIDAA Jodhpur City branch in association with Department of Anaesthesiology and Critical Care, AIIMS, 29th - 31st Oct 2021. (Online)

2. Delivered a lecture on one lung ventilation at during 68th Annual National Conference of Indian Society of Anaesthesiologists (ISACON 2021), ISA Ahmedabad city branch and hosted by ISA Gujrat State branch (HYBRID mode), Shri Shakti Convention Centre, Ahmedabad, 25th- 28th Nov 2021.
3. Moderate a Panel discussion. 68th Annual National Conference of Indian Society of Anaesthesiologists (ISACON 2021), ISA Ahmedabad city branch and hosted by ISA Gujrat State branch (HYBRID mode), Shri Shakti Convention Centre, Ahmedabad, 25th- 28th Nov 2021.

Completed:

As Principal Investigator-

1. Comparison of Malposition of i-gel in Paediatric Patients after Blind and CMAC Guided Insertion- A Randomised Controlled TriaL
2. MTP block for postoperative analgesia in patients undergoing modified radical mastectomy: a case series

Examiner ship

1. M.D. Anesthesia thesis Evaluation (Batch 2019), SP Medical College and Hospital, Bikaner as an external examiner. 9th March 2022

Membership/Post in Journal or Society or Association -

1. Section Editor (Airway); The Indian Anaesthetists' Forum Journal

National/ International Conferences attended:

1. 12th Annual National Conference of All India Difficult Airway Association (AIDAA) (NAC2021). AIDAA Jodhpur City branch in association with Department of Anaesthesiology and Critical Care, AIIMS, 29th - 31st Oct 2021. (Virtual)
2. Attend 68th Annual National Conference of Indian Society of Anaesthesiologists (ISACON 2021), ISA Ahmedabad city branch and hosted by ISA Gujrat State branch (HYBRID mode), Shri Shakti Convention Centre, Ahmedabad, 25th- 28th Nov 2021.
3. 25th Annual National Conference of the Indian Association of Cardio Thoracic and Vascular Anaesthesiologists, IACTA Madurai in association with IACTACON Chennai, 25th - 27th March 2022, Courtyard by Marriot Madurai, Tamil Nadu
4. 16th Annual perioperative and critical care Echocardiography workshop, Chandigarh, 11th - 13th March 2022.

Workshops/ Conferences Organized

1. Organizing secretory of the 12th Annual National Conference of All India Difficult Airway Association (AIDAA) (NAC2021). AIDAA Jodhpur City branch in association with Department of Anaesthesiology and Critical Care, AIIMS, 29th to 31st Oct 2021. (Online)

2. Webinar on “Research Methodology” in association with Department of Biostatics, Jawaharlal Institute of Postgraduate Medical Education & Research, Pondicherry, 25th September 2021

Name of Faculty: Priyanka Sethi
Designation: Associate Professor

Papers Presented:

1. High thoracic erector spinae plane block for forequarter amputation: A new perspective”. 3rd annual conference of society of Oncoanaesthesia and perioperative care SOAPCCON, 25th -26th September 2021.
2. Comparison of midpoint transverse process to pleura block and erector spinae block for postoperative pain in MRM patients- A double blinded randomized trial”. Annual conference of European society of anaesthesia and intensive care (ESAIC), 17th – 19th December 2021.

Invited Lectures

1. Faculty for “Cannot intubate and cannot ventilate” workshop. 12th National Airway Conference (NAC) in association with All India Difficult Airway Association, 29th October 2021.

Resource Faculty:

1. Organized 12th National Airway Conference (NAC) in association with All India Difficult Airway Association, 29th - 31st October 2021.
2. Member of abstract committee for 12th National Airway Conference (NAC) in association with All India Difficult Airway Association, 29th - 31st October 2021
3. Organized Onco anaesthesia webinar series. Department of Anaesthesia and critical care, AIIMS, Jodhpur , 5th Feb - 5th March 2022

Research Project:

Ongoing:

As Principal Investigator

1. Comparison of pre-recorded videos with conventional hands-on training vs conventional hands-on training in endotracheal intubation: A randomized control trial.
2. Comparison of air q blocker and baska mask in elderly patients: A prospective randomized trial.

As Co-Investigator

1. Effect of perioperative music on recovery profile in patients undergoing abdominal surgeries under general anaesthesia: A randomized control trial.
2. Comparison of ultrasound guided versus conventional palpatory method of posterior tibial artery cannulation: A randomized controlled trial
3. Effect of dexamethasone for prevention of post spinal hypotension in parturient undergoing elective caesarean section: a double blind randomised controlled trial
4. Effect of different sitting positions on sonographic dimensions of acoustic target window of the spine: An observational study.
5. Comparison of ultrasound guided novel antero-posterior short axis in plane technique of internal jugular vein (IJV) cannulation with conventional short axis out of plane technique: A randomized control trial.

6. 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.
7. 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.
8. Effect of music on anxiety scores in patients posted for surgery under regional anaesthesia: A randomized control trial.

Completed:

As Principal Investigator

1. Comparision of mid-point transverse process to pleura (MTP) block and Erector spinae block for post-operative pain in MRM patients: A double blinded randomized control trial.
2. Haemodynamic changes during induction in patients on combination of antihypertensive drugs, undergoing elective surgeries under general anaesthesia: An observational study.

As Co-Investigator

1. Comparision of intranasal dexmedetomidine – midazolam, ketamine –midazolam and dexmedetomidine –ketamine for premedication in paediatric patients: A double blinded randomized trial.
2. A study to ascertain the concentration of propofol using target-controlled infusion to achieve bispectral index guided sedation for monitored care.
3. Effect of music on anxiety scores in patients posted for surgery under regional nerve blocks: A Randomized Control Trial.
4. Comparison of caudal dexmedetomidine and midazolam as an adjuvant to ropivacaine for post-operative pain relief in children undergoing infra-umbilical surgeries: A Prospective randomised controlled trial"

Membership/Post in Journal or Society or Association -

1. Lifetime member; Society of onco anaesthesia and perioperative care
2. Editorial board member; The IA forum journal

National/ International Conferences attended:

1. Annual conference of european society of anaesthesia and intensive care (ESAIC), 17th – 19th December 2021.
2. 3rd annual conference of society of Oncoanaesthesia and perioperative care SOAPCCON, Annual conference of Society of oncoanaesthesia and perioperative care, 25th-26th September 2021
3. 12th National Airway Conference (NAC) in association with All India Difficult Airway Association, 29th - 31st October 2021.
4. Koreanaesthesia 2021. Annual conference of Korean society of anaesthesia, 4th - 6th Nov 2021

Workshops/ Conferences Organized

1. Organized 12th National Airway Conference (NAC) in association with All India Difficult Airway Association, 29th - 31st October 2021.
2. Oncoanaesthesia webinars. 5th Feb - 5th March.

Name of Faculty: Dr. Kamlesh Kumari
Designation: Assistant Professor

Books/Chapters:

1. Pradeep Bhatia, Bharat Paliwal, Kamlesh Kumari. Non-opioid analgesics In "Comprehensive Clinical Anesthesia" Atul P Kulkarni, Vandana Agarwal, Vijaya P Patil, Jigeeshu V Divatia (Editors) Jaypee Brothers Medical Publishers (P) Ltd. New Delhi 2022: 171-176

Papers Presented:

1. Presented a paper on "To evaluate the efficacy and safety of continuous transmuscular quadratus lumborum block for postoperative analgesia after laparoscopic nephrectomy – A prospective randomized clinical trial", Euroanaesthesia 2021, 17th-19th December 2021.
2. Presented a paper on "Anesthesia Challenges and Outcome of Coronavirus Disease (Covid-19) Associated Mucormycosis: An Observational Study", World Congress of Anaesthesiologists 2021, 1st-5th Sept 2021.
3. Presented a paper on "Cell Saver' a 'Life Saver' in a case of ruptured ectopic pregnancy with severe anaemia and positive anti-e antibodies", World Congress of Anaesthesiologists 2021, 1st-5th Sept 2021.
4. Presented a paper on "Ultrasound guided continuous transmuscular quadratus lumborum block for postoperative analgesia after laparoscopic nephrectomy - A case series" during 98th Annual scientific meeting of the Korean Society of Anesthesiologists (KoreAnesthesia 2021), The Korean Society of Anesthesiologists, 4th to 6th Nov 2021.

Sessions Chaired:

1. Judge for oral/poster presentation at XII National Airway Conference 2021, 29th -31st October 2021.

Invited Lectures:

1. Delivered lecture on: 'Cricothyroidotomy – Other Techniques' for workshop 'Complete Ventilation Failure', XII National Airway Conference 2021.
2. Moderated Case Based Discussion on "Airway in Head and Neck Cancers" in Oncoanaesthesia Webinar Series, Department of Anaesthesiology and Critical Care, AIIMS Jodhpur, 5th Feb 2022
3. Moderated a Panel Discussion on "Effect of Anaesthesia Techniques on cancer outcome" in Oncoanaesthesia Webinar Series, Department of Anaesthesiology and Critical Care, AIIMS Jodhpur, 5th March 2022

Resource Faculty:

1. Course faculty in AHA certified BLS and ACLS courses, AIIMS Jodhpur, August 2021, December 2021, and March 2022
2. Course faculty in ATLS Provider course, AIIMS Jodhpur, July 2021, November 2021 and February 2022
3. Member of abstract committee for 12th National Airway Conference (NAC) in association with All India Difficult Airway Association, 29th - 31st October 2021

Research Project:

Ongoing:

As Principal Investigator:

1. Effect of different fraction of inspired oxygen given intraoperatively on postoperative gas exchange: An Observational study

As Co-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.
2. Impact of COVID 19 pandemic on the dissertation (thesis) research work done by postgraduate trainees- Experience at tertiary care institute in western Rajasthan.
3. Comparison of short-axis out of plane versus long-axis in plane approach in ultrasound-guided dorsalis pedis artery cannulation: A randomized controlled trial.
4. Anaesthesia management of Total (Transthoracic and Transabdominal) Robotic Radical Three-Stage Esophagectomy- Our experience – A Retrospective analysis.
5. Comparison of prerecorded videos with conventional hands-on training vs conventional hands-on training in endotracheal intubation – A Randomized Control Trial.

Research Project Completed:

As Principal Investigator:

1. Psychosocial impact and coping strategies of frontline healthcare workers in Western Rajasthan during COVID-19 pandemic
2. Perioperative anesthesia challenges and outcomes of patients with Rhino-Orbito-Cerebral Mucormycosis during the second wave of COVID-19 pandemic: An observational study.
3. To evaluate the efficacy and safety of continuous quadratus lumborum block for postoperative analgesia after laparoscopic nephrectomy – A prospective randomized clinical trial

As Co-Investigator:

1. Pain management practices and patient's satisfaction post-caesarean section at AIIMS Jodhpur- a prospective, observational study.

Scientific Awards/Patents:

1. Awarded Scholarship by WFSA for attending the 17thWorld Congress of Anaesthesiologists 2021, 1st - 5th September 2021.
2. Awarded Submission Grant by Korean Society of Anesthesiologists for KoreAnesthesia 2021, 4th-6th Nov 2021

Membership/Post in Journal or Society or Association

1. Lifetime Member; Indian Association of Paediatric Anaesthesia (IAPA)
2. Reviewer; Indian Journal of Anaesthesia, Journal of Anaesthesiology and clinical pharmacology, BMJ Case Report & The Indian Anaesthetists Forum.
3. Executive Member; Rajasthan Society of Anaesthesiologists.

National/ International Conferences attended:

1. 17th World congress of Anaesthesiologists 2021. 1st -5th Sept 2021

2. Euroanaesthesia 2021, European Society of Anaesthesiologists, 17th -19th Dec 2021
3. Koreanaesthesia 2021(Annual conference of Korean society of anaesthesia). 4th -6th Nov 2021
4. 12th National Airway Conference held on 29th-31st October 2021 and Workshop of complete ventilation failure, 29th October 2021
5. National AOA Conference, September 2021
6. Workshop "Labour Analgesia" at National AOA Conference, September 2021

Name of Faculty: Dr Darshana Rathod
Designation: Assistant Professor

Papers Presented:

1. Rathod D, Kumari K, Meshram T, Sangamala VPK, Sethi P, Bhatia P. Incidence of difficult airway in patients with Mucormycosis- an epidemic amidst COVID19 pandemic- A retrospective study. European Journal of Anaesthesiology Volume 38, e-Supplement 59, Dec 2021. Euroanaesthesia 2021. 17th -19th Dec 2021.
2. Rathod D, Pal N, Meshram T, Kumari K. Airway Challenges in an adult with neglected cleft palate associated with Hemifacial Microsomia- Be ready for the Unforeseen. KoreAnesthesia 2021. 4th -6th Nov 2021.

Sessions Chaired:

1. Judge for oral/poster presentation at XII National Airway Conference 2021, 29th-31st October 2021

Research Project:

Ongoing:

As Principal Investigator

1. Study of prevalence of anemia and its effect on postoperative outcome in pediatric patients undergoing surgeries at a tertiary care centre in Western Rajasthan – An observational study.
2. Impact of COVID 19 pandemic on the dissertation (thesis) research work done by postgraduate trainees- Experience at tertiary care institute in western Rajasthan.

Co-Investigator:

1. 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.
2. Anaesthesia management of Total (Transthoaracic and Transabdominal) Robotic Radical Esophagectomy- Our experience.
3. Perioperative anesthesia challenges and outcomes of patients with Rhino-Orbito-Cerebral Mucormycosis during the second wave of COVID-19 pandemic: An observational study
4. EAGLE safe-anastomosis study by ESCP.
5. Comparison of prerecorded videos with conventional hands-on training vs conventional hands-on training in endotracheal intubation – A Randomized Control Trial.
6. Comparison of oxygen delivery devices in Postoperative Patients with Hypoxemia, An Open labelled Randomised controlled trial.

7. Effect of Perioperative Music on recovery profile in patients undergoing abdominal surgeries under general anaesthesia: A Randomised controlled trial.

Completed:

As Principal Investigator

1. Pain management practices and patient's satisfaction post- caesarean section at AIIMS Jodhpur- a prospective, observational study.

Co-Investigator:

1. Perioperative anesthesia challenges and outcomes of patients with Rhino-Orbito-Cerebral Mucormycosis during the second wave of COVID-19 pandemic: An observational study.
2. Effect of Perioperative Music on recovery profile in patients undergoing abdominal surgeries under general anaesthesia: A Randomised controlled trial

Scientific Awards/Patents

1. Awarded ACLS/BLS provider certification along with Instructor Potential (IP).
2. Completed 10 days Foundation course in palliative care at BMCHRC Jaipur.
3. Cleared the "Certificate Course in Essentials of Palliative Care (CCEPC)" conducted by IAPC.
4. Awarded the scholarship by WFSA for attending virtual World Congress of Anaesthesiologists 2021.
5. Won the full bursary for Euroanaesthesia 2022 in person, to be organized by European Society of Anaesthesiology and critical care, 4^{th} -6^{th} June 2022.

Membership/Post in Journal or Society or Association

1. Member; Academy of regional anaesthesia (AORA)
2. Reviewer; Journal of Anesthesia and Clinical Pharmacology
2. Reviewer; Oman Medical Journal

National/ International Conferences attended:

1. Academy of Regional Anaesthesia 2021, 16^{th} -18^{th} April 2021 (Online)
2. Singapore Anaesthesia Refresher Course (Virtual SARC 2021), 10^{th} -11^{th} July 2021.
3. Basic Data Analysis using SPSS, Research Methodology Foundation Course, Department of Community Medicine, AIIMS Patna, 27^{th} -31^{st} July 2021.
4. 17^{th} World congress of Anaesthesiologists 2021, Virtual. 1^{st} -5^{th} September 2021
5. Euroanaesthesia 2021, European Society of Anaesthesiologists, 17^{th} -19^{th} December 2021
6. Koreanaesthesia 2021(Annual conference of Korean society of anaesthesia). 4^{th} -6^{th} November 2021
7. 12^{th} National Airway Conference held on 29^{th}-31^{st} October 2021 and Workshop of lung isolation, 29^{th} October 2021

Name of Faculty: Dr Tanvi Meshram
Designation: Assistant Professor

Papers Presented:

1. Meshram T ,Aneejwal H ,Rathod D, Kumari K.Mepilex Taping for repeated cuff rupture during Double lumen tube insertion: A case report and review of literature- Koreanesthesia 2021. 4^{th} -6^{th} Nov 2021

2. Meshram T, Aneejwal H, Rathod D, Kumari K. Right Decortication in a patient with Left Pulmonary artery embolism- Koreanesthesia 2021. 4th -6th Nov 2021
3. Meshram T, Das A, Rathod D, Kumari K. Depression as Meningitis Mimic in a Patient with COVID 19 infection. W4C. (2021). World Conference on Covid and Critical Care. 22nd -24th Oct 2021

Sessions Chaired:

1. Judge for oral/poster presentation at XII National Airway Conference 2021, 29th-31st October 2021

Research Project:

Ongoing

As Principal Investigator

1. Anaesthesia management of Total (Transthoaracic and Transabdominal) Robotic Radical Esophagectomy- Our experience

As Co-Investigator

1. Comparison of spinal mannequin-based simulation teaching with conventional didactic method of teaching subarachnoid block in novices: a randomized controlled trial
2. Comparison of the effect of intra cuff Normal saline, Dexamethasone or ketamine for prevention of post-operative sore throat: A randomized controlled trial
3. 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.
4. 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
5. Impact of COVID 19 pandemic on the dissertation (thesis) research work done by postgraduate trainees- Experience at tertiary care institute in western Rajasthan.

Completed:

As Co-Investigator

1. Perioperative anesthesia challenges and outcomes of patients with Rhino-Orbito-Cerebral Mucormycosis during the second wave of COVID-19 pandemic: An observational study

Membership/Post in Journal or Society or Association -

1. Reviewer; Indian Anesthetist forum
2. Reviewer; Journal of Anesthesiology and clinical pharmacology

National/ International Conferences attended:

1. AORA 2021- 16-18 April 2021, -virtual
2. 17th World congress of Anaesthesiologists 2021. 1-5 Sept 2021-virtual
3. Koreanesthesia 2021. 4-6 Nov 2021-virtual
4. Data Management Tools for Researchers organized by Wiley on **13th July- virtual**
5. Neurocritical care 19 th annual meet-virtual, 26-29 October 2021
6. 7th CLBS (centre for liver and biliary sciences)-virtual,17-19 September 2021
7. Ist W4C (world conference of covid critical care)-virtual,22-24 october 2021

Name of faculty: Dr Manbir Kaur
Designation: Assistant Professor

Papers Presented:

1. Kaur M, Bhatia PK, Sharma U, Solanki RK. Anesthesic nuances in Segawa syndrome. WCA 2021, 17th World Congress of Anaesthesiologists held at Prague, Czech Republic, 2nd September 2021
2. Kaur M. Faculty talk on the topic "Trouble-shooting SGAs" in the workshop. AIDAA-NAC 2021, 12th National Airway Conference, 29th-31st October 2021, AIIMS Jodhpur
3. Kaur M., Sethi P., Singh G., Bhatia P. "Comparison of neuraxial acoustic window in Hamstring Stretch Position (HSP) and Title Cross Legged Position (CLP): an Observational Study", Euroanaesthesia 2021, 17th-19th Dec, Munich
4. Kaur M, Singh R, Anushaprasath, Chhabra S, Sethi P, Bhatia P. "Tapia's syndrome: An unanticipated airway complication", ISNACC 2022, 21st-23rd January, Kolkata

Session Chaired:

1. Moderated the session of Meet the experts regarding "Sterilization of airway equipment: getting it right", 31st October in AIDAA-NAC 2021, 12th National Airway Conference, 29th-31st October 2021, AIIMS, Jodhpur

Invited Lecture:

1. "Trouble-shooting SGAs" in the workshop on 29th October in AIDAA-NAC 2021, 12th National Airway Conference held, 29th-31st October 202, AIIMS Jodhpur

Research Projects: Ongoing

Principal Investigator:

1. Acute Normovolemic Hemodilution in Intracranial Meningiomas, Arteriovenous Malformations and High-Grade Vascular Brain Tumor Surgeries - A Prospective Randomized Controlled Study
2. Comparison of ultrasound and fluoroscopy guided identification of lumbar spinous process level in patients undergoing lumbar spine surgery: An observational study

Co-Investigator:

1. Effect of different sitting positions on sonographic dimensions of acoustic target window of the spine: An observational study
2. 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
3. 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
4. A Prospective Randomized Controlled Study of fluorescein guided resection versus non- fluorescein guided resection of high-grade gliomas
5. Comparison of the effect of intra cuff Normal saline, Dexamethasone, or ketamine for prevention of post-operative sore throat: A randomized controlled trial

6. Comparison of prerecorded videos and conventional hands-on training vs conventional hands- on training for endotracheal intubation in mannequin - A Randomized Control Trial
7. 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.

Membership:

1. Member; SNACC (Society for Neuroscience in Anesthesiology and Critical Care)
2. Life member; RSACP (Research society of Anaesthesiology Clinical Pharmacology) - Membership no. M-359-L
3. National membership; AIDAA (All India Difficult Airway Association) - Membership number is 21/K - 115.
4. Life Member; National Academy of Medical Sciences (India)-MNAMS 2022

National / International Conferences Attended

1. 17th World Congress of Anaesthesiologists held at Prague, Czech Republic, 01st -05th September 2021
2. ASA certification for participation in 2021 SNACC 49th Annual Meeting 10th -12th September 2021 (Virtual USA)
3. Workshop on Point of Care Ultrasound (POCUS) in Neurocritical Care during NCS Asia Oceanic Chapter Annual Meet 2021, 24th September 2021
4. AIDAA-NAC 2021, 12th National Airway Conference held, 29th-31st October 2021 and Workshop of Supraglottic Airway Devices, 29th October 2021, AIIMS Jodhpur
5. Euroanaesthesia 2021, 17th-19th Dec, Munich
6. IONM workshop, ISNACC 2022, 21st January 2022, Kolkata
7. 'Radiology for anaesthesiologists' workshop ISNACC 2022, 23rd January 2022, Kolkata

Other Achievement:

1. Clinical Observer ship at Pain & Spine Centre (Charlottesville, Virginia, USA) from 14/02/2022 to 27/02/2022.

Name of Faculty: Dr Ankur Sharma
Designation: Associate Professor (Trauma & Emergency)

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. Pushpa Potaliya	Associate Professor
7.	Dr. Sonali Adole	Associate Professor
8.	Dr. Nikha Bhardwaj	Associate Professor
9.	Dr. Hare Krishna	Assistant Professor

About the Department

The Department of Anatomy came into existence in 2012, ever since it has been providing a tradition of excellence in undergraduates and postgraduates teaching and research programmes. The diverse expertise of our faculty members and well-planned curriculum enables the students to develop a concrete foundation in the subject. The department seeks to explore teaching-learning through group activities, seminars, internet-based learning tools, virtual dissection tables, small group teaching, and well-paced assessments. Post Graduate activities involve seminars, journal club, and microteaching on regular basis.

The research activities by faculties and essential lab facilities are kept pace with recent advances to provide the best possible learning.

The department has a Surgical Cadaver Skill Lab which was conceived with an objective to provide for a full range of motor skills development, especially in the areas of surgical skills training for all specialties.

The state-of-art museum upholds a collection entailing a wide range of specimens, dissected with prodigious skill, carefully crafted embryology models, and Hand-made models of neuroanatomy prepared by students.

In-house collection of bones is created by a new bone retrieval technique.

The department is regularly involved in community awareness and various programmes to motivate body donation. The department received 9 voluntary donated bodies and 58 volunteers have registered for voluntary body donation in the period April 2019-March 2020. We did embalming of 8 bodies of Armed Forces/Paramilitary Forces for transportation to native place for last rites.

Research Activities -

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
- Aluminium toxicity on Rat

Future plans

The department is determined to develop the following facilities:

- Prenatal, Neonatal & Paediatric Anatomy museum
- Ultrasonography
- Tissue culture lab
- Molecular diagnostic lab
- Transmission electron microscope lab

Facilities at the Department

1. Dissection Hall: Well-equipped dissection hall with Cold storage facility occupying 12 cadavers maintained at -2℃. It is fully air-conditioned with virtual dissection display which are regularly used. There are five storage tanks to accommodate 50 human cadavers. There is Electric band saw facility for the sectioning. For cadaveric preservation, Phenoxyethanol is used which has added advantage as it is a non-toxic, non-carcinogenic and non-irritant as compared to formaldehyde.
2. Histology Lab: More than 4,000 H & E and 25 special stained histology slides prepared in-house. There is a demonstration microscope with camera for image capture with 50-inch LCD TV for projection. The lab is also equipped with automated paraffin embedding unit, freezing microtome etc. An inverted microscope and a high end binocular microscope is also there for research work.
3. Museum: 103 prosected and potted specimens of gross anatomy and 53 Bone sets are in the Bone Bank. It has a Histology, digital x-ray and cross-sectional anatomy wall mounted gallery and has 73 models of developmental anatomy.
4. Demonstration room: Two demonstration room with Audio-Visual facilities are there, with one having a Digital Visualiser for teaching-learning.
5. Seminar Room cum Departmental Library: The department library has adequate number of books for the study references.
6. Research Lab: It has central facilities related to cytogenetics work. The department has diagnostic facility to detect bladder carcinoma and BCR/ABL-1 translocation (9:22) for CML through FISH technique. The karyotyping and FISH are also done.
7. Burial Ground: It is located near Mortuary. Burial followed by exhumation is done for bone retrieval.
8. Surgical Cadaver Skill Lab: It is located adjacent to the Mortuary of the Institute.

Compiled list of Publications of the department:

Papers

Pubmed Indexed:

1. Gupta R, Nayyar AK, Ghatak S. Tibio-femoral Angle Assessment and Its Radiological Co-relation in Healthy Rajasthani Population. Mymensingh Med J 2022; 31 (1): 252-257.
2. Nayyar AK, Bhagat OL, Gupta R, Ghatak S. Carrying Angle in Population of Western India: Normative Value. Mymensingh Med J 2021; 30 (3): 835-839. PMID: 34226476

3. Gupta R, Nayyar AK, Gupta MK, Bhagat OL. Sex Determination in Western Indian Population by Limb Measurements. Mymensingh Med J 2021; 30 (3): 830-834.
4. Sharmaa S, Dixit SG, Khera PS, Nayyar AK, Ghatak S. Morphometric Analysis of parameters of Internal Carotid Artery - Potential Clinical Implications. Neurol India. 2021; 69(6):1722-28.
5. Nair NP, Sharma V, Dixit A, Goyal S, Dixit SG, Goyal A, Misra S. Barrier enclosure in tracheostomy: A protective box for health care workers in COVID-19 Pandemic. J Laryngol Otol. 2022; Jan 20:1-13.
6. Warrier V, Kanchan T , Garg PK , Dixit SG , Krishan K , Shedge R . CT-based evaluation of the acetabulum for age estimation in an Indian population. Int J Legal Med. 2022.
7. R Shedge, T Kanchan, PK Garg, SG Dixit, V Warrier, K Krishan. Age estimation from sternebral fusion in an Indian population–A computed tomographic evaluation. Legal Medicine 53, 101951
8. Swami A, Yadav T, Varshney VK, Sreenath KS, Dixit SG. Hepatic Arterial Variations and Its Implication During Pancreatic Cancer Surgeries. J Gastrointest Cancer 2021; Jun;52(2):462-470.
9. Shedge R, Kanchan T, Warrier V, Dixit SG, Krishan K. Forensic age estimation using conventional radiography of the medial clavicular epiphysis: A systematic review. Medical Science and Law 2021; Apr;61(2):138-146.
10. Mishra S, Ghatak S, Agrawal D, Singh P, Garg PK: Reference Charts of Fetal Biometric Parameters at Different Gestational Age Groups in Indian Population; Mymensingh Med J 2021; 30 (2): 538-546.
11. Deora S, Agrawal D, Choudhary R, Kaushik A, Tejas M. Patel: Anatomical snuff box approach for percutaneous coronary interventions – Current status; Indian Heart J 2021; 73(5): 539–543.
12. Mirdha P, Nalgirkar V, Patil A, Potaliya P, Gupta VK. Effect of Carbohydrate Loading on Resistance Exercise and Muscle Mass: A Prospective Study. Mymensingh Journal. 2021; 30(3): 826-9
13. Bhardwaj A, Joshi A, Kataria DS, Katariya G. Analysis of Perception of Students and Faculty on Case-Based Early Clinical Exposure in first-year Medical Students in Mymensingh Medical Journal- Paper Accepted
14. GBD Collaborators Anemia prevalence in women of reproductive age in low- and middle-income countries between 2000 and 2018. October 2021.Nature Medicine 27(10):1-22
15. GBD 2019 Under-5 Mortality Collaborators. Global, regional, and national progress towards Sustainable Development Goal 3.2 for neonatal and child health: all-cause and cause-specific mortality findings from the Global Burden of Disease Study 2019. LANCET. Vol 398/ issue10303/2021
16. GBD Collaborators. Mapping inequalities in exclusive breastfeeding in low- and middle-income countries, 2000-2018.Nature Human Behaviour. Vol 5, 1027–1045 (2021).
17. GBD Collaborators. Measuring routine childhood vaccination coverage in 204 countries and territories, 1980-2019: a systematic analysis for the Global Burden of Disease Study 2020, Release 1. Lancet Volume 398, Issue 10299, 503-521.2021-08-07
18. GBD Collaborators. Spatial, temporal, and demographic patterns in prevalence of chewing tobacco use in 204 countries and territories, 1990-2019: a systematic analysis from the Global Burden of Disease Study 2019. The Lancet Public Health. Volume 6, Issue 7, July 2021
19. GBD Collaborators. Spatial, temporal, and demographic patterns in prevalence of smoking tobacco use and attributable disease burden in 204 countries and territories, 1990–2019: a systematic analysis from the Global Burden of Disease Study 2019. Lancet. Volume 397, Issue 10292, 2337-2360. 2021-06-19
20. Vishwajeet V, Krishna H, Ghatak S, Elhence PA, Ambwani S, Varhtya SB. Renal Histopathological changes in COVID-19 Patients: A Systematic Review and Meta-analysis of Individual Patient Data-Accepted in Saudi Journal of Kidney Diseases and Transplantation 2021.

Non-Pubmed Indexed:

1. Ghatak S, Agrawal D, Deka D, Faizal M. High up Division of Median Nerve with Vascular Malformations: A case report; Afr. J. Health Sci. 2021 34(3): 401-405.

2. Nebhinani N, Dwivedi N, Potaliya P, Ghatak S, Misra S, Singh K. Perception of Medical students for Faculty and Peer Mentorship program: An Exploratory Study from North-Western India (NN). J Ind Association Child Adolescent Mental Health. 2021; 17(3):143-153.
3. Suyashi S, Sharma RS, Adole S, Dixit SG, Ghatak S. Anatomic Variant of Retrogressive Palmaris Longus: A Case Report. Int J Anat Var. 2021;15(4):169-170
4. Ghatak S, Adole S, Deka D, Faisal M. Third head of biceps femoris muscle - A case report. Int Surg journal 2021;8(4):1343-1346
5. Krishna H, Sharma T, Tanwar P, Ghatak S, Nayak P. Effects of Acute Aluminium Exposure on Liver Cytoarchitecture of Adolescent Female Wistar Rats. Int J Clin Exp Physiol 2022; 8(4):140-43.
6. Varhtya SB, Krishna H. Chemical characterization, adverse effects and Potential toxicological effects of Medical devices applied in gastrointestinal disease: A Review". Int J Basic Clin Pharmacol 2021; 10(11):1317-1323.

Preprints:

1. Krishna H, Motwani R, Kumari C, Sahni C, Kumar A et al., (2022). Evaluation of safety concerns for COVID-19 immunization of pregnant women: A systematic review of emerging evidence. Research square. DOI:10.21203/rs.3.rs-1102008/v1
2. Kumar A, Asghar A, Raza K, Narayan RK, Jha RK, Sahni C, Kumari C, Krishna H, et al., (2021). Demographic characteristics of SARS-CoV-2 B. 1.617. 2 (Delta) variant infections in Indian population. medRxiv. 2021 Jan. DOI: 10.1101/2021.09.23.21263948
3. Kumar G, Dwivedi P, Asghar A, Narayan RK, Krishna H, Kumar A, et al., (2021). Severity of illness assessed in vaccine breakthrough infections during second COVID-19 wave in India: A questionnaire-based study. DOI: 10.13140/RG.2.2.19320.37128

Workshop organized:

1. 22nd Annual Conference of Skull Base Surgery Society of India “SKULLBASECON 2021”. Organized by the Department of Anatomy, AIIMS, Jodhpur, 22nd-23rd October 2021.
2. Cadaveric Multi-Organ Retrieval Workshop. Department of Anatomy in collaboration with the Department of Surgical Gastroenterology, Urology, and Cardiothoracic & Vascular Surgery, AIIMS, Jodhpur, 26th March 2022

Name of Faculty: Dr. Surajit Ghatak
Designation: Professor and Head

Paper Presented:

1. Krishna H, Sambhav K, Dixit SG & Ghatak S. Morphological Study of Variation of the Human Cadaveric Liver and Its Clinical Implication. Organized by Department of Anatomy, Yong Loo Lin School of Medicine, Singapore on 21st -23th February 2022.
2. Krishna H, Faizal M, Dixit SG & Ghatak S. Parotid Gland with Triplet Duct: A Rare Anatomical Variation. For AnSync-2021 Scientific Event; 16-17 July 2021, Organized by Sree Balaji Medical College and Hospital, Chennai on 16th -17th July 2021.

Sessions Chaired:

1. Chaired a session in National CME themed "Micrometry in Microscopic Image Analysis using ImageJ Software" organized by Department of Anatomy, JIPMER, Pondicherry on 12 Feb 2022.
2. Chaired a session of a Guest Lecture entitled "The Anatomists at the Crossroads", 68th NATCON of ASI, The Anatomical Society, King George's Medical University UP Lucknow, 30th January 2022

Research Project:

Ongoing:

As Co-Investigator

1. Relation of Radial Nerve to superficial bony landmarks – A cadaveric study
2. Prevalence of Numerical Chromosomal Aberrations in Acute Lymphoblastic Leukemia in Western Rajasthan Population: Pilot Study
3. Vascular basis of expandable forearm muscles for proximal and distal based muscle flaps
4. Development of an AI platform to improve human health. Extramural project with IIT Jodhpur. Funded by Ministry of Electronics and Information Technology (MeitY), Government of India.

Completed:

As Co-Investigator

1. Morphometry of Anterior Cruciate ligament in Knee joint- A cadaveric study

Examinership:

1. Practical examination of MD/MS Main Exam Anatomy S.N. Medical College, Jodhpur. 29th & 30th June 2021
2. Meeting of Standing Selection Committee) Standing Committee as Subject Expert for Recruitment of Faculty, AIIMS Mangalagiri. 28th May 2021
3. External Examiner for the Practical Examination Anatomy, AIIMS, Bibinagar, Hyderabad. 25th to 27th September 2021
4. External Examiner for Viva – Voce Examination of Mr. Vinit Sharma for the award of Ph.D. degree for his thesis entitled "To Evaluate the Role of the Myeloid-Derived Suppressor Cells in Chronic Pancreatitis and Pancreatic Cancer" Postgraduate Institute of Medical Education &Research, Chandigarh. 23rd November 2021.
5. First MBBS practical examination as External Examination. S.N. Medical College, Jodhpur (Rajasthan). 7th to 9th February 2022

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. Member; American Association for Anatomy
4. Fellow; International Medical Science Academy

National/ International Conferences attended:

1. 68th National Conference of Anatomical Society of India (A Virtual Fiesta). Organized by Department of Anatomy, King George's Medical University U.P., Lucknow, 28th -30th January 2022. (Virtual)
2. National CME on Micrometry in Microscopic Image Analysis using Image J Software held at JIPMER Pondicherry, 12th Feb2022.

Name of Faculty: Dr. Shilpi Gupta Dixit
Designation: Professor

Book Chapter:

1. K Singh, SG Dixit, Dwivedi P, Srivastav S, Dixit A, Bhardwaj A, Swami M, Misra S. Medical education during the COVID-19 pandemic. Chemistry World.

Paper Presented:

1. Krishna H, Sambhav K, Dixit SG & Ghatak S. Morphological Study of Variation of the Human Cadaveric Liver and Its Clinical Implication. Organized by Department of Anatomy, Yong Loo Lin School of Medicine, Singapore, 21st -23rd February 2022. (Virtual)
2. Krishna H, Faizal M, Dixit SG & Ghatak S. Parotid Gland with Triplet Duct: A Rare Anatomical Variation. For AnSync-2021 Scientific Event; 16th -17th July 2021, Sree Balaji Medical College and Hospital, Chennai on 16th -17th July 2021.

Research Project:

Ongoing:

As Principal Investigator

1. HER 2 Neu Proto-Oncogene Fluorescent in Situ Hybridization Screening in Cytological Preparations of Gastrointestinal Tract Cancer

As Co-Investigator

1. iHub Drishti ARVR Medical Project Area 1 - Mixed Reality Simulator for teaching Anatomy in a comprehensive fashion
2. 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)
3. Satellite Centre for Tribal Health and Research (STHR) Sirohi, Rajasthan. (Grant from Ministry of Tribal Affairs-MoTA)
4. Assessment of Use of Protection Box for intubation/extubation during COVID-19 pandemic.
5. Assessment of Use of Protection Box for Tracheostomy during COVID-19 pandemic.
6. Micro-RNA Profiling in Plasma and its correlation with tumor tissue and clinic-pathological parameters in periampullary carcinoma (Intra-Mural Grant; AIIMS, Jodhpur)
7. Digital Eye Strain (DES) online survey before and after COVID-19 Pandemic era in medical students and Faculty.
8. Sex estimation from dental pulp cytology: A time-based study.
9. Establishment of National Inherited Disorder Administration (NIDAN) Kendra at AIIMS Jodhpur Rajasthan (Extramural Grant by DBT)
10. Stimulating Medical Students interest in Medical Genetics: Randomized Controlled trial of an Innovative Educational Intervention. (Extramural Grant by ICMR)

Examinership:

1. MBBS, SN Medical College, Jodhpur
2. MBBS, Government Medical College, Pali
3. Post Graduate Thesis Evaluator—AIIMS Delhi

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. Cadaveric Multi organ Retrieval workshop. Organizing Co-Chairperson. 26th March 2022
2. Online Training Course on "Gender-Based Violence and Human Rights for Promoting Women Health" 7th -10th Feb 2022
3. International Workshop of Anatomy IWA-2021, organized by Department of Anatomy Teerthanker Mahaveer Medical College & Research Centre under aegis of ASI. Theme:- Evolving Trends in Anatomy : A Global Perspective. 22nd-23rd Oct. 2021
4. Anatomical Society, Summer Meeting. Cutting Edge Anatomy. University of Glasgow, 7th -9th July 2021
5. Patentoscope for Beginners. Global Databases division. 13th April 2021

Name of Faculty: Dr. Renu Gupta
Designation: Additional Professor

Research Project:

Ongoing

As Principal Investigator

1. Relation of Radial Nerve to superficial bony landmarks – A cadaveric study
2. Prevalence of Numerical Chromosomal Aberrations in Acute Lymphoblastic Leukemia in Western Rajasthan Population: Pilot Study

Completed Projects:

As Principal Investigator

1. Morphometry of Anterior Cruciate ligament in Knee joint- A cadaveric study

As Co-Investigator

1. Development of animal model to simulate Valsalva maneuver.

Examinership:

1. External examiner for MBBS batch 2020-21. S N Medical College, Jodhpur on 7th February – 9th February 2022 2.
2. External examiner for MBBS batch 2020-21 at Mahatma Gandhi Medical College & Hospital, Sitapura, Jaipur, 17th – 20th January 2022.
3. Centre Appraiser for Conduct FMGE. 11th December 2021
4. Centre Appraiser for Conduct NEET PG. September 2021
5. Examiner for Supplementary MBBS Batch 2019-20. Government Medical College Pali, 24th August 2021.
6. External examiner for MBBS batch 2019-20. S N Medical College, Jodhpur, 17th April – 19th April 2021.
7. External examiner for MBBS batch 2019-20, GMC Barmer, 2nd April – 3rd April 2021.

Membership:

1. Member; Royal Society of Biology (RCB) 2021

Name of Faculty: Dr. Dushyant Agrawal
Designation: Additional Professor

Sessions Chaired:

1. Pre-Conference Workshop. 68th National Conference of Anatomical Society of India (A Virtual Academic Fiesta), Department of Anatomy, King George's Medical University, U.P., Lucknow, 27th January 2022. (Virtual)

Research Project:

Ongoing:

As Co-Investigator

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

Completed:

As Co-Investigator

1. Morphometry of Anterior Cruciate Ligament in Knee Joint- A Cadaveric Study
2. Detection of 22q11.2DS in neonates suspected to have hearing loss detected during neonatal hearing screening – A Pilot Study (Intramural Project- funded by AIIMS, Jodhpur)

Scientific Awards/Patents (Design):

1. Dissection Multi-Tip Foreceps (Design no. 326183-001, Certificate No.97262, dated -15 April 2021)
2. BRAIN SLICER (Design no. 327457-001, Certificate No.99966, dated -14 July 2021)

Examinership

1. BDS, Vyas Dental College & Hospital, Jodhpur, 7th September 2021
2. BDS, Vyas Dental College & Hospital, Jodhpur, 24th -25th January 2022
3. MBBS, SN Medical College, Jodhpur, 7th -9th February 2022
4. MBBS, Rama Medical College, Hapur (UP), 2nd – 5th March 2022

Membership/Post in Journal or Society or Association -

1. Executive Committee Member; UP Chapter of Anatomical Society of India
2. Membership; Royal Society of Biology, UK

National/ International Conferences attended:

1. International Workshop on Anatomy IWA-2021, Department of Anatomy, Teerthanker Mahaveer Medical College & Research Centre, 22nd -23rd October 2021

2. 68th National Conference of Anatomical Society of India (A Virtual Academic Fiesta), organized by Department of Anatomy, King George's Medical University, U.P., Lucknow, 28th -30th January 2022.

Name of Faculty: Dr. Ashish Kumar Nayyar
Designation: Additional Professor

Sessions Chaired:

1. Chaired a session at the 68th National conference of Anatomical Society of India, Department of Anatomy, King George's Medical University, Lucknow UP, 28th – 30th January 2022

Resource faculty:

1. Organizing Co-Chairperson "Cadaveric Multi-organ Retrieval Workshop at Cadaveric skill lab, AIIMS Jodhpur, 26th March 2022
2. Organized Skullbasecon 2021, 22nd Annual Conference of Skull Base Surgery Society of India, AIIMS Jodhpur, 22nd – 23rd October 2021

Research Project:

Ongoing:

As Co-investigator

1. Relation of Radial Nerve to superficial bony landmarks – A cadaveric study".

Completed:

1. Morphometry of anterior cruciate ligament in Knee joint- A cadaveric study.

Examinership:

1. External Examiner, Practical examination MBBS 1st Prof. Govt Medical College, Barmer, 2nd–3rd April, 2021
2. External Examiner, practical examination MBBS 1st Prof, S. N. Medical College, Jodhpur, 17th – 19th April 2021
3. External Examiner, practical examination for the M. S. Anatomy, J. L. N. Medical College, Ajmer. 26th – 27th June 2021
4. External Examiner, practical examination for the M. S. Anatomy, S. N. Medical College, Jodhpur, 29th – 30th June 2021
5. External Examiner, practical examination MBBS (Suppl) 1st Prof, Govt Medical College, Pali, 25th August 2021
6. External Examiner, practical examination MBBS 1st Prof, All India Institute of Medical Sciences, AIIMS, Bilaspur, Himachal Pradesh, 22nd – 24th Nov 2021
7. External Examiner, practical examination MBBS 1st Prof, SMS Medical College, Jaipur, from 3st Jan – 3rd Feb 2022.
8. External Examiner, practical examination MBBS 1st Prof, S. N. Medical College, Jodhpur, 7th – 9th Feb 2022
9. External Examiner, practical examination MBBS 1st Prof, VMMC and Safdarjung Hosp, New Delhi, 14th – 21st March 2022

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

National/ International Conferences attended:

1. Organized Skullbasecon 2021, 22nd Annual Conference of Skull Base Surgery Society of India, AIIMS Jodhpur, 22nd – 23rd October 2021
2. 68th National conference of Anatomical Society of India, Department of Anatomy, King George's Medical University, Lucknow UP, 28th – 30th January 2022
3. Organizing Co-Chairperson "Cadaveric Multi-organ Retrieval Workshop Cadaveric skill lab, AIIMS Jodhpur, 26th March 2022

Name of Faculty: Dr. Pushpa Potaliya
Designation: Associate Professor

Research Project:

Ongoing:

As Investigator

1. Assessment of wound vitality markers in ligature marks in a cohort of suicidal hanging.

As Co-investigator

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

Examinership

1. External Examiner for MBBS first year (Main) Practical Examination January 2022. Dr.S.N.Medical College, Jodhpur, 7th -9th Feb 2022.
2. External examiner for MBBS first year Practical exam (Main). Medical College, Barmer (Rajasthan), 31st January-2nd February 2022.
3. External examiner for first MBBS (Suppl) exam. Medical College, Barmer (Rajasthan), 13th August 2021.
4. External examiner for BPT exam. SLNG Institute of Physiotherapy, Jodhpur, 7th October 2021 and 25th Feb 2022.
5. External examiner for BPT exam. KC Memorial College of Physiotherapy, Jodhpur, 5th October 2021 and 8th March 2022.

Membership/Post in Journal or Society or Association

1. Member; Royal College of Biology, United Kingdom
2. Member; American Association of Anatomy
3. Member; Australian and New Zealand Association of Clinical Anatomists
4. Associate editor; Indian Journal of Clinical Anatomy and Physiology
5. Reviewer; European Journal of Medical and Health Sciences

National/ International Conferences attended:

As delegate:

1. 68th NATCON of ASI 2022. KGMU, Lucknow, 28th -30th January 2022 (Virtual)
2. ANZACA Conference 2021. Hosted by La Trobe University, Victoria, Australia, 1st-3rd December 2021. (Virtual)
3. AVEOCON-2021. Department of Anatomy, Teerthankar Mahaveer Medical College and Research Centre, Moradabad (U.P), Under aegis of UP-Chapter ASI, 9th -10th July 2021. (Virtual)
4. Virtual Annual Meeting at Experimental Biology. American Association of Anatomy, 27th -30th April 2021. (Virtual)
5. 1st International Scientific and Practical Conference "3D technologies in Clinical Anatomy". Samara, Russia by European Federation for Experimental Morphology, 10th-12th September 2021. (Virtual)
6. CME entitled "Expanding horizons of Anatomy: Knowing the unknowing". Organized by KGMU, Lucknow in NATCON, 28th -30th January 2022. (Virtual)
7. Workshop on Overview of in vitro fertilization: Focus on male infertility. NATCON-2021, KGMU, Lucknow (U.P), 27th January 2022. (Virtual)
8. Workshop on Implementing digital technologies into an Anatomy curriculum. Hosted by La Trobe University, Victoria, Australia, 2nd December 2021. (Virtual)
9. Recent trends in Research Methodology. REST Society for Research International (RSRI), 11th -15th October 2021. (Virtual)

Miscellaneous:

1. Reviewed Latest edition 2022 e-book titled "Microneuroanatomy and Surgery: A practical Anatomical Guide." Published by Springer Publication.

Name of Faculty: Dr. Sonali Adole
Designation: Associate Professor

Research Project:

Ongoing:

As Principal Investigator

1. Anatomical variation in level of bifurcation of sciatic nerve and its clinical implications
2. Cadaveric study: Anatomic morphological variant of calcaneofibular ligament of ankle joint

As Co-Investigator

1. Lateral extension of acromion: A morphological study of cadaveric scapulae

Examinership:

1. MBBS, Dr S N Medical College & Hospital, Jodhpur, 17th -19th April 2021

Membership/Post in Journal or Society or Association:

1. Life member; Anatomical Society of India.
2. Life member; Society of Clinical Anatomist
3. Annual member; American Association for Anatomy

National/ International Conferences/Workshop attended:

1. Assessment using online platform during COVID-19 pandemic Webinar series 'Online Learning and Assessment'. Department of Medical Education Unit, People's college of medical sciences & research centre, 19th June 2020. (Virtual)
2. CME on "Statistics in Health Research". School of Public Health, AIIMS Jodhpur, 29th June 2020.
3. International eConference - 2020 Genomics to Mankind-Integrating Genetic Education, Counseling and Public Health, BGC-India 5th Annual conference, Board of Genetic Counselling India, 2nd – 4th July 2020. (Virtual)
4. A Virtual CME Brainstem - An Integrated Approach to Clinical Syndromes". Department of Anatomy Aarupadai Veedu Medical College and Hospital, Puducherry 6th – 9th July 2020 (Virtual).
5. An approach to understanding anatomy of special sensory organs with Complete Anatomy 3D Medical. Clinical Solutions Elsevier 30th July 2020
6. Webinar titled Online Teaching in Medical Education – An Opportunity or a Distraction, NTTC JIPMER Puducherry, 13th July 2020
7. Competency Based Medical Education (Anatomy) A workshop organised by MEU India August 2020 - November 2020. (Virtual)
8. Design and Implementation of Curricular Elements in Medical Education webinar series. Vinayaka Mission's Kirupananda Variyar Medical College & Hospitals, Salem, Tamil Nadu, 10th August 2020 (V)
9. Anatomical Land Mark & its Role In Human Identification online webinar. School of Virtual Forensics, 14th – 15th August 2020. (Virtual)
10. Essentials of Medical Writing, Webinar series, Indian association of medical journal editors, 21st august 2020 (Virtual)
11. e-CME on Digital Medical Illustration in Anatomy for Anatomists. Department of Anatomy, Vinayaka Mission's Kirupananda Variyar Medical College & Hospitals, Salem, 29th August 2020. (Virtual)
12. Body Donation Embalming And Cadaveric Dissection: Perspective In COVID Era: a webinar . Department of anatomy MMIMSR, MMDU, Ambala Haryana 31st August 2020 (Virtual)
13. 5 Day Technical Hands-on Certificate Workshop in Insilico Molecular biology & Genetic Engineering A online workshop. BDG Lifesceinces 16th -20th September 2020. (Virtual)
14. International e- Conference "Emerging Trends in Research - Emphasis on Basic Medical Sciences" organised by Departments of Basic Medical Sciences AVMC&H, Puducherry 17th to 19th September 2020. (Virtual)
15. Online Workshop on Scientific Writing and Research Ethics for Medical and Clinical Sciences, DBT Wellcome Trust India Alliance, 19th September 2020. (Virtual)
16. A National Level Online workshop Creation of Digital & Educational Posters. Sri Siddhartha College Of Education, Tumkur, 20th September 2020 . (Virtual)
17. Ten Maxims of Formative Assessment A National Webinar on Medical Education. NTTC JIPMER, Pondicherry 24th September 2020. (Virtual)
18. Three Days National Level Online Workshop Research Methods and Data Analytical Techniques Using SPSS Organized by Department of Statistics and Unnat Bharat Abhiyan Team, 24th - 26th September, 2020. (Virtual)
19. Can the Dead Help in Making Better Doctors? An Anatomy Webinar Series "Best Practices in Anatomy Education." Department of Anatomy, Kasturba Medical College Manipal, MAHE 10th October 2020 (Virtual)
20. Analyzing qPCR Data A Current Protocols Webinars organised by Thermo Fisher Connect, 20th October 2020. (Virtual)
21. Questions Paper Designing Course online course organised by MEU India December 2020 to January 2021 (Virtual)

Name of Faculty: Dr. Nikha Bhardwaj
Designation: Associate Professor

Session chaired

1. Medical education. 68th NATCON, ASI 2022, KGMU Lucknow. Jan 2022
2. Panelist at International Workshop of Anatomy..TMU Moradabad, UP, India,
3. Judge for poster session. International Workshop of Anatomy 2021.TMU Moradabad, UP, India, 22nd - 23rd Oct 2021

Resource Faculty

1. Resource Person for Group Dynamics Session. Orientation Programme. at AIIMS Jodhpur 2021.
2. Facilitator Intern Orientation programme. AIIMS Jodhpur 2021.

External Examiner

1. MBBS first year Professional examination, Government Medical College Pali, Rajasthan.

Ongoing project

As Principal 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

Fellowship/Membership

1. Fellow; IMSA
2. Member; Royal Society of Biology
3. Member; Anatomical Society

National/ international conference/workshops attended-

1. National CME on Micrometry in Microscopic Image Analysis using Image J Software, JIPMER, 12th Feb2022. (Virtual)
2. Workshop on Self Directed Learning. Bhaikaka University, 3rd – 10th Feb 2022. (Virtual)
3. 6th International Anatomical Sciences and cell biology conference. National University of Singapore. 21st -23rd Jan2022 (Virtual)
4. 68th NATCON of ASI 2022. KGMU Lucknow. Jan 2022
5. CME on Expanding Horizons of Anatomy: knowing the unknown. 68th NATCON of ASI 2022, KGMU Lucknow. Jan 2022. (Virtual)
6. National Conference on Health Professions Education (NCHPE 2021). SGRDUHS, Amritsar, Punjab, India, October 2021. (Virtual)
7. Workshop on Academic leadership to foster curricular innovations and Institutional excellence. NCHPE-2021, Oct 21. (Virtual)
8. International Workshop of Anatomy,.TMU Moradabad, UP, India, 22nd -23rd Oct 2021. (Virtual)
9. ATLS course, AIIMS Jodhpur, August 2021.
10. AVEOCON 21. U.P. chapter of anatomical society of India, 9th -10th July 2021.
11. AVEOCON 21.CME.Virtual VS explicit: Opportunities and challenges. U.P. chapter of anatomical society of India, 9th -10th July 2021. (Virtual)

Name of Faculty: Dr. Hare Krishna
Designation: Assistant Professor

Books/Chapters:

1. Sesham K, Krishna H, (2021). Perirhinal Cortex. In: Vonk J., Shackelford T. (eds) Encyclopedia of Animal Cognition and Behavior. Springer, Cham.

Paper Presented:

1. Krishna H, Sambhav K, Dixit SG & Ghatak S. Morphological Study of Variation of the Human Cadaveric Liver and Its Clinical Implication. Department of Anatomy, Yong Loo Lin School of Medicine, Singapore, 21st -23rd February 2022.
2. Krishna H, Faizal M, Dixit SG & Ghatak S. Parotid Gland with Triplet Duct: A Rare Anatomical Variation. For AnSync-2021 Scientific Event; 16th -17th July 2021, Sree Balaji Medical College and Hospital, Chennai on 16th -17th July 2021.

Session Chaired:

1. Chaired a Scientific session. 9th Annual Conference BASICON-2021 Bihar & Jharkhand State Chapter Anatomical Society of India, Sri Krishna Medical College, Muzaffarpur, 30th -31st October 2021.

Research Project:

Ongoing:

As Principal investigator

1. Impact of aluminium exposure at different time duration on genito-urinary, digestive and musculoskeletal systems in the Wistar rat.
2. Assessment of morphological variations of caudate and quadrate lobes of human liver and its clinical significance

As Co-investigator

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

Completed:

As Co-investigator

1. Anatomy of anterolateral ligament of the human knee

External Examiner:

1. B.P.T. Part-1 (Main) Exam January 2022. Department of Anatomy, Dr. S. N. Medical College, Jodhpur, 5th March 2022.

Membership/Post in Journal or Society or Association:

1. Member; Society of Clinical Anatomists
2. Member; Anatomical Society of India
3. Reviewer; Journal of Clinical and Diagnostic Research

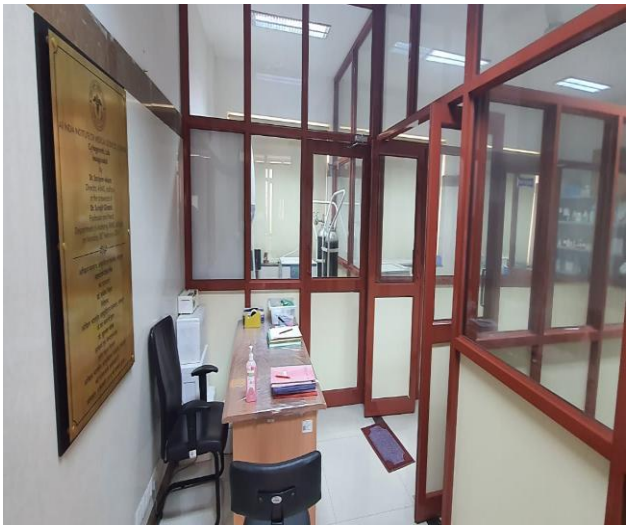
4. Reviewer; Cureus
5. Reviewer; Indian Journal of Physiology and Allied Sciences

National/ International Conferences attended:

1. 6th Annual International Conference "Genomics and Genetic Counselling: Value in Health Care". The Board of Genetic Counseling, India, 2nd – 4th July 2021. (Virtual)
2. E- National Conference AVEOCON-2021. Department of Anatomy Teethanker Mahaveer Medical College & Research Centre, Moradabad Uttar Pradesh, 9th -10th July 2021. (Virtual)
3. National E- Conference in Anatomy Implication of Anatomy in Forensic Medicine FORANSync. Sree Balaji Medical College and Hospital, Chennai, 16th -17th July 2021. (Virtual)
4. 9th Annual Conference BASICON-2021 Bihar & Jharkhand State Chapter Anatomical Society of India, Organized by Sri Krishna Medical College, Muzaffarpur, 30th -31st October 2021.
5. 2nd International e-Conference on "Exploring the Newer Modalities in Teaching- Learning and Research in Basic Medical Sciences during COVID-era". Department of Anatomy, Physiology, Biochemistry, and Center for Biomedical Research, AVMCH, Puducherry, India on 25th -27th November 2021. (Virtual)
6. 68th National Conference of Anatomical Society of India (A Virtual Fiesta). Department of Anatomy, King George's Medical University U.P., Lucknow, 28th -30th January 2022. (Virtual)
7. 6th International Anatomical Sciences and Cell Biology Conference. Department of Anatomy, Yong Loo Lin School of Medicine, Singapore, 21st -23rd February 2022.
8. E-CME entitled "Virtual Vs Explicit: Opportunities & Challenges". Organized by Department of Anatomy Teethanker Mahaveer Medical College & Research Centre, Moradabad Uttar Pradesh, 9th -10th July 2021. (Virtual)
9. One Week Online National Workshop on Time Series Analysis. Science Tech Institute, Lucknow, UP, India, 12th -18th July 2021. (Virtual)
10. Continuing Medical Education Education Certificate in the Topic of FORANSYNC-2021. Organized by Sree Balaji Medical College and Hospital, Chennai, 16th -17th July 2021. (Virtual)
11. Webinar on Chemical Neuroanatomy. Department of Anatomy TNMC & BYL Nair CH Hospital, 26th August 2021. (Virtual)
12. Webinar on "Research in Anatomical Sciences". The Society of Clinical Anatomists (SOCA), 15th October 2021. (Virtual)
13. Workshop of Laparoscopic View of Abdominal Viscera and Endoscopic View of Nose, Paranasal Sinuses & Larynx in 9th Annual Conference BASICON-2021 Bihar & Jharkhand State Chapter Anatomical Society of India, Sri Krishna Medical College, Muzaffarpur, 30th -31st October 2021. (Virtual)
14. Workshop on High-End Microscopy (TEM/SEM) under CSIR Integrated Skill Initiative on 13th December 2021. (Virtual)
15. CME on "Expanding Horizons of Anatomy: Knowing the Unknown" during 68th National Conference of Anatomical Society of India (A Virtual Fiesta). Department of Anatomy, King George's Medical University U.P., Lucknow, 28th January 2022. (Virtual)
16. Online CME and Virtual Training on Next Generation Sequencing (Oxford Nanopore Technology). Organized by Genotypic Technology and Multidisciplinary Research Unit, Institute of Medical Sciences, Banaras Hindu University, Varanasi, 19th February 2022. (Virtual)
17. Microscopy Workshop Sponsored by Microscopy Society Organized by Department of Anatomy, Yong Loo Lin School of Medicine, Singapore, 21st -23rd February 2022. (Virtual)



Newly constructed Cadaveric Skill Lab

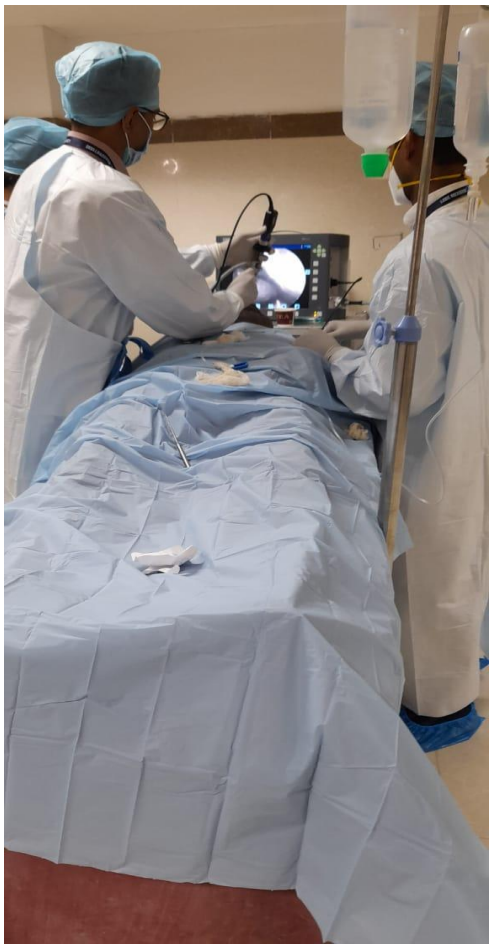


Cytogenetics Laboratory



Cadaveric Multi Organ Retrieval Workshop





SKULLBASECON 2021 Workshop

Department of Biochemistry

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

About the Department

Department of Biochemistry started with the instituting of AIIMS Jodhpur by the Ministry of Health & Family Welfare, Government of India under Pradhan Mantri Swasthya Suraksha Yojna (PMSSY) in September 2012. The Department has been involved in undergraduate and postgraduate medical teaching, research and patient care services by providing advanced and routine biochemical analyses for diagnosis and prognosis. Currently, there are 8 faculty members, 7 Senior Residents, 6 Academic Junior Residents, 5 Ph.D. students, two M.Sc. students and 27 non-teaching laboratory technical staff.

Facilities And Services

Undergraduate teaching

The Department is actively involved in undergraduate (MBBS and Nursing) teaching. Our lectures are interactive and include audiovisual presentations and group discussions during tutorials. New methods of teaching like small group discussions, early clinical exposure, problem-based learning and case discussion etc, were introduced as per NMC norms for undergraduate MBBS students.

Post graduate training The Department has an actively running post-graduate MD Biochemistry, MSc Biochemistry, Ph.D. and joint Ph.D., and MTT program of AIIMS Jodhpur and IIT Jodhpur. There are six MD students, out of which three joined in Jan 2021-2022. Currently two MSc and 5 registered Ph.D., candidates are working in the Department. The PG and Ph.D. training program include academic activities such as seminars, clinical case discussions and journal club presentations. Clinical rotational postings were introduced for PGs in various sister laboratory departments so as to gain clinical exposure and correlation with clinical biochemistry. Quality Control Clinics have been started to give real time hands on experience. PGs are trained to gain expertise in various laboratory techniques including clinical chemistry, chemiluminescence, electrolyte analyzers, western blotting, HPLC, PCR, RT-PCR, ddPCR, Sanger sequencing, gel electrophoresis, immunodiffusion, chromatography, Atomic absorption spectroscopy etc. During COVID-19 pandemic departmental academic activities were adapted to an online mode to maintain COVID appropriate behavior.

Diagnostic Services:

The Biochemistry Laboratory is functional 24 hours since March 2015 and is efficiently providing services to the hospital patients. The laboratory is part of an external quality assessment system of Biorad. Excellent quality assurance is ensured by regular monitoring of Internal quality control (IQC) and External quality

assessment (EQAS). IPD laboratory is equipped with Fully Automated clinical chemistry analyzer (Beckman and Coulter AU series), Chemiluminescence analyzers (Advia Centaur & Diasorin), Chemiluminescence analyzers (UniCel DxI 800), Sebia hydrasys electrophoresis system, electrolyte analyzers and Hb Variant. The investigations performed include routine metabolic profiles, electrolytes and special investigations (tumor markers, vitamins and hormone profiles). New investigations introduced are therapeutic drug monitoring (Carbamazepine, phenytoin and valproic acid), HbA1c by HPLC method. Serum IL-6 was introduced for management of COVID19 patients. The laboratory is also maintaining a repository of COVID 19 serum samples stored at -80°C. Molecular Diagnostics lab equipped with PCR, RT-PCR, flow cytometer, HPLC, Atomic absorption spectrophotometer, ELISA reader, Microplate reader, gel electrophoresis, western blotting, Sanger sequencing and ddPCR caters to heavy metal toxicity and mutation detection and also research projects of institutional faculty members, PGs and Ph.D. students.

Research activities:

The Department has multidisciplinary field of research facilities in field of genetics, immunology, clinical chemistry, hormones, metal toxicity etc. It is also recognized Lead Referral Centre by the Indian Society for Lead Awareness and Research. Department is actively involved in research as evidenced by two extramural projects as Principal investigator and 7 extramural projects as co-principal investigator, more than 28 ongoing intramural projects, in collaboration with other departments. There are more than 10 completed intramural projects and nine ICMR STS projects so far. The research output of the department has been tremendous, with the publication of more than 70 peer-reviewed articles in journals of national and international repute.

Future Plans

The faculty at the Department of Biochemistry is committed for advancement in diagnostic services and research activities. Department has advanced in the direction for research related to genomics, proteomics and drug discovery studies based on projects of DNA methylation, mRNA, miRNA and lncRNA expression using PCR and RT-PCR, microarray, NGS, diagnosis of inborn errors of amino acid metabolism using HPLC, carcinogen screening using LCMS, and heavy metals using AAS. Department is in process of procuring & constituting state of the art labs for advanced molecular research in the field of genomics and proteomics. We also offer a competitive Ph.D. program to inculcate scientific temper, independent thinking, and skillsets for scientific entrepreneurship. The department also plans to establish advanced research in heavy metals & trace elements analysis by establishing ICP-MS facility.

List of publications:

Paper pubmed Indexed

1. Sekhar S, Kurian SJ, Thomas L, Vyas N, Baral T, Murali TMC, Banerjee M, Rao M. Vitamin D Receptor Gene Polymorphism and Vitamin D Supplementation on Clinical/ Treatment Outcome in Tuberculosis: Current and Future Perspectives. Expert review of Anti Infective therapy. (Accepted)
2. Khera D, Toteja N, Singh S, Singh S, Kumar P, Sharma P, Singh K. Is There A Role of Presepsin As A Novel Biomarker In Pediatric Sepsis? Indian Journal of Critical Care Medicine (2021): 10.5005/jp-journals-1007124202.
3. Goyal JP, Singh S, Bishnoi R, Bhardwaj P, Kaur RJ, Dhingra S, Yadav D, Dutta S, Charan J. (2022) Efficacy and safety of vitamin D in tuberculosis patients: a systematic review and meta-analysis, Expert Review of Anti-infective Therapy, DOI: 10.1080/14787210.2022.2071702.
4. Ukey S, Ramteke A, Choudhury C, Purohit P, Sharma P. Differential Expression of Zinc-Dependent HDAC Subtypes and their Involvement in Unique Pathways Associated with Carcinogenesis. Asian Pac J Cancer Prev. 2022;23(3):877-883. PubMed PMID: 35345359.

5. Khokhar M, Roy D, Tomo S, Gadwal A, Sharma P, Purohit P. Novel Molecular Networks and Regulatory MicroRNAs in Type 2 Diabetes Mellitus: Multiomics Integration and Interactomics Study. JMIR Bioinform Biotech 2022;3(1): e32437. doi:10.2196/32437.
6. Tomo S, Sankanagoudar S, Shukla R, Sharma P. Validation of a novel method for determination of low-density lipoprotein cholesterol levels in Indian patients with type 2 diabetes. Diabetes Metab Syndr. 2022;16(4):102448. PubMed PMID: 35313205.
7. Jain V, Khan S, Ramankutty NT, Vishwakarma K, Goel AD, Saurabh S, Bhardwaj P, Gupta MK, Dara S, Kumar A, Sharma P, Nag VL, Misra S. Anti-SARS-CoV-2 IgG status among frontline health workers involved in COVID-19 survey at Jodhpur, Rajasthan, India. J Family Med Prim Care. 2022;11(1):118-122. PubMed PMID: 35309674.
8. Shekhawat DS, Gupta T, Singh P, Sharma P, Singh K. Monitoring tools for early identification of children with developmental delay in India: an update. Child Neuropsychology. doi.org/10.1080/09297049.2021.2022113.
9. Sadashiv, Sharma, P., Dwivedi, S. Tiwari S. Singh PK, Pal A , Kumar S. Micro (mi) RNA and Diabetic Retinopathy. Ind J Clin Biochem (2022). doi.org/10.1007/s12291-021-01018-4.
10. Agarwal RG, Khokhar M, Purohit P, Modi A, Bajpai NK, Bohra GK, Garg MK, Sharma P. A clinical and in-silico study of MicroRNA-21 and growth differentiation factor-15 expression in pre-diabetes, type 2 diabetes and diabetic nephropathy. Minerva Endocrinol (Torino). 2022 Feb 1; doi: 10.23736/S2724-6507.22.03646-6. PubMed PMID: 35103454.
11. Purohit P, Roy D, Dwivedi S, Nebhinani N, Sharma P. Association of miR-155, miR-187 and Inflammatory Cytokines IL-6, IL-10 and TNF-α in Chronic Opium Abusers. Inflammation. 2022 Jan 31; doi: 10.1007/s10753-021-01566-0. PubMed PMID: 35098407.
12. Modi A, Purohit P, Roy D, Vishnoi JR, Pareek P, Elhence P, Singh P, Sharma S, Sharma P, Misra S. FOXM1 mediates GDF-15 dependent stemness and intrinsic drug resistance in breast cancer. Mol Biol Rep. 2022 Jan 23; doi: 10.1007/s11033-021-07102-5.PubMed PMID: 35066766.
13. Pvsn KK, 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. 2022 Jan 22; doi: 10.1007/s12011-022-03124-7. PubMed PMID: 35064475.
14. Roy D, Purohit P, Modi A, Khokhar M, Shukla RKG, Chaudhary R, Sankanagoudar S, Sharma P. Growth Differentiation Factor-15 as a Biomarker of Obese Pre-diabetes and Type 2 Diabetes Mellitus in Indian Subjects: A Case-control Study. Curr Diabetes Rev. 2022;18(1): e010321189862. PubMed PMID: 33397240.
15. Goyal T, Mitra P, Singh P, Sharma S, Purohit P, Sharma P. Effect of occupational co-exposure to lead and cadmium on selected immunomodulatory cytokines. Toxicol Ind Health. 2021 Dec 7: 7482337211019172. doi: 10.1177/07482337211019172. PubMed PMID: 34874211.
16. Bohra GK, Purohit A, Kumar D, Garg MK, Midha NK, Manglia R, Jain K, Didel S, Nag V, Sharma P, Sharma A, Bhatia P, Misra S. A Composite study of Coagulation Milieu in Covid-19: Experience from a Tertiary Care Centre from India. Cardiovasc Hematol Disord Drug Targets. 2021 Nov 30; doi: 10.2174/1871529X21666211201110007. PubMed PMID: 34852756.
17. Thakral S, Setia P, Modi A, Meshram V, Sinha A, Mishra R, Purohit P. Serial estimation of gene expression of cardiac troponin I (cTnI) and autophagy gene HMGB1 to determine postmortem interval. Forensic Science International: Genetics Available online 19 November 2021, 102635.

18. Sharma C, Purohit P, Khokhar M, Modi A, Singh P, Shekhar S, Sharma S, Gothwal M, Sharma P. A Clinical and in-silico study exploring the association of CASP-3, NF-kB, miR187 and miR146 in Pre-eclampsia. Hypertension in Pregnancy; 40(4): 2021;288-302: DOI:10.1080/10641955.2021.198359.
19. Chugh A, Purohit P, Vishnoi JR, Kaur A, Modi A, Mishra S, Sharma P, Rodha MS, Pareek P, Bhattacharya S, Gigi PG. 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. doi.org/10.1007/s12663-021-01668-0asso.
20. Kumar PK, Banerjee M, Bajpayee A, Mandal S, Mitra P, Sharma P, Misra S, Bhardwaj P. SARS-CoV-2 IgG Antibody and its Clinical Correlates in Convalescent Plasma Donors: An Indian Experience. Indian J Clin Biochem. 2021;1-9. PubMed PMID: 34812224.
21. Nachimuthu MaithiliKarpaga selvi , Nandhini S, Sakthivadivel V, Lokesh S, Srinivasan AR, Sumathi S. Association of Triglyceride-Glucose Index (TyG index) with HbA1c and Insulin Resistance in Type 2 Diabetes Mellitus. Maedica. 2021;16(3):375–81.
22. Modi A, Purohit P, Gadwal A, Roy D, Fernandes S, Vishnoi JR, Pareek P, Elhence P, Misra S, Sharma P. A Combined Analysis of Serum Growth Differentiation Factor-15 and Cancer Antigen 15-3 Enhances the Diagnostic Efficiency in Breast Cancer. EJIFCC. 2021;32(3):363-376.PubMed PMID: 34819825.
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60. Shekhawat J, Gauba K, Gupta S,,Purohit P, Mitra P, Garg M, Misra S, Sharma P Banerjee M. IL-6 – perpetrator of cytokine storm in COVID-19. Ind J Clin Biochem. 2021 Jun 21 : 1–11.

61. Goyal T, Mitra P, Singh P, Ghosh R, Lingeswaran M, Sharma S, Sharma P. Alterations in Th17 and Treg Lymphocyte Subset in Workers Occupationally Exposed to Lead. Biol Trace Elem Res. 2021;199(5):1693-1700. PubMed PMID: 32748168.
62. Kaur RJ, Dutta S, Bhardwaj P, Charan J, Dhingra S, Mitra P, Singh K, Yadav D, Sharma P, Misra S. Adverse Events Reported from COVID-19 Vaccine Trials: A Systematic Review. Indian J Clin Biochem. 2021;1-13. PMID: 33814753.
63. Lingeswaran M, Mitra P, Goyal T, Sharma S, Purohit P, Sharma P. Association of blood lead levels with neurobehavior and BDNF expression in school going children. J Trace Elem Med Biol. 2021; 66:126749. PubMed PMID: 33773278.
64. Mitra P, Misra S, Sharma P. Epigenetics in Lead Toxicity: New Avenues for Future Research. Indian J Clin Biochem. 2021;36(2):129-130. PubMed PMID: 33867702;
65. Kurian S J, Unnikrishnan M K, Miraj S S, Bagchi D, Banerjee M, Reddy B S,Rodrigues G S,Manu M K, Saravu K, Mukhopadhyay C, Rao M. Probiotics in Prevention and Treatment of COVID-19: Current Perspective and Future Prospects. Arch Med Res. 2021;S0188-4409(21) 00047-3.
66. Roy D, Tomo S, Purohit P*, Setia P*. Microbiome in death and beyond: current vistas and future trends. Frontiers Ecology And Evolution. [March 2021; 10.3389/fevo.2021.630397:
67. Khokhar M, Tomo S, Purohit P*. MicroRNAs based regulation of cytokine regulating immune expressed genes and their transcription factors in COVID-19. Meta Gene. 2022 Feb;31:100990.

Non-Pubmed Indexed:

1. Gaur A, Sakthivadivel V, MaithiliKarpaga selvi N, Ghosh S. A comparative study of metabolic parameters in diet-induced obesity model of rats. National Journal of Physiology, Pharmacy and Pharmacology. 2022;12 (3): 301.
2. Banerjee M, Sriram, K. Role of Biochemistry Lab in COVID-19. National Medicos Organisation Journal (**एन एम ओ जर्नल**) (ISSN-2348-3806). 2021;15(1): 08-13.

Workshop/ Conference organized:

1. North Zone ACBICON 2021: The Department has successfully organized North Zone ACBICON 2021, which was virtually held in AIIMS Jodhpur under the aegis of Rajasthan Society for Association of Clinical Biochemists India from 16th to 18th April 2021 based on the theme “Emerging Trends in Laboratory Medicine.” The conference was attended by more than 350 delegates. This conference has given an excellent opportunity to interact with various emerging trends in biochemistry, laboratory medicine, molecular biology, and other allied fields, including recent advances in lab medicine, molecular basis of diagnostics, management and quality lab practice, and environmental biochemistry.

2. Hands-on Workshop on Molecular Techniques: The Department has successfully organized a workshop on Molecular Techniques from 16th to 18th April 2021, attended by 25 delegates. This workshop imparted hands-on skills in the field of molecular biology, which will stimulate research and significantly impact progress in all the areas of biological sciences.

3. Leadcon 2021: Lead,Environment & Health The Department successfully organized Leadcon 2021: Lead Environment & Health Virtual Conference under the aegis of NRCLPI, InSLAR & AIIMS Jodhpur from 29th to 30th Oct. 2021. The conference was attended by more than 80 delegates. Many eminent speakers from different countries participated in the event and shared their views on how to save the environment and health from Lead. The event was organized during the international lead prevention week.

- Dr. Mary Jean Brown, Prof. Howard Mielke, Mr. Andrew McCartor, Ms. Emily Nash, Dr. Gordon Blinkhorst – USA
- Dr. Mahfuzar Rahman – Bangladesh
- Dr. Natalia Pawlas – Poland
- Prof. Amalia Lobarde – Uruguay
- Prof. Venkatesh Thuppil – India

4. Hands on Workshop on Flowcytometry: The Department successfully organized hands-on workshop on Flowcytometry from 28th -30th March 2022. The workshop was attended by 23 delegates from different parts of the country. This workshop brought together experts at a platform where delegates learned expertise on hands-on training in Cancer stem cell assay, immune-phenotyping and Data Analysis by flow cytometry.









Faculty and delegates during the photo session at conference

Name of Faculty : Dr. Praveen Sharma
Designation : Professor

Sessions Chaired:

1. Moderator in a webinar “Practical applications of Six Sigma in Clinical laboratory Medicine”. ACBI, 28th Jan 2021. (Online)

Invited Lectures

1. Invited speaker and delivered a talk on “POCT in Developing Countries” in POCT: Making The Point. Rome, 6th -7th September 2021.
2. Invited speaker on the topic “COVID-19 Laboratory Diagnosis in India”. LMCE 2021 and KSLM 62nd Annual meeting (Virtual Conference), 30th September -2nd October 2021. (Online)
3. Invited Speaker in Management Responsibility in Good Laboratory Practice”. 31st Malaysian Association of Clinical Biochemists Conference (Virtual Conference): Empowering Laboratory Services in keeping with Technology Advancement. 21st to 22nd June 2021. (Online)
4. Speaker in a webinar “Risk Management in Clinical Laboratories”. IFCC, 10th May 2021. (Online)

5. Invited speaker in (Virtual Conference) “The impacts of Ethics and Value in laboratory medicine. 7th Regional Congress of the African Federation for Clinical Chemistry (AFCC), Zambia, 10th – 12th November 2021. (Online)
6. Invited speaker Title “Value based laboratory medicine practice: Opportunity and challenges”. 47th National Conference of ACBI virtual conference 2021 Calcutta. 12th - 15th December 2022. (Online)

Fellowship:

1. Fellow; Association of Clinical Biochemists of India (FACBI) 2005
2. Fellow; National Academy of Medical Sciences (FAMS) 2019
3. Fellow; American Academy of Clinical Chemistry (FAACC) 2020

Membership/Post in Journal or Society or Association

1. Life member; Association of Clinical Biochemists of India (ACBI).
2. Life member; Indian Society for Atherosclerosis Research (ISAR).
3. Life member; Society for Free Radical Research in India (SFRR)
4. Life member; Asia Pacific Federation of Clinical Biochemistry (APFCB)
5. Life member; International Federation of Clinical Chemistry (IFCC)
6. Life member; Indian Society of Lead awareness and Research (InSLAR)
7. Life member; Indian Academy of Biomedical Sciences (IABS)
8. Life member; National Academy of Medical Sciences (NAMS)
9. Member; American Association of Clinical Chemistry (AACC)

Others:

Professional Recognition And Achievements

A National Level:

Association of Clinical Biochemist of India (ACBI)

1. **President,** Rajasthan Society of Association of Clinical Biochemists of India – (2013 to date).
2. **Chairman,** Corporate wing Association of Clinical Biochemists of India (2006- to date)
3. **Joint Director,** Indian Board of Clinical Biochemistry since 2011 to till date**.**

Indian Journal of Clinical Biochemistry

1. **Editor-in-Chief**, Indian Journal of Clinical Biochemistry (IJCB), 2006 to date.

Indian Society for Lead Awareness and Research and NRCLPI

1. **President InSLAR from** (2017 to date)
2. **Director**, National Lead Referral Centre for Lead Projects in India (NRCLPI), Jodhpur. (2015 to date)

Accreditation Education Research and Scientific Service Centre (AERSSC).

1. International Lead Assessor

National Accreditation Board for Laboratory Testing and Calibration.

1. NABL Assessor

B International Level: -

Asia Pacific Federation for Clinical Biochemistry and Laboratory Medicine (APFCB)

1. **Chairman,** APFCB Congress and Conference Committee, from 2019 to date

International Federation for Clinical Chemistry and Laboratory Medicine (IFCC)

1. **Chair, IFCC – CCLM** (from Jan. 2020 to 2025)

World Association of Societies of Pathology and Laboratory Medicine

1. **Director**, South East Asia on WASPaLM Board (2021 to date)

The UNESCO Chair in Bioethics Haifa:

1. **Lead, Bioethics Unit** of the international Network of the UNESCO Chair in Bioethics.

Visiting Professor:

1. High altitude Pulmonary and Pathology Institute, Zubieta University, Bolivia.

Academic Responsibilities at AIIMS, Jodhpur:

1. Member Secretary, Institutional Ethics Committee, from Dec 2012 to date.
2. Member, Academic council
3. Chair, Basic Translation and Research Committee

Indian Institute of Technology (IIT), Jodhpur

1. Chairman Institutional Ethics Committee from Nov 2020 to till date.

Name of Faculty : Dr. Mithu Banerjee
Designation : Additional Professor & Head

Session Chaired:

1. Panelist at the CAHO (Consortium of Accredited Healthcare Organisations) CDE (Continuing Diagnostic Education Series) symposium titled “Epigenetics- A new frontier of cancer management.” 25th Feb 2022. (Online)

Invited Lectures:

1. Invited guest Lecture titled “What’s new in Acute Kidney Injury? A Lab perspective. Association of Practising Pathologists, The 78th CME, 12th Dec 2021. (Online)
2. Invited guest lecture titled “Techniques, Instrumentation & common tests in Biochemistry”. The Online All India Teaching Program for Post Graduates in Pathology, 12th Oct 2021. (Online)
3. Invited guest Lecture titled- “Epigenetics in clinical medicine”. Association of Practising Pathologists, 19th March 2022. (Online)
4. Invited guest lecture titled “Why your DNA is not your destiny?, CAHO (Consortium of Accredited Healthcare Organisations) CDE (Continuing Diagnostic Education Series), 25th Feb 2022.
5. Invited guest lecture titled “ Why your DNA is not your destiny ?” The 07th National Conference of Association of Clinical Chemistry & Laboratory Medicine Practioners, 07th Aug 2021, Medanta Medicity Hospital, New Delhi

6. Invited guest lecture and participated at the panel discussion cum webinar titled" Role of laboratory in COVID-19" , The National Medicos Organisation, 23rd May 2021. (Online)
7. Invited lecture titled- "Creatinine – The centerpoint for AKI". Renal Diseases symposium, ACBICON 2021, Kolkata.

Research Projects:

As Principal Investigator

1. DNA methylation in promoter region of MGMT& EDNRB genes from saliva as a biomarker of head & neck cancers
2. SARS-Cov-2 IgG antibodies & it's clinical correlates in convalescent plasma donors
3. Viral Load estimation & T cell counts in predicting severity of COVID-19
4. Cytokine profile mapping for severity assessment of COVID-19

As Co-investigator

1. Iron status in healthy term breastfed infants in early infancy: A prospective cohort study. (Extramural funding by ICMR; 50 Lacs)
2. Assessment of DHEAS/Cortisol ratio as a prognostic marker of COVID-19
3. Predictors of Clinical Outcomes in Adult COVID-19 Patients Admitted to a Tertiary Care Hospital in India: an analytical cross-sectional study.
4. Clinical outcome, viral response and safety profile of chloroquine in COVID-19 patients
5. Endocrine dysfunction among patients with COVID-19
6. Evaluation of Clinical & Lab parameters of Post COVID -19 patients
7. Immunoclinical Characterisation of Diabetes in children & Adolescents & their characterisation in time & Space
8. Quantitative sensory testing of allodynia in migraine: Its association with endogenous sex hormones & TRPV1 expression
9. Assessment of KRAS mutation in colon cancer and it's clinicopathological correlation.
10. Assessment of some important biomarkers in hypertensive patients: An analytic cross sectional study.
11. Changes in Dehydroepiandrosterone and Cortisol Levels after Major Trauma: A Prospective Observational Study.

Awards:

1. Received "Global Investigator Awardee" GIA, Award from LMCE 2021, (Laboratory Medicine Congress & Exhibition) & 62 nd meeting of Korean Society of Laboratory Medicine 2021.
2. Received Reviewer Appreciation Award from Medical Journal of Armed Forces of India.
3. Awarded Fellowship to the Royal Society of Biology, FRSB

Examinership:

1. MBBS Ist Professional Exam, 8th - 22nd December, 2021, AIIMS, Raipur.

Memberships

1. Chair; Diabetes testing & Harmonisation- Asia Pacific Federation of Clinical Biochemistry
2. Representative from India as corresponding member; International Federation of Clinical Chemistry- Education in the Use of Biomarkers in diabetes – IFCC- C-EUBD

3. Representative from India as corresponding member; International Federation of Clinical Chemistry-Taskforce – Outcome Studies in Laboratory Medicine
4. Member; American Association of Clinical Chemistry
5. Member; Association of Medical biochemists of India
6. Member; Association of Clinical Biochemists of India

Others:

International Academic Activities

1. Headed a survey being conducted on Laboratory Investigations in Diabetes Mellitus in capacity as Chair Diabetes Investigation under the aegis of Asia Pacific Federation of Clinical Biochemistry (APFCB) in Singapore, Sri Lanka, Philippines and India.
2. Supervised the Indian Wing of an International survey on Lab testing in chronic kidney disease, under the aegis of the APFCB.
3. Nominated as corresponding member from India to IFCC-TF-OSLM (Indian Federation of Clinical Chemistry – Task Force on Outcome studies in Laboratory Medicine). I am part of the team which has been tasked to finalise the grant format for IFCC-TF-OSLM
4. Was nominated as the National Medlab Week Champion by ACBICON for the national conduct of International Laboratory Professionals week 2022.

Academic Events:

1. Was organizing chairperson of the First Flowcytometry Workshop conducted by Dept of Biochemistry from 28 Mar to 30 Mar.
2. Was organising chairperson of Leadcon 2021 held between 28-31 Oct 2021 under the aegis of NRCLPI, InSLAR & AIIMS Jodhpur

Name of Faculty : Dr. Purvi Purohit
Designation : Additional Professor

Books/Chapters

1. Purohit P, Vasudeva A, Kumar M, Agrawal R, Sheikh NA, Misra R, Kishore S, Misra S. Biotechnology in Healthcare: Technologies and Innovations. Elsevier. 2021; Volume 1, Chapter 14

Papers Presented:

1. Roy D, Modi A, & Purohit P. Differential Circulating miRNA Reveal Potential Biomarkers & Therapeutic Targets for Progression from Prediabetes to Type 2 Diabetes Mellitus. Metabolism. March 2021; 116:154533. 18th Annual World Congress on Insulin Resistance Diabetes & Cardiovascular Disease.
2. Purohit P, Roy D, Modi A, Choudhary R, Shukla RP, Sharma P. Circulating and visceral adipose tissue miR-330-3p is associated with insulin resistance in Type II Diabetes Mellitus. Metabolism. March 2021; 116:154552. 18th Annual World Congress on Insulin Resistance Diabetes & Cardiovascular Disease.
3. Modi A, Roy D, Purohit P, Pareek P, Vishnoi J. Analysis of Serum Growth Differentiation Factor-15 in Progression of Breast Cancer in Type II Diabetes Mellitus Patients. Metabolism. March 2021; 116(Suppl):154538. doi.org/10.1016/j.metabol.2020.154538. Annual World Congress on Insulin Resistance Diabetes & Cardiovascular Disease.
4. Purohit P, Roy D, Modi A, Khokhar M, Chaudhary R, Sankanagoudar S, Sharma P. Regulatory role of circulating miR-21 and its association with growth differentiation factor-15 in obese prediabetes and type 2 diabetes mellitus patients. Mol. Biol. Cell 31 (26), 2863-2863. doi.org/10.1091/mbc.E20-10-0665.

5. Gadwal A, Modi A, Khokhar M, Purohit P. In silico analysis of differentially expressed genes for lymph node and skin metastasis in breast cancer. LMCE 2021 (Laboratory Medicine Congress & Exhibition) & KSLM 62nd Annual Meeting.
6. Khokhar M, Purohit P, Gadwal A, Tomo S, Yadav D, Sharma P. Comparative interactomical analysis for the molecular regulatory network of the glomerulosclerosis and diabetic nephropathy. LMCE 2021 (Laboratory Medicine Congress & Exhibition) & KSLM 62nd Annual Meeting.
7. Khokhar M, Purohit P, Gadwal A, Tomo S, Bajpai NK, Bohra GK, Yadav D, Sharma P. A combinatory approach of clinical and interactomics analysis to understand the role of NF-kB1 in Diabetic Nephropathy. 49th Annual Digital Meeting of Research Society for Study of Diabetes in India – RSSDI 2021. (Oral Presentation).
8. Khokhar M, Gadwal A, Roy D, Tomo S, Purohit P. An Integrative genomics and interactomics approach to understand the progression of Diabetic Nephropathy. 47th National Conference of Association of Clinical Biochemists of India (ACBICON 2021).
9. Roy D, Purohit P, Modi A, Khokhar M, Sankanagoudar S, Choudhary R, Sharma P; Visceral adipose tissue Smad7 and miR-181b-5p possibly regulate insulin resistance in obesity. 49th Annual Digital Meeting of Research Society for Study of Diabetes in India – RSSDI 2021. (Oral Presentation)
10. Purohit P, Roy D, Modi A, Khokhar M, Sankanagoudar S, Choudhary R, Sharma P; Serum GDF-15, peripheral blood SMAD7, and insulin resistance in obese pre-diabetic subjects: a correlation study. 49th Annual Digital Meeting of Research Society for Study of Diabetes in India – RSSDI 2021. (Oral Presentation)
11. Modi A, Purohit P, Roy D, Vishnoi JR, Pareek P, Elhence P, Sharma S, Sharma P. "GDF15 Induces Drug Resistance in Breast Cancer Through FOXM1. 47th National Conference of Association of Clinical Biochemists of India (ACBICON 2021).
12. Purohit P. What, Why & How of Acute kidney Injury AND role of Traditional Markers & Lab-informatics system. 47th National Conference of Association of Clinical Biochemists of India (ACBICON 2021).
13. Roy D, Purohit P. Differentially Expressed Genes, Transcription Factors, and MicroRNA as Immune Signatures of Regulatory T Cells in Mouse Visceral Adipose Tissue: an In-Silico Analysis. LMCE 2021 (Laboratory Medicine Congress & Exhibition) & KSLM 62nd Annual Meeting.
14. Purohit P, Roy D, Modi A, Khokhar M, Sankanagoudar S, Choudhary R, Sharma P; Serum GDF-15, peripheral blood SMAD7, and insulin resistance in obese pre-diabetic subjects: a correlation study. 49th Annual Digital Meeting of Research Society for Study of Diabetes in India – RSSDI 2021. (Oral Presentation)

Invited Lectures

1. What, Why and How of Acute Kidney Injury. 47th ACBICON, 12th-15th December 2021; Science City, Kolkata.

Symposium Speaker

1. Renal Symposium. What, Why and How of Acute Kidney Injury. 47th ACBICON, 12th -15th December 2021; Science City, Kolkata.

Research Project:

Ongoing:

As Principal Investigator

1. ICMR-Adhoc 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 Sanctioned as PI (March 2022).

2. 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. Sanctioned as PI (January 2022)

As Co-Investigator

1. To study the prevalence of Bisphenol A toxicity and its metabolic and hormonal effects in females with Polycystic Ovary Syndrome. ICMR-Adhoc, March 2022
2. Screening of Pregnant Women and New-borns in Aspirational district Sirohi, Rajasthan and Establishment of Training Centre in Clinical Genetics. DBT 2021

Completed:

Principal Investigator

1. A case-control study analyzing role of GDF-15 in induction of stemness of Triple Negative Breast Cancer AIIIMS Jodhpur. Intramural

Scientific Awards/Patents

1. Global investigator award. LMCE, October 2021.

Examinership

1. MD Biochemistry Internal Examiner, AIIMS Jodhpur, December 2021
2. MD Biochemistry External Examiner, Dr SN Medical College, Jodhpur, February 2021
3. MSc Biochemistry External examiner, Dr SN Medical College, Jodhpur, September 2021
4. 1st Professional MBBS External examiner. Govt Medical College Barmer, 2021
5. BSc Nursing (Hons) Internal examiner, AIIMS Jodhpur, 2021

Membership/Post in Journal or Society or Association

1. Life Member; ACBI
2. Life Member; Nutrition Society of India
3. Assistant Editor; APFCB News
4. Webmaster; APFCB website (Communication Committee APFCB)
5. Corresponding member; IFCC-C-CMBC
6. Life Member; Research Society of Study of Diabetes in India
7. Member; AACC
8. Member; ASCB
9. Member; Human Genome Organization

National/ International Conferences attended:

1. 47th ACBICON, ACBI, Science city, Kolkata, 12th -15th December 2021
2. 62nd Annual LMCE, 30th Sep – 2nd October 2021

Name of Faculty : Dr. Dharamveer Yadav
Designation : Associate Professor

Session Chaired:

1. Panelist in Webinar on “Veda’s recognition as a source of Reference in AYUSH, Modern Medicine, Pharmacopeia& Diagnostic Method-III”. 20th -21st June 2021, Jyoti Vidyapeeth Women’s University Jaipur in association with Ministry of Ayush,Govt. of India. (Online)

Membership:

1. Awarded the Life membership of National academy of Medical Sciences(NAMS)

Research Project:

Ongoing:

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. Analysis of trace elements, complement factors and coagulation profile in outcome of COVID 19 patients- a prospective case-control study.
2. Comparison of serum levels of Klotho in patients with Nephrotic syndrome with age and gender-matched non-nephrotic syndrome controls.

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-duodenctomy 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.
12. Superoxide Dismutase Gene Polymorphism (rs4880) and Enzyme Levels in Tuberculosis Patients.
13. A study on serum Interleukin-22 levels and its receptors' expression in Tuberculosis
14. A study of TNF-alpha and blood metal profile in schizophrenia.
15. Role of miRNA in Regulation of α-Klotho Gene Expression and its Circulatory Levels in Schizophrenia.
16. Assessment of some important biomarkers in hypertensive patients: An analytic cross-sectional study.
17. Role of newer ischemic biomarker in suspected intestinal ischemia.
18. Effectiveness of Diabetes Registry on Quality of Care and Clinical Outcomes of Diabetes Mellitus patients of Rural and Urban health centers of AIIMS Jodhpur – An interventional operation research.

National Conference attended:

1. North Zone ACBICON 2022, Department of Biochemistry, PGIMER, Chandigarh, India, 22nd- 23rd April 2022
2. 47th ACBICON 2021, 12th – 15th December 2021 (Online).

Name of Faculty : Dr. Shailja Sharma
Designation : Associate Professor

Papers Presented:

1. Oral presentation " miRNA 222,210 and 146a in occupationally Pb exposed individuals, LMCE 2021 (Laboratory Medicine Congress & Exhibition) & KSLM 62nd Annual Meeting, 30th Sept -2nd Oct 2021, South Korea, Seoul.
2. mir146a and cytokines in welders of western India. 47th ACBICON,13th -15th Dec 2021, Kolkata.

Research projects:

As Principal Investigator

Completed

1. Pilot Study: miRNA 222, 210, 146a expression in occupationally heavy metal (Pb & Cd) exposed workers (Intramural Grant)

As Co-Investigator

Completed

1. Assessment of oxidative, genotoxic and global epigenetic alterations in occupationally lead exposed workers of Jodhpur.
2. Metal analysis in oral carcinoma and oral submucosal fibrosis patients
3. Expresion 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
4. Prospective observational study of ambulatory blood pressure monitoring in Resident doctors and its correlation with melatonin, HsCRP and cortisol levels
5. Effect of Blood Lead Levels on plasmacytoid dendritic cell development and function in school going children of Jodhpur

As Principal Investigator

Ongoing

1. Effect of blood lead levels on Plasmacytoid Dendritic Cell development and function in school going children of Jodhpur.

As Co- Investigator

Ongoing

1. Prospective observational study of ambulatory blood pressure monitoring in Resident doctors and its correlation with melatonin, HsCRP and cortisol levels.
2. microRNA profiling in plasma and it's correlation with tumor tissue and clinicopathological parameters in periampulaary carcinoma
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

Examinership:

1. External Evaluator PhD thesis, Dept of Biotechnology, MNNIT, Prayagraj, Allahabad, 8th Oct 2021

2. External Examiner for 1st Prof MBBS Supplementary examination Dr SN Medical college, Jodhpur, 7th - 10th April 2021
3. External Examiner for 1st Prof MBBS Supplementary examination Dr SN Medical college, Jodhpur, 10th May 2021
4. External Examiner for MSc Biochemistry examination Dr SN Medical college, Jodhpur 20th May 2021
5. External Examiner for 1st Prof MBBS Supplementary examination Dr SN Medical college, Jodhpur, 17th Aug 2021
6. External Examiner for 1st Prof MBBS Supplementary examination, Govt Medical College Pali. 20th Aug 2021
7. External examiner 1st MBBS Biochemistry Practical examination. Govt Medical College Pali,Rajasthan. 2nd – 3rd Feb 2022
8. External examiner 1st MBBS Biochemistry Practical examination, Govt Medical college Barmer. 4th -5th Feb 2022
9. External examiner 1st MBBS Biochemistry Practical examination, Sardar Patel Medical College & Associated group of PBM Hospitals, Bikaner, 6th -8th Feb 2022

Membership:

1. Member; Royal Society of Biology
2. Corresponding member; IFCC TF-GRID (International Federation of Clinical Chemistry Task Force on Global Reference Interval Database)

Post in Journal:

1. Academic Editor; PLOS ONE

International Conference Attended:

1. LMCE 2021 (Laboratory Medicine Congress & Exhibition) & KSLM 62nd Annual Meeting, Sept 30th -2nd Oct 2021, South Korea, Seoul.

National Conference:

1. 47th ACBICON, 13th -15th Dec 2021, Science City, Kolkata

Name of Faculty : Dr. Shrimanjunath Sankanagoudar
Designation : Associate Professor

Book Chapter:

1. Chandra NC, Kaur AP, Talukdar A, Saxena N, Sankanagoudar S. Cholesterol: A Potential Target for Intervention in Anti-Cancer Therapy. Frontiers in Clinical Drug Research – Anti-Cancer Agents, Atta-ur-Rahman (Editor) Bentham International Science Publications. pp 154-201, Vol 7 (48), 2021. DOI**:** 10.2174/9781681087757121070007

Papers Presented:

1. Sankanagoudar S, Tomo S, Shukla R, Sharma P. Assessment of Martin's Formula for the Estimation of Low-Density Lipoprotein Cholesterol Levels in Indian Patients with Type 2 Diabetes Mellitus. Ann Lab Med. 2021;41(1):S9. Published on 30 September 2021. [LMCE 2021 & KSLM 62nd Annual Meeting, Abstract#A-000050], September 30 to October 2, 2021.

2. Sankanagoudar S, Tomo S, Sharma P. Comparison of New and Old Formulae for LDL Cholesterol Estimation in Indian Subjects at a Higher Range of Triglyceride Ind J Clin Biochem. 2021;36(4):S1:94. Published on December 2021. [47th Annual Conference of Association of Clinical Biochemists of India (ACBICON 2021, PP# 55], December 13-15, 2021.
3. Tomo S, Sankanagoudar S, Shukla R. Cordova formula: A better classification tool for patients requiring lipid-lowering treatment. 28th National Annual Conference of Association of Medical Biochemists of India (AMBICON 2021), 2nd - 5th December, 2021, AIIMS Raipur, Chhattisgarh, India.
4. Purohit P, Roy D, Sankanagoudar S, Shukla RK, Choudhary R, Sharma P. Smad7 and Serum Growth Differentiation Factor-15 in Visceral Adipose Tissue are associated with Hyperglycemia and Insulin Resistance in Obese Individuals. Ann Lab Med. 2021;41(1):S23. Published on 30 September 2021. Abstracts [LMCE 2021 & KSLM 62nd Annual Meeting, Abstract#A-000190], September 30 to October 2, 2021.
5. Tomo S, Pilla Venkata Satya Naga KK, Sankanagoudar S, Yadav D, Dutt N, Garg MK, Sharma P, Purohit P. Serum Vitamin C Levels and Severity Status In Patients with Coronavirus Disease: A Cross-Sectional Study. Ann Lab Med. 2021;41(1):S71. Published on 30 September 2021. [LMCE 2021 & KSLM 62nd Annual Meeting, Abstract#A-000326], September 30 to October 2, 2021.
6. Venkata Satya Naga Kiran Kumar Pilla, Sojit Tomo, Sankanagoudar S, Yadav D, Dutt N, Garg MK, Sharma P, Purohit P. Association between Serum Transferrin Levels and Coronavirus Disease Severity. Ann Lab Med. 2021; 41(1):S72. Published on 30 September 2021. [LMCE 2021 & KSLM 62nd Annual Meeting, Abstract#A-000200], September 30 to October 2, 2021.
7. Sojit Tomo, Kiran Kumar Pilla Venkata Satya Naga, Shrimanjunath Sankanagoudar, Dharamveer Yadav, Naveen Dutt, Garg Mahendra Kumar, Praveen Sharma, Purvi Purohit. Association of serum copper levels to survival in COVID-19. LeadCon 2021, (Virtual Conference), October 29-31, 2021, AIIMS Jodhpur, India.
8. Venkata Satya Naga Kiran Kumar Pilla, Sojit Tomo, Shrimanjunath Sankanagoudar, Dharamveer Yadav, Naveen Dutt, Mahendra Kumar Garg, Praveen Sharma, Purvi Purohit. Can serum Zinc levels predict the COVID-19 severity? LeadCon 2021, (Virtual Conference), October 29-31, 2021, AIIMS Jodhpur, India.
9. Venkata Satya Naga Kiran Kumar Pilla, Sojit Tomo, Shrimanjunath Sankanagoudar, Dharamveer Yadav, Naveen Dutt, Mahendra Kumar Garg, Praveen Sharma, Purvi Purohit. Comparative analysis of serum magnesium levels in COVID-19LeadCon 2021, (Virtual Conference), October 29-31, 2021, AIIMS Jodhpur, India.

Research Project:

Completed:

As Principal Investigator

1. Evaluation of different formulas for LDL cholesterol calculation in patients with type 2 diabetes mellitus. Non-funded, AIIMS, Jodhpur. (2020-21)
2. Study the association between glycemic status and severity of sepsis using glycated haemoglobin. Non-funded, AIIMS, Jodhpur. (2020-21)

As Co-PI:

1. Analysis of Trace elements, Complement factors and Coagulation Profile in Clinical outcome of COVID-19 patients-a prospective case control study. Intra-mural, AIIMS, Jodhpur (2020-21) (Translational Research Group)

Ongoing:

As Principal Investigator

1. Exploring the branched-chain amino acids (BCAA) metabolism pathway genes in breast cancer: A case control study. Intra-mural, AIIMS, Jodhpur (2021-22).
2. Validation of calculated LDL cholesterol by newer Martin Hopkins' and Sampsons' formulae with direct assay in Western Rajasthan population: A Retrospective Cross-Sectional study with a Prospective arm. Non-funded, AIIMS, Jodhpur. (2021-22)

Co-Investigator

1. Utility of Pentraxin-3 and Presepsin in prognosis of sepsis in critically ill patients. Intra-mural, AIIMS, Jodhpur (2020-21)
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. Intra-mural, AIIMS, Jodhpur (2021-22).

Scientific Awards/Patents

1. Global Investigator Award, LMCE 2021 and KSLM 62nd Annual Meeting, 30th Sept – 2nd October 2021, Incheon, South Korea.

Examinership

1. Practical examination of First Professional MBBS (Main) Exam New Scheme March, 2021, S. N. Medical College (SNMC) Jodhpur (Rajasthan), 7th – 10th April 2021.
2. External examiner to conduct practical examination of P.G. MD/MS (Main) June-2021 (Biochemistry) Practical and Viva-voce examination, J. L. N. Medical College, Ajmer (Rajasthan), 25th – 26th June 2021.
3. External examiner to conduct practical examination of First MBBS New Scheme (Supplementary) July-2021 (Biochemistry Subject) at S. N. Medical College (SNMC) Jodhpur (Rajasthan), 17th August 2021.
4. External examiner to conduct practical examination of First Professional MBBS (Biochemistry Department) from GMC, Pali (Rajasthan), 1st – 3rd February 2022.
5. External examiner to conduct practical examination of First Professional MBBS (Biochemistry) Main-New Scheme, Exam January 2022 from Sardar Patel Medical College (SPMC), Bikaner (Rajasthan), 6th – 8th February 2022.

Membership/Post in Journal or Society or Association

1. Life member; Association of Clinical Chemistry & Lab Medicine Practitioners (ACCLMP)

National/ International Conferences attended:

1. Paper presented at LMCE 2021 and KSLM 62nd Annual Meeting, Incheon, South Korea, 30th September - 2nd October 2021 (Online).
2. Poster presented at 47th Annual Conference of Association of Clinical Biochemists of India, Kalyani, West Bengal, India, 13th -15th December 2021. (Online).
3. Attended LeadCon 2021: Lead, Environment & Health, October 29-31, 2021, AIIMS Jodhpur, India. (Online).
4. Speaker at International e-CME at Gadag Institute of Medical Sciences (GIMS), 26th February 2022, Gadag, Karnataka, India.

Name of Faculty : Dr. Maithili Karpaga Selvi. N
Designation : Assistant Professor

Conference and workshop attended

1. Attended the online CME - "Animal Models in Health and Disease". Post Graduate Institute of Medical Education and Research (PGIMER), 11th April 2021, Chandigarh, India
2. Attended the online workshop on sample size estimation in Health Research (SSE-2022), Department of Biostatistics and division of Research, JIPMER, 6th -7th April 2022, Puducherry

Research Project:

As Principal Investigator

1. Genetic predisposition to methylglyoxal (MGO) toxicity and its association with targeted metabolites and glyco-oxidative stress in diabetic nephropathy. Funded by DST-SERB (File Number: EEQ/2020/000081)
2. Screening of KRAS mutation in circulating tumour DNA (ctDNA) of colorectal cancer and its association with clinico-pathological outcome
3. Preventive effect of Boerhavia diffusa extract in Cisplatin (CSP) induced nephrotoxicity in Wistar Rats.

As Co- Investigator

1. Expression of Caveolin 1 in head and neck cancer and its regulation by miRNA 133a, miRNA7-5p and miRNA 383
2. Association of Long non-coding RNAs and characterization of cancer stem cell for response prediction of anti-cancer of anti-cancer therapy in metastatic prostate cancer

Membership/Post in Journal or Society or Association

1. Editorial board member; Journal of pharmaceutical negative results (2021-2022)
2. Editorial board member; Journal of Young Pharmacists (2021-2022)
3. National M.Sc. Medical Teachers Association (NMMTA) (2020/LM/RJ/BIOC/408)

Any other information

1. Completed online training on IQC, EQAS and SIX-SIGMA organised by 360 Diagnostic and Health Services Pvt Ltd. from 11th and 12th April 2020
2. Completed online “Basic Course in Biomedical Research” conducted by the ICMR (NIE) from March to June 2020.

Name of Faculty : Dr. Kamla Kant Shukla
Designation : Associate Professor (Trauma & Emergency)

Department of Burns and Plastic Surgery

S.No.	Name	Designation
1	Dr Prakash Chandra Kala	Associate Professor
2	Dr. Pawan Kumar Dixit	Assistant Professor
3	Dr. Deepti Katrolia	Assistant Professor
4	Dr Shilpi Karmakar	Assistant Professor
5	Dr. Nikhilesh Kumar	Assistant Professor

About the Department

Since its inception, Burns and Plastic surgery department has been actively involved with patient care and academic and research activities. Currently, the department has five faculties and six academic senior residents.

Department has been actively involved in undergraduate teaching through online as well as offline classes because of the Covid-19 pandemic. There has been a constant effort from departments to increase the awareness of the vast field of plastic surgery among medical students. Department is following the structured academic protocol for postgraduate students which encompasses seminars, journal clubs, and case presentations. Regular assessment and feedback are conducted to reinforce learning and keep the postgraduate students motivated. Our postgraduate students have attended online webinars and classes in collaboration with different institutes.

Research and publication are important pillars for the development of any department and we have been actively involved in research and publications. The number of publications from the department has inflated remarkably in recent years. Many research articles are under consideration in notable journals. Thesis research projects of postgraduate residents are running in the department. Faculties have submitted projects to intramural and extramural funding agencies for grants. They are members of prestigious associations and hold positions in scientific bodies.

Due to the covid-19 pandemic, regular clinical work was affected, but significant work has been done for the reconstruction of cancer and traumatic defects. Numbers of microsurgical reconstruction or free flaps have significantly increased even in times as challenging as the covid-19 pandemic. A one-year fellowship in microsurgery has already been proposed and going to be started in session 2023. The department is on the path to becoming a center of excellence in microsurgical reconstructions, hand surgeries, brachial plexus surgeries, and other reconstructive procedures. AIIMS Jodhpur has been among the top choice institutes for MCh Plastic Surgery postgraduate training. Even students and plastic surgery trainees from across the country and outside have reached out to us for visits. Department has also been at the forefront of patient education. Public awareness programs have been organized through online webinars to create awareness in the masses.

Compiled list of Publications of the department (Please ensure articles are not repeated):

Papers

PubMed Indexed:

1. Kala PC, Dixit PK, COVIDSurg Collaborative, GlobalSurg Collaborative. SARS-CoV-2 vaccination modeling for safe surgery to save lives: data from an international prospective cohort study. Br J Surg. 2021 Sep 27;108(9): 1056-1063 doi: 10.1093/bjs/znab101. PMID: 33761533

2. Kala PC, Dixit PK, COVIDSurg Collaborative, and GlobalSurg Collaborative. Timing of surgery following SARS-CoV-2 infection: an international prospective cohort study. Anesthesia 2021 June;76(6):748-758. doi:10.1111/anae.15458.
3. Kala PC, Dixit PK, COVIDSurg Collaborative, and GlobalSurg Collaborative. SARS-CoV-2 infection and venous thromboembolism after surgery: an international prospective cohort study. Anesthesia. 2022 Jan;77(1):28-39. DOI: 10.1111/anae.15563. PMID: 34428858.
4. Kala PC, Dixit PK, COVIDSurg Collaborative, and GlobalSurg Collaborative. Effects of pre-operative isolation on postoperative pulmonary complications after elective surgery: an international prospective cohort study. Anesthesia. 2021 Nov;76(11):1454-1464. DOI: 10.1111/anae.15560. Epub 2021 Aug 9. PMID: 34371522 Clinical Trial.
5. Chakraborty SS, Kala PC, Sahu RK, Dixit PK, Katrolia D, Kotu S. Fingertip Amputation Reconstruction with VY Advancement Flap: Literature Review and Comparative Analysis of Atasoy and Kutler Flaps. WJPS. 2021; 10 (3) :8-17
6. Chakraborty SS, Dixit PK, Kala PC, Sahu RK, Katrolia D, K S. A Prospective Trial Comparing Outcomes at 11 Months of a Standard Cross-Finger Flap versus a Laterally Based Thenar Flap for Fingertip Reconstruction. J Hand Surg Asian Pac Vol. 2022 Feb;27(1):49-56. DOI:10.1142/S2424835522500187. Epub 2022 Feb 9. PMID: 35135424.
7. Karmakar S, Mishra B, Singh AK, Kumar V, Upadhyay DN, Karmakar S. A study of the pattern of sensory return in various flaps in different body areas. J Plast Reconstr Aesthet Surg 2022:75;1041-7.
8. Chattopadhyay D, Kapoor A, Gupta S, Gaur N, Gupta S. The Passot Technique Revisited: No Vertical Scar Reduction Mammoplasty in Unmarried Females: A Case Series. World J Plast Surg. 2021;10(3):84-89
9. Vathulya M, Rao S, Malik A, Sinha S, Kumar N**,** Kapoor A, Bahurupi Y. Ahead of print Is 'Initial Size of the graft': The real culprit behind Primary contraction of full-thickness skin graft'? - A Cross-sectional study. Archives of Plastic surgery
10. Sarangi S, Kala PC, Boddeda TS, Elhence PA. angiomyolipoma: a rare variant over the forehead. BMJ case rep. 2021 oct 13;14(10): e244450. DOI: 10.1136/bcr-2021-244450. Pmid: 34645628; pmcid: pmc8515481.
11. Meena SP, Acharya N, Kala PC, Rohda M. isolated chest wall necrotizing fasciitis: an unusual fatal manifestation of extrapulmonary tuberculosis. cureus. 2021 dec 21;13(12): e20585. DOI: 10.7759/cureus.20585. pmid: 34956806; pmcid: pmc8692721
12. Karmakar S, Mishra B. An uncommon presentation of constriction band syndrome: Case report and review of the literature. (Accepted for publication in The Journal of Hand Surgery Asian-Pacific volume).

Non-PubMed Indexed:

1. Syal R, Chander S, Kala PC, Suresh K, Chhabra S. Mending the after-effects of simulation-based cross-skill airway training during COVID-19 pandemic: The "real" plastic surgery. Indian Anaesth Forum 2021; 22:113-4.
2. Vishnoi, J.R., Sasidhar, A., Kala, P. et al. Primary Synovial Sarcoma of the Anterior Chest Wall: a Rare Entity at Unusual Location—Case Report. SN Compr. Clin. Med. **3,** 1066–1070 (2021). doi.org/10.1007/s42399-021-00821-7
3. Karmakar S, Singh AK, Karmakar S. Chronic osteomyelitis of the zygomatic bone: Back to Benzathine penicillin. J Surg Med. 2021;5(11):00-00.
4. Bharat SS, Makkar N, Karmakar S, Singh AK. A novel technique to widen the1st web space by using the 'spare parts' of thumb polydactyly. Sri Lanka Journal of Surgery 2022; 40(1): 37-38.

Any other information:

1. Department organized Plastic Surgery awareness week from 15th to 21st July 2021 through various mediums such as radio interviews and coverage on news channels. A video elaborating on the spectrum of Plastic Surgery was released on Youtube which also included a message from the Director of the Institute. Faculties of the department, in teams, visited Urban CHC and Rural CHC along with various nearby factories to spread the awareness, prevention, and pre-hospitalization management for various burn and hand injuries.

Name of Faculty : Dr. Prakash Chandra Kala
Designation : Associate Professor

Sessions Chaired:

1. Chaired the session Breast Update at Jaipur, 27th March 2022. (Online)
2. Chaired the session at the Annual conference of the association of plastic surgeons of India APSICON 2021 in October. (Online)
3. Chaired the session at the annual conference of the Indian Society for Reconstructive Microsurgery in January 2021. (Online)

Research Project:

Ongoing:

As Principal Investigator

1. Double blind, randomized control trial to compare the efficacy of Shira micro clamps and Acland micro clamps
2. The usefulness of fasciocutaneous flap for revision of below-knee amputation stumps
3. Aesthetic and functional outcome after free toe pulp flap versus cross finger flap for finger pulp reconstruction: a randomized prospective study

As Co-Investigator:

1. Use of mobile health application to train primary health center staff in the acute management of burn injury patients in Jodhpur, Rajasthan (ICMR funded project).
2. The functional and aesthetic outcome of groin/abdomen and Posterior interosseous artery flap: a comparative study (funded project)
3. A multidisciplinary approach to the diabetic foot in the special clinic (non-funded project)
4. The evaluation of autofluorescence image in the detection of microbes in infected wounds using an AI-enabled device

Completed:

As Co-Investigator:

1. Evaluation of post-thrombotic syndrome (PTS): A Prospective Observational Study

Examinership

1. Appointed as an internal examiner in the MCh Plastic surgery examination in AIIMS, Jodhpur.
2. Appointed as external examiner in the MCh Plastic surgery examination in AIIMS, Bhopal.

3. Appointed as an examiner in the MCh Plastic surgery examination in AIIMS, Rishikesh.
4. Appointed as external examiner in the MCh Plastic surgery examination at Gujrat university.
5. Appointed as an examiner in the Rajasthan Public Service Commission (RPSC) examination.

Membership/Post in Journal or Society or Association

1. Member; The American Society of Plastic Surgeons
2. Joint secretory; Rajasthan Association of Plastic Surgeons 2022-2024
3. Reviewer; Indian journal of surgical oncology
4. Reviewer; Annals of the national academy of medical sciences
5. Reviewer; Journal of orthopedic surgery and research

National/ International Conferences attended:

1. Biostatistics, organized by Science-Tech Institute, Lucknow on 21st -27th February 2021
2. Participated in one week online national workshop on Serial Analysis and Biostatistics conducted by the science-tech institute, Lucknow on 12th-18th July 2021

Name of Faculty: Dr. Pawan Kumar Dixit
Designation: Assistant Professor

Research Project:

Ongoing:

As Principal Investigator

1. Evaluation of autofluorescence imaging in the detection of microbes in infected wounds using an AI-enabled device (non-funded project)
2. Vascular basis of expandable forearm muscles for proximal and distal based muscle flaps (Intramural project funded by AIIMS Jodhpur)
3. The functional and aesthetic outcome of groin/abdomen and PIA flap: a comparative study (non-funded project)

As Co-Investigator

1. Double-blind, randomized control trial to compare the efficacy of Shira micro-clamps and Acland micro clamps (non-funded project)
2. Aesthetic and functional outcomes after free toe pulp flap versus cross finger flap for finger pulp reconstruction: A randomized prospective study (non-funded project)
3. Usefulness of fascia-cutaneous flap for revision of below-knee amputation stumps (non-funded project)

Completed:

As Principal Investigator

1. Implication of increased uses of technology on awareness about plastic surgery in medical undergraduates (non-funded project)

Scientific Awards/Patents

1. Brig. Kathpalia fellowship of Hand Surgery 2022 awarded by the Association of Plastic Surgeons of India (APSI)

Membership/Post in Journal or Society or Association (List those obtained in the specified period):

1. Reviewer; Indian Journal of Burn (official publication of Indian Burns Association)

National/ International Conferences attended:

1. Breast update, organized by Rajasthan Association of Plastic Surgeons, 27th march 2022 held at Jaipur
2. ISRM 2022, Annual Conference of Association of Reconstructive Microsurgeons of India, 7th – 9th January 2022. (Online)
3. APSICON 2021, Annual Conference of Association of Plastic Surgeons of India, 22-24 October 2021, virtual
4. Ganga Hand & Microsurgery Operative Course, 17th – 18th July 2021. (Online)

Name of Faculty: Dr. Deepti Katrolia
Designation: Assistant Professor

Papers presented:

1. Presented an e-poster titled "Chimeric Latissimus Dorsi and Serratus anterior muscle free flap for foot degloving injury" in APSICON 2021, 22nd -24th October. (Online)

Research Project:

Ongoing:

As Co-Investigator

1. Aesthetic and Functional outcomes after free toe pulp flap versus cross finger flap for finger pulp reconstruction: A randomized prospective study
2. Usefulness of fasciocutaneous flaps for revision of below-knee amputation stumps.
3. The functional and aesthetic outcome of groin/abdomen and PIA flap: a comparative study

Membership/Post in Journal or Society or Association

1. Membership; Indian Society for Surgery of the Hand - Membership no – IN0734

National/ International Conferences attended

1. Attended virtual conference Ganga Hand & Microsurgery Operative Course, 17th- 18th July 2021. (Online)
2. Attended APSICON 2021, 22nd to 24th October
3. Attended ISRM, January 2022
4. Completed online course in Biomedical Research held in December 2021. (Online)

Name of Faculty: Dr. Shilpi Karmakar
Designation: Assistant Professor

Books/Chapters:

1. Pneumothorax: A Concise Review and Surgical Perspective, Pleura – A Surgical Perspective

Papers Presented:

1. Poster titled 'A curious case of milk under skin graft: Lessons learned' presented at APSICON 2021.

Scientific Awards/Patents

1. IX IPRAS Fund National Fellowship 2022, Awarded by the Association of Plastic Surgeons of India.

Membership/Post in Journal or Society or Association (List those obtained in the specified period)

1. Life member; The Indian Society of Surgery of Hand
2. Life member; The Indian Society of Reconstructive Microsurgery
3. Life member; The Indian Association of Aesthetic Plastic Surgery.
4. Reviewer; The Cureus Journal of Medical Sciences
5. Reviewer of Indian Journal of Burns
6. Editorial board member of Journal of Surgery.
7. Fellow of the Royal Society of Public Health.

National/ International Conferences attended:

1. Diabetic Foot Symposium 2022, 26th March 2022
2. International workshop on Advance Statistical Data analysis using SPSS from 21st -27th January 2022.
3. Completed the course in 'Basic Life Support.

Name of Faculty: Dr. Nikhilesh Kumar
Designation: Assistant Professor

Books/Chapters:

1. Chemistry and Pharmacology of Naturally Occurring Flavoalkaloids Rashmi Gaur, Jyoti and Nikhilesh Kumar**,** Medicinal Plants for Cosmetics and Health. DOI: 10.1201/9781003108375-21:403-421

Membership/Post in Journal or Society or Association:

1. Lifetime membership in the association of Plastic Surgery of India (APSI)
2. Membership in the Indian Society of Surgery of Hand (ISSH)
3. Reviewer in Cureus Journal of Medical Sciences

National/ International Conferences attended:

1. Breast update, organized by Rajasthan Association of Plastic Surgeons, 27th March 2022, Jaipur.

Department of Cardiology

S.No.	Name	Designation
1	Dr. Surender Deora	Associate Professor
2	Dr. Atul Kaushik	Assistant Professor
3.	Dr. Rahul Choudhary	Associate Professor (Trauma & Emergency)

About the Department:

The Department of Cardiology is running OPD and IPD services daily.Because of the ongoing COVID-19 pandemic the department has continued its consultation services by Telemedicine. Emergency services were continued and rescue cardiac interventions were performed as required. Once the OPD were opened for physical consultations, the department has started all its Non-invasive diagnostic services on daily basis with approx. 100 OPD consultations. The Department has continued its teaching program initially on virtual platform and later on hybrid mode. Regular seminars, journal club, Non-invasive meeting were conducted. Research was continued and enhanced in the later half of the academic session once the pandemic situation improved. Many articled were published in various PubMed indexed journals.

S No	Procedure/Investigations	Number
1	Ambulatory Blood Pressure monitoring	164
2.	Holter monitoring	417
3.	TMT	400
3.	2D Echo	Adult 9606; Pediatric 1058
4	Coronary Angiography	1479
5.	Coronary Angioplasty	939
6.	Structural Heart Interventions	35
7.	Electrophysiology and Pacemaker/Defibrillator	Nil

Compiled list of Publications of the department

Pubmed Indexed:

1. Sharma S, Das A, Deora S, Rajagopal R. "Dual" drainage in cardiac partial anomalous pulmonary venous return. J Card Surg. 2022 May;37(5):1422-1424
2. Sameema VV, Soni K, Deora S, Sharma JB, Choudhury B, Kaushal D, Chhabra S, Goyal A. Assessment of preoperative and postoperative cardiac function in children with adenotonsillar hypertrophy: a prospective cohort study. Eur Arch Otorhinolaryngol. 2022 Jun;279(6):3013-3019
3. Choudhary R, Mathur R, Sharma JB, Sanghvi S, Deora S, Kaushik A. Impact of Covid-19 outbreak on clinical presentation of patients admitted for acute heart failure in India. Am J Emerg Med. 2020 Oct 16; 39:162–3
4. Deora S, Agrawal D, Choudhary R, Kaushik A, Patel TM. Anatomical snuff box approach for percutaneous coronary interventions - Current status. Indian Heart J. 2021 Sep-Oct;73(5):539-543.

5. Deora S, Choudhary R, Kaushik A. Comment: Comparison of radial versus femoral access using hemostatic devices following percutaneous coronary intervention. Indian Heart J. 2021 Jul-Aug;73(4):525-526
6. Deora S, Sharma JB, Sharma SK, Chaudhary N, Kaushik A, Choudhary R, Charan J, Kumar D, Bohra GK, Singh K. Clinical characteristic, red blood cell indices, iron profile and prognosis of heart failure in females. Glob Cardiol Sci Pract. 2021 Jun 30;2021(2):e202113
7. Meena DS, Kumar D, Agarwal M, Bohra GK, Choudhary R, Samantaray S, Sharma S, Midha N, Garg MK. Clinical features, diagnosis and treatment outcome of fungal endocarditis: A systematic review of reported cases. Mycoses. 2022 Mar;65(3):294-302. doi: 10.1111/myc.13398. Epub 2021 Dec 3. PMID: 34787939.

Non-Pubmed Indexed:

1. Dwivedi R, Dwivedi P, Yadav SS, Bohra GK, Bhardwaj A, Dutt N, Deora S, Bhardwaj P, Panda S, Singh P, Gehlot S, Singh K. A community cross-sectional study on knowledge attitude and practice of prevention of COVID-19 among traditional tribal healers in the tribal subpopulation zone of Sirohi district of Rajasthan. International Journal Of Community Medicine And Public Health. 2022: 9(3),1324-1331.
2. Kaushik A, Singh K, Patel S, Sharma, JB, Deora S, Choudhary R, Goel AD. Telemedicine during coronavirus disease-19 pandemic: a paradigm shift in cardiovascular care. Rev. colomb. cardiol. 2021:28(4): 319-323
3. Dutta, S., Kaur, R., Bhardwaj, P., Deora, S., Singh, K., Ambwani, S., Charan, J., Abubakar, A., Jahan, I., Lugova, H., Islam, S., & Haque, M. Hydroxychloroquine as Therapeutic Option in COVID-19: Analysis of Suspected Cardiovascular Adverse Drug Events Reported in the VigiBase. Bangladesh Journal of Medical Science. 2021:20(4), 897-910.

Workshops/ Conferences Organized

1. Training of medical officers of various CHCs Jodhpur: ICMR STEMI-ACT 12th March 2022
2. Session on Ballistocardiography for MedTech students by Mr Mudit Dandwate, CEO and Co-founder, Dozee– Turtle shell technologies Pvt Ltd

Eminent Visitors:

1. Dr Ramakrishna R, Professor of Cardiology, AIIMS Delhi
2. Dr Meenakshi Sharma, Scientist G, Division of Non-Communicable Diseases, Indian Council of Medical Research, New Delhi

Any other information:

The Department has organized a training session of Medical Officers of various CHCs under CMHO Jodhpur on 12th March 2022 at AIIMS Jodhpur. The training was conducted under the project ICMR STEMI-ACT and was inaugurated by Prof Sanjeev Misra, Director & CEO, AIIMS Jodhpur and chaired by Prof Kuldeep Singh, Dean Academics, AIIMS Jodhpur. Medical officers have been trained for the management of Acute Coronary Syndrome specially STEMI at CHC level. Early use of thrombolytic agents specially bolus thrombolytics was emphasized.

Another session on the same day was conducted for MedTech students by Co-founder of Dozee healthcare Mr Mudit Dandwate on start-ups and non-contact ballistocardiography.






All India Institute of Medical Sciences Jodhpur
ICMR STEMI ACT
Training Program Medical Officers
CHCs, Jodhpur


All India Institute of Medical Sciences Jodhpur
ICMR STEMI ACT
Training Program Medical Officers
CHCs, Jodhpur

Name of Faculty : Dr. Surender Deora
Designation: Associate Professor

Paper Presented

1. Harshita Bamnawat, Aliza Mittal, Kuldeep Singh, Surender Deora, Mukesh Swami. Ambulatory blood pressure monitoring for unmasking hypertension among adolescents with stress. National ADOLESCON 12th November 2021. Adolescent Health Academy, Lucknow Branch & Lucknow Academy of Pediatrics. (Adjudged First in the category)

Sessions Chaired:

1. Faculty, Chairperson – Society for Cardiac Interventions SCICON 2021, 4th September 2021
2. Faculty, Chairperson – STEMI in shock: expert round table, STEMI Council CSI National Conference, 25th & 26th September 2021
3. Faculty, Panelist – Approach to Dyslipidemias, AIIMS Bhatinda, 6th Oct 2021
4. Faculty – Heart Failure Nursing Training Module, 2nd INSHLT virtual annual meeting, 26 Nov 2021

Invited Lectures

1. Clinical Inertia – Impacting HF Outcomes. Knowledge Forum 28th August 2021, Virtual platform

Resource Faculty

1. Recorded a lecture on Nursing upskilling program - India-Sweden Healthcare Innovation Centre.

Research Project:

Ongoing:

As Principal Investigator:

1. Myocardial performance determination through non-contact ballistocardiography; Turtle Shell Technologies Pvt Ltd, Bengaluru

As Co-Investigator

1. WHF COVID – cardiovascular disease survey
2. 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).
3. Sentinel Surveillance for Adverse Events Special Interest (AESI) folowg COVID-19 vaccination in India

Completed:

As Principal Investigator:

1. Assessment of the diameter of distal radial artery and radial artery using ultrasound in patients of coronary artery disease undergoing percutaneous diagnostic or therapeutic intervention.
2. AIIMS Jodhpur Heart Failure Registry (AJHFR)

Examinership

1. DM Cardiology Paper setter (Jan 2022), Gujarat University, Ahmedabad

Membership/Post in Journal or Society or Association

1. Editorial board member: Pacific Journal of Medical and Health Sciences

National/ International Conferences attended:

1. Faculty – Heart Failure Nursing Training Module, 2nd INSHLT virtual annual meeting, 26 Nov 2021

Name of Faculty : Dr. Atul Kaushik
Designation : Assistant Professor

Session Chaired:

1. Complex Case Symposium, Jaipur on 18/2/22

Symposium Speaker:

1. "Cardiovascular system disorders in elderly" at Training of medical officers in comprehensive geriatric care, at AIIMS Jodhpur on 22/03/2022.
2. "Complications of STEMI and management" at AIIMS Jodhpur on 12th March 2022, for ICMR STEMI ACT training program.

Resource Faculty:

1. Training of Medical officers for ICMR STEMI program

Research Project:
Ongoing:
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.

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).
2. 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.
3. Prospective, Observational study to assess the prevalence of complications in Cardiac surgical patients after early removal of chest drains.

Completed:
As Co-Investigator:

1. Assessment of the diameter of distal radial artery and radial artery using ultrasound in patients of coronary artery disease undergoing percutaneous diagnostic or therapeutic intervention.

Membership/Post in Journal or Society or Association

1. Fellowship at the European Society of cardiology (FESC)
2. Fellow of American college of Cardiology (FACC)
3. Life Member Cardiological Society of India CSI.

Name of Faculty : Dr. Rahul Choudhary
Designation : Associate Professor (Trauma & Emergency)

Department of Cardio-Thoracic & Vascular Surgery (CTVS)

S.No.	Name	Designation
1	Alok Kumar Sharma	Associate Professor
2	Surendra Patel	Associate Professor
3	Danishwar Meena	Assistant Professor
4	Anupam Das	Assistant Professor
5	Madhusudan Katti	Assistant Professor

About the Department

Department of Cardio-Thoracic & Vascular Surgery is a superspeciality , branch of Surgery which work for Vascular, Thoracic, and Cardiac malformations or acquired diseases. The Department of Cardio-Thoracic & Vascular Surgery has also come up in a distinguished manner in areas of teaching, research, and the patient care to match the fast Pace of growth of AIIMS, Jodhpur The Department of Cardio-Thoracic & Vascular Surgery at AIIMS, Jodhpur is presently involved in the diagnosis and management of Cardiac, Thoracic, and vascular cases. Cardiac cases include Valvular heart disease, coronary artery disease, congenital heart disease, and cardiac tumors We have performed two Bentall's Procedure for Ascending Aorta Aneurysm, which were first among all new. AIIMS. The CTVS department also accelerated the program of congenital heart surgery during 2021-22. The department started operating children less than 10 kg body weight and extended the spectrum over a wide range of diagnosis including acyanotic heart diseases ASD, VSD, Coarctation of Aorta, cyanotic heart diseases like Tetralogy of Fallot, TAPVC, univentricular hearts. Modified Blalock Taussig shunts were successfully performed in 3 infants with age ranging from 03 months to 01 year.. Department started to take up complex emergency procedures like cardiac Cath Lab complications, CABG, BT Shunt, BD Glenn along with other vascular, tracheal or thoracic surgeries. We are regularly doing Hybrid Endovascular procedures along with the department of Intervention Radiology. The department has also started ECMO (Extra Corporeal Membrane Oxygenation) program by initiating Venovenous ECMO in Viral pneumonia patient and successfully wean patient after 43 days of ECMO.

The department have operated a total of 168 patients, including 127 open heart surgery cases, 28 vascular surgical cases, 3 thoracic surgical cases, and 10 others cases in 2021-2022. 76 patients were managed conservatively.

The Department of Cardio-Thoracic & Vascular Surgery is conducting OPD services 05 days a week. We have re-started using our two state of the art modular OT this year with Elective Surgery 05 days in a week (Monday to Friday) and Emergency surgery on emergency basis. The Department also provides assistance to other departments in various operation. The Department has started Pediatric cardiac surgery clinic every Friday for patients with congenital heart disease. The Department is conducting a Vascular clinic every Thursday, in association with the Department of Diagnostic and Interventional Radiology. CTVS-Radiology meet is also conducted every week on Wednesday, in association with the Department of Diagnostic and Interventional Radiology to discuss imaging of all the cases.

The department is also starting paramedical courses (MSc Perfusion technology and B. Sc Perfusion technology) this year from July 2022 onwards. The department has always been at the forefront in undergraduate teaching and is regularly conducting lectures, PBL, UNCLE class, and active participation in

regular CGR and CPC being conducted in the Institute. The PG students are also being posted in clinics of the department on a rotational basis.

Compiled list of Publications of the department

PubMed-Indexed

1. Patel, S., Das, A., Rajagopal, R. *et al.* Successful open surgical repair of large ilio-caval fistula presenting with congestive heart failure. Indian J Thorac Cardiovasc Surg.2022; 38, 96–98.
2. Garg PK, Tiwari S, Ghosh TS, Patel S, Sharma A, Khera PS. Cascade of Complications Following Carotid Body Tumor Excision. Neurointervention. 2021 Nov;16(3):298-302.
3. Kaushik A, Sharma JB, Patel S, Choudhary R, Identifying "crossed aorta sign" in anomalous single origin of coronary arteries, IHJ Cardiovascular Case Reports (CVCR), 2021;5(1), 62-65.
4. Rajagopal R, Chawla S, Kaushal N, Das A. A 'Masked' Anomalous Left Coronary Artery From Pulmonary Artery: Utility of Endoluminal Views. Pediatr Cardiol. 2022 Jan;43(1):244-246.
5. Chaudhry Rama, Khullar Swati, Arif Nazneen, Sagar Tanu, Meena Danishwar, Ujjwal Chowdhury. (2021). Clostridioides difficile from intracardiac vegetation. Anaerobe. 69. 102350. 10.1016/j.anaerobe.2021.102350.

Non-PubMed Indexed

1. Kaushik A, Singh K, Patel S, Sharma JB, et al. Telemedicine during coronavirus disease-19 pandemic: a paradigm shift in cardiovascular care. Rev Colomb Cardiol. 2021;28(4):23-4
2. Sharma AK, Patel S, Meena D, Kumar M, Kamal M, Kaushik A. Pericardial cyst: revisited. Egypt J Cardiothorac Anesth 2021;15:58-60.

Workshops/ Conferences Organized

1. Workshop on Cadaveric multiorgan retrieval. Department of CTVS, GI Surgery, Urology and Anatomy, Wet Lab, AIIMS Jodhpur, 26th March 2022
2. Workshop on Tips and Techniques in Vascular Anastomosis and sutures" for Residents of department of General Surgery, OPD Block 5A, AIIMS Jodhpur, 12th Feb 2022.
3. Workshop on Tips and Techniques in Vascular Anastomosis and sutures" for Residents of department of Surgical Oncology, OPD Block 5B, AIIMS Jodhpur, 12th March 2022

Eminent Visitors:

1. Dr. Shantanu Pandey, Professor, Department of CTVS, SGPGI Lucknow
2. Dr. Milind Hote, Professor, Department of CTVS, AIIMS, New Delhi
3. Dr. Srinivas, Senior Pediatric Cardiologist, Mumbai

Any other information:

1. The Department has Conducted Cadaveric multiorgan retrieval workshop, on 26th March 2022 at AIIMS Jodhpur, with department of Surgical gastroenterology & Urology. Dr. Milind Hote from AIIMS Delhi came as resource faculty for the conference. Conference was in Hybrid mode and well attended physically as well as online as zoom transmission.



Live demonstration during Cadaveric multiorgan retrieval workshop



Participants during the cadaveric workshop



2. The department also conducted workshops for residents “Tips and Techniques in Vascular Anastomosis and sutures”, on 12th March 2022, at AIIMS, Jodhpur, with department of Surgical Oncology and 12th Feb 2022, at AIIMS, Jodhpur, with department of General Surgery.



Expert briefing on Tips and Techniques in Vascular Anastomosis and sutures



Residents practicing Hands-on during the workshop



Faculty from various specialties delivering comments and discussing on various tips and techniques involved

Name of Faculty: Dr. Alok Kumar Sharma
Designation: Associate Professor

Sessions Chaired:

1. Cadaveric Heart and Lung retrieval. Cadaveric multiorgan retrieval workshop, 26th March 2022, All India Institute of Medical Sciences, Jodhpur.
2. "Heart Transplant Workshop, including infrastructure requirement, recipient selection, workup/ cardiac catheterization". Heart Lung Transplantation Workshop "ANNUAL MEETING- The Digital Experience", Indian Society for Heart & Lung Transplantation in collaboration with International Society for Heart & Lung Transplantation, 26th- 28th November 2021, AIIMS, New Delhi,

Resource Faculty:

1. Cadaveric multiorgan retrieval workshop, as an organizing committee member and moderated session of heart retrieval, 26th March 2022, AII India Institute of Medical Sciences, Jodhpur.
2. Workshop "Tips and Techniques in Vascular Anastomosis and sutures", 12th March 2022, AII India Institute of Medical Sciences, Jodhpur.
3. Workshop "Tips and Techniques in Vascular Anastomosis and sutures", 12th Feb 2022, AII India Institute of Medical Sciences, Jodhpur.
4. Heart Lung Transplantation Workshop "ANNUAL MEETING- The Digital Experience" conducted by Indian Society for Heart & Lung Transplantation in collaboration with International Society for Heart & Lung Transplantation, 26th- 28th November, 2021.

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.

As Co-Investigator

1. Knowledge, attitude and practices among cardiac surgical patients towards COVID-19 and accessibility of medical care facilities during pandemic outbreak.
2. 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. AII India Institute of Medical Sciences, Jodhpur.
3. Prospective, Observational study to assess the prevalence of complications in Cardiac surgical patients after early removal of chest drains.

Examiner:

1. External Subject Expert. Selection Board for the Faculty Recruitment of AIIMS, Nagpur, 19th July 2021

National/ International Conferences attended:

1. IACTS Technocollege 2021. The proceedings of Department of Cardiovascular And Thoracic Surgery, Sree Chitra Tirunal Institute For Medical Sciences And Technology, Thiruvananthapuram, 24th - 25th July 2021
2. Heart Lung Transplantation Workshop. ANNUAL MEETING- The Digital Experience, Indian Society for Heart & Lung Transplantation in collaboration with International Society for Heart & Lung Transplantation, 26th- 28th November 2021.
3. Online National workshop on Multivariate Analysis & Graphics With R Software. Science Tech Institute of Lucknow, 14th – 18th June 2021. (Virtual)
4. IACTS-CARDIAC CME 2021. 18th – 19th September 2021. (Virtual)

Name of Faculty: Dr Surendra Patel
Designation: Associate Professor

Sessions Chaired:

1. Cadaveric Heart and Lung retrieval, Cadaveric multiorgan retrieval workshop, 26th March 2022, AII India Institute of Medical Sciences, Jodhpur.

Resource Faculty:

1. Cadaveric multiorgan retrieval workshop, as an organizing committee member and moderated session of heart retrieval; 26th March 2022, AII India Institute of Medical Sciences, Jodhpur.
2. Workshop “Tips and Techniques in Vascular Anastomosis and sutures”; 12th March 2022, AII India Institute of Medical Sciences, Jodhpur.

3. Workshop “Tips and Techniques in Vascular Anastomosis and sutures”; 12th Feb 2022, AII India Institute of Medical Sciences, Jodhpur.

Research Project:

Ongoing:

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. AII India Institute of Medical Sciences, Jodhpur.
2. Prospective, Observational study to assess the prevalence of complications in Cardiac surgical patients after early removal of chest drains.

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. AII India Institute of Medical Sciences, Jodhpur.
2. Knowledge, attitude and practices among cardiac surgical patients towards COVID-19 and accessibility of medical care facilities during pandemic outbreak.
3. Trends of Acute Myocardial infarction during COVID-19 Pandemic- A single centre observational study.
4. Clinical profile and predictors of morbidity and mortality in patients with COVID-19 associated cavitating lung diseases

Examinership

1. Entrance Examination for INI-CET Admission to PG courses for July, 2021 session. Digital Zone, Jodhpur, 22nd July 2021.

Membership/Post in Journal or Society or Association

1. Member; European Association of Cardiothoracic and Vascular surgeon (EACTS)

Name of Faculty: Dr. Anupam Das
Designation: Assistant Professor

Sessions Chaired:

1. Session on “Heart Transplant Workshop, including infrastructure requirement, recipient selection, workup/ cardiac catheterization” in Heart Lung Transplantation Workshop “ANNUAL MEETING- The Digital Experience”, Indian Society for Heart & Lung Transplantation in collaboration with International Society for Heart & Lung Transplantation, 26th- 28th November, 2021, AIIMS, New Delhi.

Resource Faculty:

1. Cadaveric multiorgan retrieval workshop, as an organizing committee member and moderated session of heart retrieval; 26th March 2022, AII India Institute of Medical Sciences, Jodhpur.

2. Workshop “Tips and Techniques in Vascular Anastomosis and sutures”; 12th March 2022, AII India Institute of Medical Sciences, Jodhpur.
3. Workshop “Tips and Techniques in Vascular Anastomosis and sutures”; 12th Feb 2022, AII India Institute of Medical Sciences, Jodhpur.

National/ International Conferences attended:

1. “AIIMS Primer Cardiovascular Radiology” hybrid scientific session, Department of Cardiovascular Radiology, AIIMS New Delhi, 20th -21st November 2021 conducted in collaboration with Society of Image Guided Therapy and Cardiovascular Radiology Educational Forum.
2. Heart Lung Transplantation Workshop “ANNUAL MEETING- The Digital Experience” conducted by Indian Society for Heart & Lung Transplantation in collaboration with International Society for Heart & Lung Transplantation, 26th- 28th November 2021.
3. SCORE 2021. IACTS, 3rd-4th April, 2021

Name Of Faculty: Dr. Danishwar Meena
Designation: Assistant Professor

Resource Faculty:

1. Cadaveric multiorgan retrieval workshop, as an organizing committee member and moderated session of heart retrieval. 26th March 2022, All India Institute of Medical Sciences, Jodhpur.
2. Workshop “Tips and Techniques in Vascular Anastomosis and sutures”, 12th March 2022, All India Institute of Medical Sciences, Jodhpur.
3. Workshop “Tips and Techniques in Vascular Anastomosis and sutures”, 12th Feb 2022, All India Institute of Medical Sciences, Jodhpur.

Name Of Faculty: Dr. Madhusudan Katti
Designation: Assistant Professor

Resource Faculty:

1. Cadaveric multiorgan retrieval workshop, as an organizing committee member and moderated session of heart retrieval, 26th March 2022, All India Institute of Medical Sciences, Jodhpur.
2. Workshop “Tips and Techniques in Vascular Anastomosis and sutures”, 12th March 2022, All India Institute of Medical Sciences, Jodhpur.
3. Workshop “Tips and Techniques in Vascular Anastomosis and sutures”, 12th Feb 2022, All India Institute of Medical Sciences, Jodhpur.

Department of Community Medicine & Family Medicine

S. No.	Name	Designation
1.	Prof. Pankaja Ravi Raghav	Professor and Head of the Department
2.	Dr. Pankaj Bhardwaj	Additional Professor
3.	Dr. Neeti Rustagi	Additional Professor
4.	Dr. Srikanth Srinivasan	Associate Professor
5.	Dr. Manoj Kumar Gupta	Associate Professor
6.	Dr Naveen K.H	Associate Professor
7.	Dr. Prem Prakash Sharma	Associate Professor
8.	Dr. Akhil Dhanesh Goel	Associate Professor
9.	Dr. Prasanna Thirunavukkarasu	Associate Professor
10.	Dr. Suman Saurabh	Assistant Professor

About the Department:

Patient Care : The following four centres in rural and urban Jodhpur are visited by the department and patient care services are being provided.

(i) Urban Health Training Centre, (Shree Swami Prabhutanand Government Hospital) , Pratap Nagar
(ii) Centre for Rural Health AIIMS (CRHA), Dhawa,
(iii) Centre for Rural Health AIIMS (CRHA), Keru
(iv) Centre for Rural Health AIIMS (CRHA), Dhundhara.

The Department provides regular Immunization services, breastfeeding, complementary feeding & counseling to mothers of under two children .

Teaching and Training: The clinical skill, teaching skills, leadership training are being provided by the department of community medicine to the post graduate students through various PG activities. The training for clinical skills is provided to undergraduates at health centres under the supervision of faculty members.

The disease related and environment factors are being studied through “Family Health Advisory Services (FHAS)” in the family and community.

The department is involved in teaching full course in Biostatistics to Postgraduate students (MSc-Nursing) in AIIMS Jodhpur and support for teaching whole course of Biostatistics to Postgraduate MD (Ayurved) and PhD students in Dr. Sarvepalli Radhakrishnan Rajasthan Ayurved University, Jodhpur.

Health Education: The lectures, Street play, Quiz are being organized by the department for health education for creating awareness in the public. These activities are being organized in rural and urban health centres attached to AIIMS Jodhpur. Such activities were organized on special days like World Health Day (7th April), World No Tobacco Day(31stMay),World Population Day (11th July); World Hepatitis Day(28thJuly);World Breastfeeding Week(Istweek of August); World Rabies Day(28th September);World Mental Health Day (12th October);World AIDS Day (1st December);World Leprosy Day (30th January);World Cancer Prevention Day(4th February); National Deworming Day (10th February); Sexual and Reproductive Health Awareness Day (12th February);World hearing day (3rd March);World TB Day (24th March).

1. On the occasion of World Health day (7th April 2021), a quiz competition was organized among students of 6th to 9th class to increase the awareness regarding health issues among students. Prize distribution and consolation prizes were given to motivate the children. A health talk was also given. The theme of the day was 'Building a Fairer and Healthier World for Everyone Everywhere". A play was also organised by the interns highlighting the importance of Exclusive Breast Feeding, Weaning, and Anemia (pregnancy and postnatal period).The activities were covered by local media and the same was telecasted in local news channel and YouTube channel (https://youtu.be/5Mybig9Ts1g).









2. World No Tobacco Day (31st May 2021) was celebrated with the theme of the year "Commit to Quit" and "Quit Tobacco to be a Winner". A health talk was organized to spread awareness regarding the ill effects of using tobacco through smoking or chewing. Posters were also displayed to give awareness for the same.

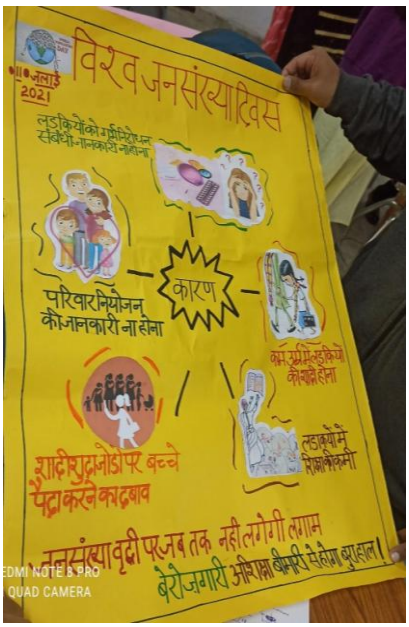




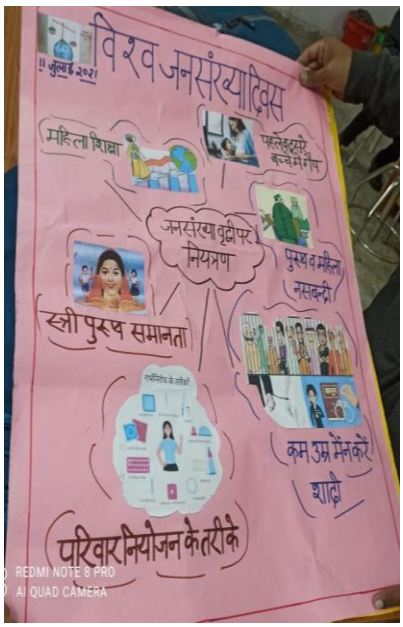




3. World Population Day: Counseling regarding family planning was given to the OPD patients and also to their attendants. Advantages and disadvantages of all methods of contraception, were also explained on the occasion of World Population day (11th July 2021)







Poster display for awarness regarding Population control

4. The importance of hepatitis B vaccination for health care workers was explained on World Hepatitis day (28th July2021) with the theme “Hepatitis Can‘t Wait”. The awareness about viral hepatitis was also explained.



Experts briefing about the Hepatitis B

5. World Breastfeeding Week was celebrated during first week of August 2021 by providing awareness about benefits of breast feeding. Various health talks were organized during the week. Videos were played and shown regarding the proper attachment and techniques of breast feeding by using the laptop. The questions and doubts raised by the participants were clarified. The theme of the day was “Protect Breastfeeding: A Shared Responsibility”.







Expert demonstrating proper attachment and techniques of breast feeding







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6. World Rabies day was observed on 28th September 2021. A health talk was organized to explain the importance of vaccination of stray animals. The facts about rabies, prevention and management, followed by a quiz for the students was also arranged with the theme ”Rabies Facts , not Fear”. Multiple choice quiz competition was held among students of class IX and X standards¨









During a quiz session with school students

7. The theme of World Mental Health Day on 12th Oct 2021 was "Mental health in an unequal world". A skit was presented emphasizing on the problems faced by a mentally ill person and his family. The skit also explained that if a person with mental ailment gets proper treatment with right support on time, they can actually lead a normal life.





During a Skit on World Mental Health Day

8. Health talk was delivered on **World AIDS Day** to all health care workers and general public regarding methods of transmission, treatment options available , nearby testing centres , methods of disposal of waste and sharps . Red ribbons were distributed among all staff and they were encouraged to wear the same. Health talk was provided regarding the disease, mode of spread and importance of preventive measures. Risk factors, importance of screening and stigma associated with the disease were explained.








Spreading awareness through Talk and Posters to health care workers and general public on World AIDS day

9. Health talk was given regarding the symptoms, signs and importance of screening of Breast, Oral and Cervical Cancer on **World Cancer Prevention Day on 04th February 2022**, the need to visit health care centers for early detection if they experience any related symptoms. Self-breast examination was also explained to all the females with illustrations. A question and answer session was kept at the end of the session.







During a Q&A session with rural women regarding Breast, Oral and Cervical Cancer

10. World TB Day was celebrated on 24th March 2022 in all the centers for all TB patients currently under treatment in the center and the bystanders. Health education was imparted on symptoms, treatment, diagnosis, importance of proper nutrition, cough etiquettes and how to dispose of the sputum. Their doubts about what to do during treatment phase were cleared. The theme was “Invest to End TB , Save lives”. Poster competition was organized for the school students.



Ongoing Health education session for TB patients



Community Awareness Camp and Prize distribution for World TB day Quiz at Government Secondary School, Dhawa



Interactive session at CRHA Dhawa



Felicitation of TB patients who successfully completed the treatment



Figure1. Students participated in poster competition on the topic " Tb Harega Desh Jeethega"



Figure2. Exhibition of Posters prepared by students at CHC Keru on World TB Day



Figure 3. Prize distribution for winner of poster competition



टीबी जागरूकता को लेकर प्रतियोगिता का आयोजन

स्कूली बच्चों को किया गया पुरस्कृत

दैनिक सच्ची रिपोर्ट

देश जीतेगा टीबी हारेगा तर्ज पर चलाया जा रहा है टीबी जागरूकता अभियान

राजूराम पटेल

धवा। विश्व तपेदिक दिवस जो हर साल 24 मार्च को मनाया जाता है इसी के तहत गुरुवार को रा.उ.मा.वि धवा में झक्र(क्षय रोग) के सम्बन्ध जागरूकता लाने हेतु विभिन्न कार्यक्रमों का आयोजन किया गया द्य जिसमें भाषण एवं क्विज का आयोजन किया गया द्य डॉक्टर संदीप एवं डॉक्टर भरत के द्वारा टी बी के बारे में जानकारी देकर एक क्विज प्रतियोगिता करवाई गई इसमें रा.उ.मा.वि धवा एवं विजय इंटरनेशनल स्कूल धवा के कक्षा 9 के विद्यार्थियों ने भाग लिया द्य रा.उ.मा.वि धवा की कक्षा 9 की छात्रा सरोज पटेल ने क्षय रोग के लक्षण, बचाव एवं इलाज के बारे में बताया द्य क्विज प्रतियोगिता में दोनों विद्यालय की 6 टीमों ने भाग लिया जिसमें प्रथम स्थान पर विजय इंटरनेशनल स्कूल धवा के कक्षा 9 के विद्यार्थी लोकेश कुमार एवं श्याम देवासी रहे वहीं द्वीतीय एवं तृतीय स्थान पर रा.उ.मा.वि धवा के विद्यार्थी क्रमशः अन्नू कंवर – अनिल बिश्नोई व प्रेरणा बिश्नोई द्ध प्रियंका पटेल रहे द्य जिसमे गांव के बच्चो को और जितने वाले बच्चो को एम्स के सामुदायिक चिकित्सा एंड पारिवारिक चिकित्सा की विभागाध्यक्ष आचार्य डॉक्टर पंकजा राघव, सह आचार्य डॉ नवीन के एच, सहायक आचार्य डॉ सुमन सौरभ, सरपंच प्रतिनिधि सुभाष , रा.उ.मा.वि धवा के प्रधानाचार्य श्री श्यामलाल सिरोहिवाल , विजय इंटरनेशनल स्कूल धवा के डायरेक्टर प्रहलाद के द्वारा प्रशस्ति पत्र प्रदान कर पुरस्कृत किया गया द्य डॉ पंकजा भार्गव ने कहा की हम सभी को मिल कर लोगों में क्षय रोग के प्रति जागरूकता लानी है और इस रोग का सम्पूर्ण इलाज संभव है द्य एम्स की टीम की तरफ से जिसमे डॉ.अंकित, डॉ. अस्वती, डॉ सुसिंदर, डॉ निशांत, डॉ खुशबू, डॉ दिव्यांश एवं टीबी की जिला सुपरवाइजर सुशीला जी के सहयोग से टीबी के मरीज जो दवाई ले रहे हैं एवं डॉट्स प्रोवाइडर को टीबी का इलाज सही से पूरा करने और खान पान के बारे में जानकारी दी गई, इस उपलक्ष्य में टीबी चैंपियन (जो अपना इलाज पूरा करके ठीक हो चुके है) को सम्मानित किया गया और उन्होंने अपने अनुभव सभी के साथ सांझा किए । इस मौके पर एम्स के सामुदायिक चिकित्सा एवं परिवार चिकित्सा विभाग की विभागाध्यक्षा डॉ पंकजा राघव, सह आचार्य डॉ नवीन के. एच., सहायक आचार्य डॉ सुमन सौरभ , रेजिडेंट चिकित्सक डॉ अंकित मित्तल, डॉ अस्वथी एस.आर., डॉ सुशेंद्र एस, डॉ संदीप यादव, डॉ भरत वैष्णव, डॉ निशांत एस; इंटर्न्स डॉ खुशबू अग्रवाल, डॉ दिव्यांश गुप्ता एवं सहायक महावीर सिंह जी, डीआरटीबी काउंसलर सुशीला, पूर्व विधार्थी परिषद सदस्य राजूराम पटेल सहित कई गणमान्य व युवा मोजूद रहे। कार्यक्रम का संचालन व्याख्याता तिलक पुनड ने किया। एवं शा.शि. संदीप सिंह का सहयोग सराहनीय रहा ।

News paper report on the activities conducted at CRHA Dhawa

11. World Hearing day on 3rd March 2022 was celebrated with the theme : To hear for life , Listen with care". Health talk delivered regarding the causes, symptoms , prevention and treatment of ear conditions. During the programme, importance of avoiding loud circumstances for preventing hearing loss was made . On this day hearing and screening for ear diseases was done. Parents of the affected children were informed with the help of school principal.











Awareness session conducted at Anganwadi for school students and health care workers



Screening camp conducted for primary school children at Government School, Dhawa

12. As a part of **National Deworming Day on 10th February 2022,** awareness session was organized by emphasizing the importance of deworming in children and pregnant women. The symptoms of hook worm infestation and precautions to be taken to prevent such infection were explained.





Awareness Session for Health care workers and mothers of under five children

13. Sexual and Reproductive Health Awareness Day was celebrated on 12th February 2022 . The session covered the adolescence issues related to safety, emotional and mental wellbeing along with nutrition and menstrual hygiene. The day was observed as part of health awareness day. IEC materials, short videos related to contraception and family planning and menstrual hygiene were shown followed by health talk and discussion on each topic. IEC materials based on ANC and PNC care, reproductive health and HIV awareness were also explained.









Health awareness session on adolescent health and menstrual hygiene



Figure 1 Sexual and reproductive health education

14. World leprosy day on 30th January 2022 was organized for awareness about leprosy and common stigmas associated with it. A skit was organized by demonstrating scenarios in which leprosy patient goes through the course of the disease. Session was ended with doubt clearing session.



Figure 2 WORLD LEPROSY DAY - CRHA KERU





Figure : Sparsh campaign - World Leprosy Day

Compiled list of Publications of the department

PubMed Indexed:

1. Gupta MK, Raghav P, Tanvir T, Gautam V, Mehto A, Choudhary Y, Mittal A, Singh G, Singh G, Baskaran P, Rehana VR, Jabbar SA, Sridevi S, Goel AD, Bhardwaj P, Saurabh S, Srikanth S, Naveen KH, Prasanna T, Rustagi N, Sharma PP. Recalibrating the Non-Communicable Diseases risk prediction tools for the rural population of Western India. BMC Public Health. 2022 Feb 22;22(1):376. doi: 10.1186/s12889-022-12783-z. PMID: 35193546; PMCID: PMC8862298.
2. Rustagi N, Choudhary Y, Kumar N, Shafi S, Saurabh S,Thirunavukkarasu P, Raghav P. Adherence to healthy behavioral practices promotes COVID 19 preventive behavior among chronic disease patients: A cross-sectional study from urban Rajasthan, India. J Family Med Prim Care 2022 (Accepted for Publication)
3. Rustagi N, Choudhary Y, Asfahan S, Deokar K, Jaiswal A, Thirunavukkarasu P, Kumar N, Raghav P. Identifying psychological antecedents and predictors of vaccine hesitancy through machine learning: A cross sectional study among chronic disease patients of deprived urban neighbourhood, India. Monaldi Arch Chest Dis. 2022 Mar 16. PMID: **35315260 ,** DOI: 10.4081/monaldi.2022.2117
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8. Naveen KH, ThotaRajasekhar, Pankaja Raghav, JitenderAneja, Manoj Kumar Gupta, PP Sharma, Akhil Dhanesh Goel, Srikanth Srinivasan, Prasanna T. Prevalence and predictors of internet addiction among college students in Jodhpur city, India September 2021. International Journal of Epidemiology 50 (Supplement_1) 10.1093/ije/dyab168.346
9. Baskaran TP, Raghav P, K H N, Saurabh S. Enabling Readiness of a School to Reopen during a Pandemic - A Field Experience. Disaster Med Public Health Prep. 2021 Aug 13:1-14. doi: 10.1017/dmp.2021.239. Epub ahead of print. PMID: 34384516.
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Non-PubMed Indexed:

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2. Raghav PR, Bakshi R, Jaiswal A, Rustagi N. Infectious Diseases Beyond COVID-19. A FICCI-Elsevier White Paper. Sep 2021. 1:61
3. Mantri N, Gupta MK, Bhardwaj P, Goel DA, Saurabh S, Misra S. The Trend of COVID-19 Pandemic in India: A Methodical Comparison with Italy, UK, and the US. Natl J Community Med 2022;13(3):163-170.

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12. Joshi N.K., Jain Y.K., Joshi V., Kumar N., Sharma J., Bhardwaj P. Assessment of health-related quality of life among patients with non-communicable diseases (2021) International Journal of Public Health Science; Vol. 10, No. 4, December 2021, pp. 724~729
13. Kumar N, Joshi NK, Jain YK, Singh K, Bhardwaj P, Suthar P, Manda B, Kirti R. Challenges, Barriers, and Good Practices in the Implementation OPININBal Swasthya Karyakram in Jodhpur, India. Ann Natl Acad Med Sci (India). 2021;57:237-43
14. Gupta M, Goel AD, Bhardwaj P. The COWIN portal–current update, personal experience and future possibilities. Indian Journal of Community Health. 2021 Jun 30;33(2):414-.

Workshops/ Conferences Organized

1. 2nd Annual National Conference of Epidemiology Foundation of India. AIIMS Jodhpur, 29th – 30th October 2021. (Online)
2. Training of Medical Officers in Comprehensive Geriatric Care. AIIMS Jodhpur, 21st – 23rd March 2022.
3. Webinar on the "Informed consent" on the occasion of World Bioethics Day 2021, AIIMS Jodhpur, 19th October 2021. (Online)
4. National Webinar on Addressing Diabetes Mellitus through FoPL in India, AIIMS Jodhpur, 28th June 2021. (Online)
5. Online CME: Statistics in Health Research on the occasion of National Statistics Day, 29th June 2021. (Online)

Eminent Visitors

1. Prof Indranil Saha Scientist –E(Medical) visited the department on 12th March 2022 and delivered a guest lecture.
2. Dr Madhumita Dube, Former Dean, Director and HOD at All India Institute of Hygiene and Public Health,(AIIHPH) in Kolkata, West Bengal visited the department and delivered a guest lecture on 12th March 2022.
3. Prof. Jugal Kishore, Director, Prof & Head, Department of Community Medicine, Vardhman Mahavir Medical College (VMMC)and Safdarjung Hospital , New Delhi on 12th March 2022.

Name of Faculty: Prof. Pankaja Ravi Raghav
Designation: Professor and Head

Books/Chapters:

1. Raghav P, Gupta MK. Occupational Health. In IAPSM's Textbook of Community Medicine, Editor-in-Chief AM Kadri, 2nd edition, Jaypee2021: pp 223-234.
2. Guest Commentary on Community Engagement in India for achieving the Zero malaria target by 2030– MERA India (MERA-India Newsletter – Issue 11th September 2021)
3. IAPSM Advisory on Menstrual Health and Hygiene Management – 13th April 2022 (http://iapsm.org/pdf/publication/IAPSM%20Advisory%20on%20Menstrual%20Health%20and%20Hygiene%20Management_13_April-2022.pdf)
4. IAPSM's Advocacy brief on menstrual cup – 24th March 2022

Papers Presented:

1. Raghav P. Assessment of Awareness of COVID-19 and Quality of Life among Silica-exposed Workers and their Families of Jodhpur. IPHACON 2021, JIPMER Puducherry, 23rd – 26th September 2021. (Online)
2. Raghav P. Impact of implementation of the healthy workforce model to improve preventive measures of Silicosis among workers exposed to silica in Jodhpur. 49th Annual National Conference of IAPSM and 23rd Joint IAPSM & IPHA Conference, Maharashtra Chapter 2022, 3rd – 5th March 2022
3. Gupta M, Raghav P. Epidemiological Characteristics of COVID-19 in India- A Comparative Analysis of the Two Waves, during IPHACON 2021, JIPMER Puducherry, 23rd – 26th September 2021. (Online)
4. PritishBaskaran T B, Raghav P. Impact of COVID-19 on Healthcare Utilisation and Costs for the Urban Elderly - Findings from a Community-based Trial on Hybrid Model of Care. (Kalu Ram Award), 49th Annual National Conference of IAPSM and 23rd Joint IAPSM & IPHA Conference, Maharashtra Chapter 2022, 3rd – 5th March 2022
5. Gupta M, Raghav P. Usage of Tobacco among jailmates of central jail, Jodhpur. 49th Annual National Conference of IAPSM and 23rd Joint IAPSM & IPHA Conference, Maharashtra Chapter 2022, 3rd – 5th March 2022
6. Mehrara V, Raghav P. Situational Analysis and Roadblocks in Silicosis control in Rajasthan. 49th Annual National Conference of IAPSM and 23rd Joint IAPSM & IPHA Conference, Maharashtra Chapter 2022, 3rd – 5th March 2022
7. Kumar N, Raghav P, Kumar D . EPI immunisation coverage, timeliness and dropout rate amongst the children attending outreach immunisation services of a tertiary care hospital, Jodhpur. 49th Annual

National Conference of IAPSM and 23rd Joint IAPSM & IPHA Conference, Maharashtra Chapter 2022, 3rd – 5th March 2022

8. Singh G, Raghav P, Rustagi N. An ambispective community-based survival study of common cancers in rural Jodhpur, Rajasthan. Received best paper Vijay Narain Award. 49th Annual National Conference of IAPSM and 23rd Joint IAPSM & IPHA Conference, Maharashtra Chapter 2022, 3rd – 5th March 2022
9. Shafi S, Raghav P. Assessment of health profile of school going children of Jodhpur. 49th Annual National Conference of IAPSM and 23rd Joint IAPSM & IPHA Conference, Maharashtra Chapter 2022, 3rd to 5th March 2022

Sessions Chaired:

1. Chaired the e-Oral Presentation Session on "COVID Clinical Characteristics". IPHACON 2021, 23rd September 2021. (Online)
2. Judge for the Dr. S.D. Gaur Best Paper Award on Environmental Health, 65th Annual National Conference of Indian Public Health Association (IPHACON 2021), The Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER), Puducherry and IPHA Pondicherry State Branch, 24th – 26th September 2021.
3. Judge for Dr. P.C. Sen Best Paper Award on Rural Health Practice. the 65th Annual National Conference of Indian Public Health Association (IPHACON 2021), The Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER), Puducherry and IPHA Pondicherry State Branch, 24th – 26th September 2021.
4. Judge for the R.N. Roy Best Paper Award. the 65th Annual National Conference of Indian Public Health Association (IPHACON 2021), The Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER), Puducherry and IPHA Pondicherry State Branch, 24th – 26th September 2021.
5. Chairperson for Plenary Session on Emerging Conditions: Vector Borne Diseases as a part of IPHACON 2021, JIPMER Puducherry, 23rd - 26th September 2021
6. Chairperson in the 9th Annual National Conference of Consortium Against Rabies - CARCON 2021, 28th – 29th January 2022. (Online)

Invited Lectures:

1. Panelist in Panel Discussion on Strategies to control covid 19 in India. IAPSM, 17th April 2021. (Online)
2. Resource person for webinar on design thinking for qualitative research. National Medicos Organisation, 5th May 2021. (Online)
3. Resource person on Public Health and Emerging Threat of Mucormycosis during Webinar on Emergence of Mucormycosis Epidemics amidst COVID-19 Pandemic – A Major Global Threat. Department of Zoology, University College of Science, Mohanlal Sukhadiya University, Udaipur, 25th May 2021. (Online)
4. Expert on Risk Communication and Community Engagement (RCCE) in COVID-19 Pandemic during webinar. National Medicos Organisation, 26th May 2021. (Online)
5. Panelist in Panel Discussion on Public Health in COVID-19. National Medicos Organisation, 26th May 2021 (Online)
6. Resource person for Virtual Consultation on COVID-19 Home Isolation Guidelines for Vulnerable Population. USAID-NISHTHA / Jhpiego and IAPSM. 16th June 2021 (Online)
7. Resource person- National Symposium Family Planning Services. IAPSM, 29th July 2021. (Online)
8. Resource person Highlight of the White Paper duringRelease of Infectious Diseases Beyond COVID-19 White paper. FICCI and Elsevier. 01st Oct 2021 (Online)

9. Expert Interview for News & Views: Malaria Elimination Research Alliance (MERA) India, 14th December 2021. (Online)
10. Expert during the Launch of Home Isolation Guidelines for Vulnerable Populations. USAID-NISHTHA / Jhpiego and IAPSM, 18th February 2022. (Online)
11. Resource person for Webinar on IAPSM Advisory on Menstrual Health & Hygiene Management, 13th March 2022. (Online)
12. Expert group meeting for Maternal and Neonatal Health Exemplar Study on 25th March 2022 – Rajasthan. (Online)
13. Resource Person the Scientific Session. IPHACON 2021, JIPMER Puducherry – 23rd – 26th September 2021. (Online)
14. Resource Person in Plenary Session on Systems approach for assessment of Maternal Deaths in Rajasthan: Feasibility Study in EFICON 2021, AIIMS Jodhpur, 29th – 30th October 2021. (Online)
15. Expert on Occupational Health in Citizens health talk. IAPSM Academia. 2nd November 2021. (Online)
16. Resource Person in Plenary Session on Maternal Death Review. 49th Annual National Conference of IAPSM and 23rd Joint IAPSM & IPHA Conference, Maharashtra Chapter 2022, 3rd – 5th March 2022. (Online)
17. Resource person for Mass Media and Print Media on various topics of Public Health Importance throughout the year. (Online)

Others:

Important assignments/ Achievements/ Resource person

1. Member; Common Review Mission (CRM) team
2. Chairperson; Indian Association of Preventive and Social Medicine(IAPSM) Committee on Menstrual Health and Hygiene Management
3. Chairperson; IAPSM Lifetime and Oration Awards Committee
4. Listed as one of the best female Scientists by ICMR-Malaria Elimination Research Alliance (MERA) India on Women's Equality Day
5. Chief Guest on the Occasion of International Women's Day during women's day celebration for Widows and Family of Silicosis victims in Sirohi district of Rajasthan State
6. Chief Guest for felicitation celebration for mothers in Bramhapuri AdarshVidyamandir Secondary School, Chandpol, Jodhpur
7. Patron for Dr. DeokiNandan Memorial Public Health Quiz 2021 as a part of IPHACON 2021 held at JIPMER Puducherry – 23rd to 26th September Coordinator MINErVA network partner Mortality in India Established through Verbal Autopsies for the state of Rajasthan.
8. Master Trainer on Test, Treat, Talk Anemia under Anemia Mukt Bharat Strategy and its various components
9. Master trainer for training of Medical Officers on Management of Common Emergencies, Burns and Trauma at Primary Care Level for enabling delivery of Comprehensive primary Health Care Services through Ayushman Bharat- Health and wellness Centers in the Country.
10. Subject Expert for Senior Residents and Faculty Recruitment, AIIMS Bhubaneshwar, Bibinagar, AIIMS Raipur, King George's Medical University, Lucknow.
11. Subject Expert for Faculty Recruitment, Rajasthan Public Service Commission (RPSC), Rajasthan
12. Member - Institute Body All India Institute of Medical Sciences (AIIMS) Madurai
13. Member - Advisory Group, Union Public Service Commission (UPSC)

14. Member - WHO Regional Technical Advisory group for Ear and Hearing Care in South East Asia Region
15. Member - ICMR National task Force on the COVID-19: or Sub-Group: Operational Research on Health System
16. Post Graduate Student Dr. Garima Singh received best paper Vijay Narain Award during 49th Annual National Conference of IAPSM and 23rd Joint IAPSM & IPHA Conference, Maharashtra Chapter 2022 from 3rd to 5th March 2022 for paper on "an ambispective community-based survival study of common cancers in rural Jodhpur, Rajasthan" as a part of thesis under my guidance as Post Graduate Teacher
17. Post Graduate Student Dr. Mukund Gupta has received Award of ICMR financial support for MD thesis entitled "Quality of life and health status of inhabitants in and around mines in relation to their socio-economic status and geographic location of mines- A mixed-method approach" I am the Postgraduate Guide for his thesis.

Research Projects:

Chief Investigator:

1. Systems approach for assessment of Maternal deaths in Rajasthan: a Feasibility study" funded by ICMR
2. Evaluation of the effectiveness of the National Health Mission (NHM) policy of mainstreaming and co-locating AYUSH within Primary Health Care- Extramural funded by NHSRC
3. Comparative Assessment of various models of Mobile Medical Unit for provision of service in remote and under-served areas- Extramural funded by NHSRC
4. Community Behavior and its determinants in relation to Malaria prevention and control in Rajasthan funded by ICMR
5. Rapid assessment of continuum of care for diabetes and hypertension in India . Data Quality Check Report - Study site: Rajasthan Health facility data quality checks funded by WHO & ICMR
6. Review of WHO PEN competencies in preservice courses to build an NCD -ready workforce to deliver people centered NCD services funded by WHOCC
7. Assessment of vaccination coverage and incidence of breakthrough infections and reinfections among staff of selected Medical Institutions.
8. Exploring Dietary Diversity among Various Age Groups of Jodhpur District through Qualitative study.
9. Assessment of Quality of Death Certification Practices in Jodhpur District and Testing Quality Improvement Solutions.

Co- Investigator:

1. Evaluating and strengthening pre-hospital trauma care systems for mitigating burden of road traffic accidents in Jodhpur. Rajasthan- Extramural funded by ICMR.
2. Integrated Community Based Palliative Home Care of Chronic Debilitated Patients – A novice approach in Jodhpur funded by ICMR.
3. COACH (community oriented action and caring hands) approach for promoting end of life care in Jodhpur, Rajasthan through participatory research methodology funded by ICMR.

Examinership

1. MD/MS Final Examination April/May 2021, AIIMS, Bhubaneshwar, 28th -29th April 2021 (Online Mode)
2. MD/MS (July 2019 batch) Examination at AIIMS, Bhopal 22nd -23rd Dec 2021

Member of various National and International Professional bodies:

1. Vice President (West); Indian Public Health Association (IPHA)
2. Founder Member and Secretary General; Indian Public Health Association Rajasthan Chapter (IPHA, Raj)
3. Founder Member and Secretary General; Indian Association for Adolescent Health, Rajasthan (IAAH, Raj)
4. Founder Member and Vice President of National Medicos Association; Jodhpur (NMO, Jodhpur)
5. Life Fellowship; Royal Society of Medicine
6. Life Fellow; Association of Industrial Psychiatry
7. Life Member; Indian Association Preventive & Social Medicine (IAPSM)
8. Life Member; National Academy of Medical Sciences(NAMS)
9. Life Member; Indian Medical Association(IMA)
10. Life Member; Breast Feeding Promotion Network(BPNI)
11. Life Member; Consortium Against Rabies
12. Life Member; World NCD Federation
13. Member; National Teachers Training Centre (NTTC), JIPMER, Puducherry
14. Member; International Epidemiological Association (IEA)
15. Member; International Chapter of Occupational Health(ICOH)
16. Member; Indian Association of Occupational Health(IAOH)
17. Member; American Thoracic Society (ATS)
18. Member; International Society of Travel Medicine (ISTM)
19. Editorial board member and reviewer; National and International Journals
20. Faculty; Public Health
21. Fellow; The Royal Society of Medicine

Participated in National/ International Conferences:

1. 33rd International Virtual congress on Occupational Health. 6th -11th February 2022. (Online)
2. 49th Annual National Conference of IAPSM and 23rd Joint IAPSM & IPHA Conference, Maharashtra Chapter 2022. 3rd – 5th March 2022
3. Workshop on Fundamentals of Agreement Analysis during 49th Annual National Conference of IAPSM and 23rd Joint IAPSM & IPHA Conference, Maharashtra Chapter 2022. 3rd – 5th March 2022
4. 9th Annual National Conference of Consortium Against Rabies - CARCON 2021 28th – 29th January 2022. (Online)

Others:

Academic activities organized

1. Organizing Chairperson, 2nd Annual National Conference of Epidemiology Foundation of India (EFICON) 2021, 29th- 30th October 2021
2. Plenary Session on Systems approach for assessment of Maternal Deaths in Rajasthan: Feasibility Study in EFICON 2021 at AIIMS Jodhpur, 29th & 30th October 2021
3. Organized training for Medical Officers, ASHAs & ANMs on Maternal Death Review for Jodhpur and Udaipur District in 2021-2022

4. Plenary Session on Maternal Death Review in 49th Annual National Conference of IAPSM and 23rd Joint IAPSM & IPHA Conference, Maharashtra Chapter 2022 from 3rd to 5th March 2022
5. Workshop on Qualitative Research -Methods & data collection -tools and techniques and Mixed Methods Research – resource person Dr. Madhumita Dobe, Former Dean,Director-Professor and Head of the Department of Health Promotion and Education, All India Institute of Hygiene and Public Health (IIH&PH) Kolkata on 11th and 12th March 2022
6. Guest lecture by Dr. Indranil Saha Scientist E (Medical). ICMR-Centre for Ageing & Mental Health. Division of Non-Communicable Diseases. Indian Council of Medical Research. Ministry of Health & Family Welfare. GOI. Kolkata. on The Art of Writing Research Paper on 12th March 2022
7. Guest lecture by Dr.Jugal Kishor Director Professor & Head of Community Medicine Vardhman Mahavir Medical College and Safdarjung Hospital, New Delhi on Emerging and Established Career pathways in Community Medicine on 12th March 2022
8. Training for investigators and research staffon data collection and challenges in Multicentric ICMR funded research project on Community Behavior and its determinants in relation to Malaria prevention and control in Rajasthan on 22nd & 23rd March 2022
9. Virtual Consultation Meet on Maternal Death Surveillance and Review in India, as a part of ICMR funded task force project on 28th& 29th March 2022

Additional Trainings:

1. Multivariate Data Analysis (MDA 2021), during 1st -5th June 2021 at Indian Institute of Technology Kharagpur
2. Training on Econometrics Analysis of Time Series Modelling by IIT Kharagpur 18th -21st Aug 2021
3. Completed MBA in Hospital and Health Systems Management -Work Integrated Learning Programmefrom Birla Institute of Technology and Science, Pilani in December 2021
4. Course on Occupational and Environmental Health for Health Professionals from 2nd -4th February, 2022 organised by Department of Epidemiology, NIHFW

Name of Faculty : Dr. Pankaj Bhardwaj
Designation : Additional Professor

Books/Chapters

1. Joshi N, Goel AD, Bhardwaj P. Containment strategies to prevent spread in different societies and cultures. In [The Coronavirus Pandemic and the Future: Virology, Epidemiology, Translational Toxicology and Therapeutics]. Editors: Michael D Waters, Alok Dhawan, Tim Marrs, Diana Anderson, Stafford Warren, Claude L Hughes. Royal Society of Chemistry [18 August 2021] .Print ISBN: 978-1-83916-306-7. ePub eISBN: 978-1-83916-365-4
2. Saurabh S, Gupta M.K., Bhardwaj P. Effective health education, patient education, health behaviour change. In: The Coronavirus Pandemic and the Future: Virology, Epidemiology, Translational Toxicology and Therapeutics, Ed. Michael D Waters, Alok Dhawan, Tim Marrs, Diana Anderson, Stafford Warren, Claude L Hughes. UK, Royal Society of Chemistry 2021.
3. Bhardwaj A, Goel AD. General Epidemiology of Infectious disesaes and its Prevention and Control. In IAPSM's Textbook of Community Medicine, Editor-in-Chief AM Kamdri, 2nd edition, Jaypee 2021 : pp 223-234.

Papers Presented:

1. "Status of musculoskeletal disease among the health care personnel: A systematic review". 48th National Conference of IAPSM, 19th -21st March, 2021, PGI Chandigarh.
2. "Prevalence and types of anemia among geriatric woman in India - A systematic review", 48th National Conference of IAPSM, 19th -21st March, 2021, PGI Chandigarh.
3. "Adherence of Isoniazid preventive therapy among pediatric contacts of microbiologically confirmed Tuberculosis cases: A Review", 48th National Conference of IAPSM , 19th -21st March, 2021, PGI Chandigarh.

Sessions Chaired

1. Chairperson for 'Rapid Fire Oral Presentation' Session. 5th National Conference on Tobacco or Health, 26th September 2021. (Online)
2. Chairperson for e-Oral Presentation 65th IPHACON 2021, Puducherry and JIPMER International School of Public Health (JISPH), Puducherry, 23rd September 2021. (Online)
3. As a chairperson in a session "Rabies Monoclonal antibodies". CME on Rabies prevention, 27th September 2021, Consortium Against Rabies and IAPSM eConnect.
4. As a chair of Peer Assessment team of Kayakalp 2021-22, AIIMS Raipur, 1st November 2021.
5. As a Chairperson during the International virtual conference under the theme ``Pandemic and Perioperative Nursing Practice, 24th -25th March 2022 at AIIMS. Jodhpur. (Online)

Invited Lectures

1. Invited lecture on "COVID-19 Vaccination: Myths and Facts". Hands-on workshop for Staff Nurse on COVID-19 preparedness and Critical Care Management for COVID-19, collaboration with JHPIEGO, 27th -28th April 2022, AIIMS Jodhpur.
2. As a Panelist in "National Workshop on Need of effective Front of Package Label (FOPL)" to reduce the burden of NCD in India under Project "Healthy Food for All", 10th August 2021, Director's Board Room, AIIMS Rishikesh.
3. As an expert for creating a capacity building program to monitor tobacco industry and responding to the industry interference in India, Institute of Public Health Bengaluru, 15th September 2021.
4. As a panelist in a webinar on 'FoPL: Why Health Star Rating Label is not suitable for India' , CUTS, Tuesday 14th September 2021. (Online)
5. As an expert in Expert group meeting for UG Medical Education, 11th October 2021, NMC, New Delhi
6. India-Sweden Healthcare Innovation Centre flag-off of "Nurses Upskilling in NCDs" program, 26th October 2021, AIIMS Jodhpur.
7. As an expert in the NIHR Global Health IP & Assurance workshop for LMIC organizations on 16th November 2021
8. As an expert in USISPF organized 'Healthcare Workers: Protecting the Care Providers', 17th Dec. 2021
9. Invited lecture on "COVID-19 Vaccination: Myths and Facts" at Hands-on workshop for Staff Nurse on COVID-19 preparedness and Critical Care Management for COVID-19 organized in collaboration with JHPIEGO, 27th -28th April 2022, AIIMS Jodhpur,.

Symposium Speaker

1. Expert/ guest speaker in Workshop on "Radio Jan Andolan for COVID-19 Appropriate Behavior" (Course Code: D21-P01), 30th April 2021, Prasar Bharti, National Academy of Multimedia and Broadcasting, New Delhi

2. As an expert in a Meeting under DGHS on 6th April 2021 for discussion on the impact of vaccination the on spread of COVID-19
3. As a speaker in a webinar on “Update information on COVID Prevention, care and vaccination for PLHIV”. 15th May 2021, For HIV positive community members and frontline team in Rajasthan. Organized by NCPI, NACO, John Hopkins and YRG. (Online)
4. Speaker at National Webinar on “Addressing Diabetes Mellitus through Front of Package Labelling in India”, AIIMS Jodhpur, 29th June 2021. (Online)
5. As a speaker on the “Post Covid Protocol Webinar”. Kotak Bank, 23rd July 2021. (Online)
6. “TB in COVID-19 time”. Participated in NITRD-CTD-NTF Difficult to treat TB Clinic, National Institute of Tuberculosis and Respiratory Diseases, 18th August 2021
7. Speaker at a webinar on “Digital Equity for all Ages”. On the Occasion of International Day of Older People 2021 organized at AIIMS Jodhpur on 1st October 2021. (Online)
8. Speaker at a webinar on the "Informed consent" on the occasion of World Bioethics Day 2021, AIIMS Jodhpur on 19th October 2021. (Online)
9. As a speaker during Plenary/invited talk titled, “Using Scopus Review and Economic Analysis for assessment of E-Health Programs”, ISMSCON-2021 from 9th -11th December 2021, RIMS Ranchi
10. As a speaker on the title, “Role of IAPSM in NTEP” during a National CME on “Invest to end TB: Save Lives”, organized by HIMS, SRHU, and Dehradun, 23rd March 2022.
11. As a resource faculty in the virtual Midwifery Congress “MIDCon 2022” on “ ICM Essential Competencies for Midwifery practices: Indian Practices”, College of Nursing, All India Institute of Medical Sciences Jodhpur on 26th -27th April 2022.
12. As a faculty in World Congress on “Adult Immunization”, The Indian Society for Adult Immunization, 23rd -24th April 2022. (Online)

Resource Faculty

1. Meeting of the India Lung Microbiome Study Consortium, Saturday 19th June 2021.
2. Virtual International conference on updates on epidemiology, clinical care and public policy. CETI and IIPH Gandhinagar, 17th July 2021. (Online)
3. The discussion on progress on Current programs along with an action plan for future courses running under E-Learning for Public Health. 7th July 2021, CM & SPGI PGIMER Chandigarh.
4. Geriatric care: Indian - Sweden workshop, 18th October 2021.
5. Post Conference Workshop “Advancing Tobacco Control by Academic Research Institutions in India”, 6th March 2022, 49th Annual National Conference of IAPSM, Nagpur, India
6. “National Deliberation on Front of Package (FOPL) Labelling as an essential policy tool for reducing the burden of Non-Communicable Diseases in India”, 25th February 2022, National Academy of Medical Sciences, Ring Road, New Delhi

Research Project

Ongoing:

As Principal Investigator

1. Epidemiology of Pancreatitis and Major Gastrointestinal Diseases: A multi-center study across India. Funding - An ICMR Task Force Project
2. A Prospective, Multicentre, 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. Funding - Gennova Biopharmaceutical Ltd

3. Prioritizing hypertension control and care by strengthening primary health care. Funding- Global Health Advocacy Incubator, Tobacco-Free Kids follows the United States Government'
4. Mapping the entire bidi trade in the seven largest bidi producing states, and identify gaps in legal and illicit bidi manufacture. Funding- Bloomberg Initiative to Reduce Tobacco Use Grant through The UNION
5. National Clinical Registry COVID-19: 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" Funding - CDSA-THSTI
2. An International Multicenter, Adaptive, Randomized Double-Blind, Placebo-Controlled Trial of the Safety, Tolerability and Efficacy of Anti-Coronavirus Hyperimmune Intravenous Immunoglobulin for the Treatment of Adult Hospitalized Patients at Onset of Clinical Progression of COVID-19: NIH, Sydney ICC, ICMR

Completed:

As Principal Investigator

1. Evaluation and efficacy and Safety of Ayurveda Intervention (Ayush-64) add-on therapy for patients with COVID-19 infection (Stage I) – An open labelled, Parallel Group, randomized controlled clinical trial. Funding- AYUSH, MoH& FW, GOI.
2. Risk factors for SARS-CoV-2 infection among health care workers in India: A Case Control Study". Funding- WHO Unity Study.
3. Introduction of the WHO ICOPE (Integrated Care of Older Persons) model of assessment, care and referral of older persons in a low resource rural-tribal primary care setting in India: WHO ACMERI.
4. "Effectiveness of Covaxin and Covishield vaccines against severe COVID-19 in India, 2021: Multi-centric hospital-based case control study: ICMR
5. 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: Sri Sri Institute for Advanced Research Art of Living International Center Bangalore South, Karnataka

As Co-Investigator

1. WHO Solidarity Trial for COVID-19 ICMR-WHO Implementation in India for the International Randomized Trial of Additional treatment for COVID-19 in Hospitalized patients who are receiving the local standard of care. Funding- WHO ICMR
2. World Heart Federation COVID-19 and Cardiovascular Disease Survey. (WHF), Geneva, Switzerland.
3. Determinants of Mortality due to COVID in India. ICMR

Examinership

1. DNB/NBE Community Medicine at MAMC, New Delhi, 22nd & 23rd Feb 2022
2. Interview Panel for selection of Consultant – Technical and Technical Assistant of NPCB&VI division of MOHFW, 1st -2nd Feb 2022
3. Interview Panel for selection of Senior Consultant– Public Health Administration, NHSRC, MoH&FW, 17th September 2021

4. DNB/NBE Community Medicine at MAMC, New Delhi, 29th -30th July 2021
5. Interview Panel for selection of Consultant– Public Health Administration, NHSRC, MoH&FW, 8th June 2021
6. MBBS Examination. RUHS, Jaipur, 16th -17th April 2021
7. Thesis/ Dissertation Assessor of PhD, Manipal Academy of Higher Education, Manipal
8. Thesis/ Dissertation Assessor of MPH, Department of CM & SPH, PGIMER Chandigarh

Membership/Post in Journal or Society or Association :

1. Chief Editor; Indian Journal of Community Medicine (IJCM) for 2022-2025.
2. State Nodal Person for Rajasthan for verification of claims made by 5 Districts of Rajasthan for evaluation and Certification of Sub-national progress towards 'TB Free' status in India, using district level annual survey, a joint activity of WHO-ICMR-IAPSM-MoH&FW, March 2022
3. GC Member; IAPSM (Elect)
4. Expert Group; Under Graduate Medical Education Board, National Medical Commission (NMC) Delhi
5. Committee for proposal for establishing six SPH in Rajasthan
6. Member; State Operational Research (OR) Committee
7. Fellow; IAPSM (Announced, to be awarded during IAPSM National Conference 2023)
8. Fellow; IMSA
9. Part of CRM team to review the progress of National Health Mission in State of Bihar. Lead the team for review of CRM in Lakhisarai, Bihar, in November 2021

Name of Faculty : Dr. Neeti Rustagi
Designation : Additional Professor

Papers Presented:

1. "A salute to Unsung Heroes : One billion COVID 19 vaccination" in webinar, Indian Association of Epidemiology, 6th November 2021 (Online)

Resource Faculty:

1. Hands on Mentorship for Journal Club competition for budding professionals held as Pre-conference CME, IAPSMCON 2022, GMC Nagpur, 27th February – 2nd March 2022
2. Contributed as Chairperson/ Member selection committee for contractual post Interview at ICMR NIIRNCD
3. Resource person for the capacity building workshop on Multi-sectoral action plan for prevention and control of NCD in state of Odisha
4. Faculty in ATLS Provider course held at MGUMST, Jaipur, 29th – 31st July, 2021
5. Resource person for WHO- MOHFW supported project on Covid-19 and NCD services in the country in collaboration with AIIMS Delhi.
6. Resource person for Global Health and Wellness Initiative by World NCD Federation in collaboration with PGIMER, Chandigarh
7. Resource person for National Dissemination Workshop: Multi-state formative Assessment findings on NCDs", 10th December 2021 (Online)
8. Participated as Jury Member for slogan writing competition for all students and staff of AIIMS Bathinda on observance of World No Tobacco Day, 31st May 2021.

Research Projects:

Ongoing:

As Principal Investigator

1. “COACH (community oriented action and caring hands) approach for promoting end of life care in Jodhpur, Rajasthan through participatory research methodology”: Extramural funding ICMR
2. “Use of mobile health (m-health) applications to train primary health center staff in acute management of burn and injury patients in Jodhpur, Rajasthan: A Community based trial”: Extramural funding ICMR
3. “Evaluating and strengthening pre-hospital trauma care system for mitigating burden of road traffic accidents in Jodhpur, Rajasthan: Community based intervention trial”: Extramural funding ICMR
4. Feasibility study to assess effectiveness of supervised chronic obstructive pulmonary disease (COPD) online rehabilitation in AIIMS Jodhpur, Rajasthan.
5. Treatment compliance among chronic disease patients during ongoing COVID-19 pandemic in urban Jodhpur.

As Co-Investigator

1. Community Behavior and its determinants in relation to Malaria prevention and control in Rajasthan: Extramural funding from ICMR.
2. "Preparing NCD Health Emergency Framework & documenting best practices adopted by the states/UTs for continuing NCD services During COVID – 19 pandemics in India": Extramural funding from WHO –ICMR.

Completed

As Principal Investigator

1. “Evaluating and strengthening pre-hospital trauma care system for mitigating burden of road traffic accidents in Jodhpur, Rajasthan: Community based intervention trial” : Extramural funding by ICMR

As Co-Investigator

1. “Systems approach for assessment of Maternal Deaths in Rajasthan: A feasibility study”: Extramural funding from ICMR.
2. “Comparative Assessment of various models of Mobile Medical Units for provision of service in remote and under-served areas” : Extramural funded by NHSRC.

Examinership

1. External Examiner for Fellowship in Public Health Nutrition Practical Examination, AIIMS Bhubaneswar, 12th Nov 2021.
2. Contributed as an Internal Examiner for 3rd Professional MBBS Examination in the subject of Community Medicine and Family Medicine, AIIMS Jodhpur , December 2021.
3. Contributed as an Examiner for evaluating the MD thesis for AIIMS Delhi

Membership / Post in Journal or Society or Association (April 2021 – March 2022)

1. Reviewer for many accredited peer reviewed journal such as PLOS-One; Frontiers in Public Health, etc.

National / International Conferences attended:

1. Participated in Online Training Program on Integrated Care for Older People (ICOPE), 22nd- 24th November 2021
2. Shaima AJ, Rustagi N, Saurabh S. Prevalence of respiratory morbidities among biomass fuel users and utilization of Pradhan Mantri Ujjwala Yojana in rural Jodhpur, IAPSMCON 2021, PGI Chandigarh. 19th -21st March 2021
3. Shaima AJ, Rustagi N, Saurabh S. Assessment of air pollutant levels between households using biomass fuel and households not using biomass fuel: A cross sectional study. "CAPHER -India Workshop on Air Pollution and Health Effects Research in India". 21st - 23rd October 2021 (Online mode)
4. " Effectiveness of Patient-Centered Mobile Phone-based Intervention on Quality of Life in People with Type 2 Diabetes: A Systematic Review". IAPSMCON 2022, GMC Nagpur, 3rd - 5th March 2022.
5. Gupta T, Thirunavukkarasu P, Rustagi N. Do Clinicians Engage in Communication with Patients on Cost of Care? What Does Literature Say? IAPSMCON 2022, GMC Nagpur, 3rd - 5th March 2022.
6. C Gowda Bindiya, Rustagi N, Thirunavukkarasu P, Srikanth S. Perception of health care providers towards Respectful Maternity Care in public health facilities of Jodhpur at EFICON 2021, AIIMS Jodhpur, 29th - 30th October 2021.

Name of Faculty : Dr. Srikanth Srinivasan
Designation : Associate Professor

Papers Presented:

1. Srikanth S, Latha A, Vanitha P. Perceptions and knowledge gap in palliative care among undergraduate medical students in Puducherry. International Conference of Indian Association of Palliative Care, Jaipur, February 2022
2. Latha A, Srikanth S. Psychosocial suffering in palliative care: a review of two case studies. International Conference of Indian Association of Palliative Care, Jaipur, February 2022

Resource Faculty:

1. On going Cancer Screening Training Program for Medical Officers, Government of Rajasthan, AIIMS, Jodhpur, 2022
2. Comprehensive Geriatric Care for Medical Officers, Government of Rajasthan – since March 2022
3. On going Executive Program in Public Health Policy, AIIMS Jodhpur
4. EFICON 2021 Conference, Department of CMFM, AIIMS Jodhpur October-2021.
5. Resource Person in Research Methodology for AYUSH Doctors at the Tamil Nadu Dr. MGR Medical University, Chennai, Tamil Nadu, December 2021

Research Projects:

Ongoing:

As Principal Investigator:

1. Integrated community based palliative home care of chronic debilitated patients-a novice approach in Jodhpur" – Extramural ICMR Project, since September 2021.

2. 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.

As Co-Investigator:

1. Community behaviour and its determinants in relation to malaria prevention and control in Rajasthan. *Malaria* Elimination Research Alliance (*MERA*) India, Multicentric Study, (CMFM)
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, (CMFM).
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, (Pharmacology).
4. 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, (Surgery).

Projects Completed:

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 centred NCD services.
2. Rapid Assessment of Continuum of Care for diabetes and hypertension in India. WHO sponsored ICMR Project.
3. Hydroxychloroquine prophylaxis for COVID-19 infection among healthcare workers: A proof of concept, observational study. ICMR, Multicentric Study.
4. Chronic comorbidities and COVID19: A cross sectional study to assess the drug utilization pattern and the outcome in COVID patients with chronic complications. Intramural Project.
5. Effect of tele yoga on burnout, mental health and immune markers of health care workers involved in COVID-19 duty: a pilot randomized controlled trial. Intramural Project.
6. Opportunities, strategies, & challenges while using telemedicine for palliative care of cancer patients during COVID-19: A Pilot study. Intramural Project.

Scientific Awards / Patents

1. Best Poster Award. 29th International Conference of Indian Association of Palliative Care, Jaipur, February 2022.

Examinership

1. MD Examination. SP Medical College, Bikaner, Rajasthan, June 2021.
2. MPH Examination. AIIMS Rishikesh, July 2021.
3. Final MBBS Part I Examination. Govt. Medical College, Thoothukudi, Tamil Nadu, September 2021.
4. External Reviewer- MPH Thesis, CMC Vellore. Tamil Nādu, October 2021
5. MD Question Paper Moderator. KIIT University, Bhubaneshwar, Odisha, January 2022.
6. Prefinal Professional MBBS Examination. SP Medical College, Bikaner, Rajasthan, March 2022.
7. MD Thesis Evaluation. SP Medical College, Bikaner, Rajasthan, March 2022.

Membership / Post in Journal or Society or Association

1. Associate Expert; Biostatistics Consortium, India
2. Reviewer; Journal of Palliative Medicine – Palliative Medicine Reports
3. Reviewer; Clinical Epidemiology and Global Health
4. Reviewer; Journal of the Indian Academy of Geriatrics

National / International Conferences attended:

1. 29th International Conference of Indian Association of Palliative Care, Jaipur, February 2022.
2. Induction Course for People-centered NCD Service Delivery, AIIMS New Delhi, December 2021.
3. Stochastic Process: Theory & Applications in Medical Sciences, GIAN, Maharashi Dayanand University, Rohtak, March 2022.

Name of Faculty : Dr. Manoj Kumar Gupta
Designation : Associate Professor

Books/Chapters

1. Saurabh S, Gupta M.K., Bhardwaj P. Effective health education, patient education, health behaviour change. In: The Coronavirus Pandemic and the Future: Virology, Epidemiology, Translational Toxicology and Therapeutics, Ed. Michael D Waters, Alok Dhawan, Tim Marrs, Diana Anderson, Stafford Warren, Claude L Hughes. UK, Royal Society of Chemistry 2021.
2. Raghav P, Gupta MK. Occupational Health. In IAPSM's Textbook of Community Medicine, Editor-in-Chief AM Kadri, 2nd edition, Jaypee2021: pp 223-234.

Papers Presented:

1. Dr. Sridevi. G, Dr. Manoj Kumar Gupta, Dr. Pankaj Bhardwaj, Dr. Srikanth S, Dr. Akhil Dhanesh Goel, Dr. Vidhi Jain, Dr.Vinoth Kumar R. Water, sanitation and infection control practices in health care facilities of rural Jodhpur. 49th Annual National Conference of IAPSM and 23rd Joint IAPSM & IPHA Conference, Maharashtra Chapter 2022, 3rd to 5th March 2022, Government Medical College, Nagpur.
2. Dr. Nainsi Gupta, Dr. Manoj Kumar Gupta, Dr. Pankaj Bhardwaj, Dr. Akhil Dhanesh Goel, Dr. Nitin Joshi, Dr. M.K. Grag. Facilitators and barriers in implementation of telemedicine guidelines and level of patient satisfaction during covid-19 pandemic at a tertiary care hospital in jodhpur. 2nd Annual National Conference of Epidemiology Foundation of India, 29th to 30th October 2021, AIIMS Jodhpur **(first Prize)**
3. Dr. Diksha Mahajan, Dr. Manoj Kumar Gupta, Dr. Pankaj Bhardwaj, Dr. Srikanth S, Dr. Akhil Dhanesh Goel, Dr. Nitin Joshi, Dr. Nitesh Gonade, Dr. Suresh Sharma, Dr. M.K. Grag. Work-related Musculoskeletal Disorders Among Health Care Workers in A Tertiary Care Hospital and Its Attached Rural and Urban Health Training Centers. 2nd Annual National Conference of Epidemiology Foundation of India, 29th to 30th October 2021, AIIMS Jodhpur
4. Dr. Uplabdhi Sahu, Dr. Bharat Choudhary, Dr. Manoj Kumar Gupta, Dr. Pankaj Bhardwaj. Challenges faced by Caregivers Visiting Pediatric Emergency at Tertiary Care Hospital in Western Rajasthan during COVID-19 pandemic. 2nd Annual National Conference of Epidemiology Foundation of India, 29th to 30th October 2021, AIIMS Jodhpur

5. Dr. Neha Mantri, Dr. Manoj Kumar Gupta, Pankaj Bhardwaj, Dr. Akhil Dhanesh Goel, Dr. Suman Saurabh, Dr. Sanjeev Misra. Trend of COVID-19 pandemic in India during First wave: A methodical comparison with Italy, UK and US. 2nd Annual National Conference of Epidemiology Foundation of India, 29th to 30th October 2021, AIIMS Jodhpur
6. Dr. Neha Mantri, Dr. Manoj Kumar Gupta, Pankaj Bhardwaj, Dr. Akhil Dhanesh Goel, Dr. Suman Saurabh, Dr. Sanjeev Misra. Testing guidelines and strategies by ICMR: a roadmap to handle COVID-19 pandemic in India. 2nd Annual National Conference of Epidemiology Foundation of India, 29th to 30th October 2021, AIIMS Jodhpur.
7. Dr. Ishani Chadha, Dr Sejal Rathore, Dr Manoj Kumar Gupta, Dr Nitin Joshi, Dr Pankaj Bhardwaj, Dr Akhil Dhanesh Goel. Key stakeholders in COVID-19 vaccination drive: A commentary. 2nd Annual National Conference of Epidemiology Foundation of India, 29th to 30th October,2021, AIIMS Jodhpur.
8. Dr Mamta Patel, Dr Manoj Kumar Gupta, Dr Akhil Dhanesh Goel, Dr Nitin Joshi, Dr Pankaj Bhardwaj. Dr Deepti Mathur, Dr Rashmi Kaushal. Factors affecting Infant Mortality Rate (IMR) in India: A situational analysis. 2nd Annual National Conference of Epidemiology Foundation of India, 29th to 30th October 2021, AIIMS Jodhpur.
9. Dr Swati Suman, Dr. Ishani Chadha, Dr. Kajal Taluja, Dr. Manoj Kumar Gupta, Dr Akhil Dhanesh Goel, Dr Pankaj Bhardwaj. Root Cause Analysis of Health Inequities in India. 2nd Annual National Conference of Epidemiology Foundation of India, 29th to 30th October 2021, AIIMS Jodhpur
10. Dr. Tanvi Kaur Ahuja, Dr. Annu Choudhary, Dr Manoj Kumar Gupta, Dr Nitin Joshi, Dr Pankaj Bhardwaj, Dr Akhil Dhanesh Goel. Gender Differences in Oral Carcinoma: Textual Synthesis Review. 2nd Annual National Conference of Epidemiology Foundation of India, 29th to 30th October 2021, AIIMS Jodhpur.
11. Dr. Sridevi. G, Dr. Manoj Kumar Gupta, Dr. Akhil Dhanesh Goel, Dr. Pankaj Bhardwaj. Recalibrating the Non-Communicable Diseases risk prediction tools for the rural population of Western India. 2nd Annual National Conference of Epidemiology Foundation of India, 29th to 30th October 2021, AIIMS Jodhpur
12. Dr. Sridevi. G, Dr. Manoj Kumar Gupta, Dr. Pankaj Bhardwaj, Dr. Srikanth S, Dr. Akhil Dhanesh Goel, Dr. Vidhi Jain. Appraisal of Water, sanitation and infection control practices in health care facilities of rural Jodhpur. 65th Annual National Conference of IPHA, 24th to 26th September 2021, Government Medical College, Puducherry.
13. Dr. Suseendar S, Dr. Akhil Dhanesh Goel, Dr. Pritish Bhaskaran, Dr. Sandeep Yadav, Dr. Manoj Kumar Gupta, Dr. Srikanth S, Dr. Suman Saurabh, Dr.Vinoth Kumar R, Dr. Ankit Mittal, Dr. Pankaj Bhardwaj. Challenges and Barriers faced by TB patients and Healthcare Workers providing TB care and Management- A Qualitative study. 49th Annual National Conference of IAPSM and 23rd Joint IAPSM & IPHA Conference, Maharashtra Chapter 2022, 3rd to 5th March 2022, Government Medical College, Nagpur.
14. Dr. Suseendar S, Dr. Pritish Bhaskaran, Dr. Akhil Dhanesh Goel, Dr. Pankaj Bhardwaj, Dr. Manoj Kumar Gupta, Dr. Srikanth S, Dr. Suman Saurabh. Effect of Interventions to Improve the Overall Performance Among the Health Personnels in Various Domains of Tuberculosis Care and Management a Systematic Review. 2nd Annual National Conference of Epidemiology Foundation of India, 29th to 30th October 2021, AIIMS Jodhpur
15. Prasannajeet Bal, Akhil Dhanesh Goel, Nitin Joshi, Yogesh Jain, Manoj Kumar Gupta, Pankaj Bhardwaj. A Study on Challenges Faced by Cancer Patients in Receiving Health Services During Covid -19 Pandemic in A Tertiary Care Hospital in Jodhpur
16. Neelam Sharan, Akhil Dhanesh Goel, Nitin Joshi, Yogesh Jain, Manoj Kumar Gupta, Pankaj Bhardwaj. A study to assess unmet need of family planning services in reproductive age group women in Rajasthan -A mixed method study

17. Yadava S, Bhardwaj P, Goel AD, Gupta MK, Srinivasan S, Saurabh S. Adherence of Isoniazid Preventive Therapy among Pediatric Contacts of Microbiologically Confirmed Pulmonary Tuberculosis Cases: A Review. 49th Annual National Conference of IAPSM and 23rd Joint IAPSM & IPHA Conference, Maharashtra Chapter 2022, 3rd to 5th March 2022, Government Medical College, Nagpur.

Sessions Chaired:

1. Sessions Chaired on "Occupational Health" at 49th Annual National Conference of IAPSM and 23rd Joint IAPSM & IPHA Conference, Maharashtra Chapter 2022. 3rd – 5th March 2022, Government Medical College, Nagpur (Online)
2. Sessions Chaired on "COVID-19" at 2nd Annual National Conference of Epidemiology Foundation of India (EFICON 2021), 29th – 30th October 2021, AIIMS Jodhpur

Resource Faculty:

1. Resource faculty for conference on "Redifine Indian Healthcare-Virtual National Conference 2021". 10th – 24th October 2021. (Online)
2. Resource faculty for MDP on "Healthcare Market and Health Policies in India", 28th August 2021, Amrita Vishwa Vidyapeetham, Bangalore
3. Resource faculty for CBRNE course organized by IGNOU in 2021-2022
4. Resource person for Training of Trainer (ToT) on "Screening of Common Cancers for the Medical Officers", AIIMS Jodhpur, 2021-22
5. Resource person for Training of Medical Officers. "National Program for Healthcare of Elderly".AIIMS Jodhpur, 21st - 23rd March 2022
6. Resource person for the plenary session on "Prevention and Management of Iron Deficiency Anaemia: Issues and Challenges at grass root level" Clinician's Training Workshop on Blood Safety starts with Patient Blood Management. 28th March 2022

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. Systems Approach for Assessment of Maternal Deaths in Rajasthan: A Feasibility Study Funded From ICMR.
2. Prioritizing hypertension control and care by strengthening primary health care.
3. Ganga Godavari- Marudhara Screening Program for Women
4. Mapping the entire bidi trade in the seven largest bidi producing states, and identifying gaps in legal and illicit bidi manufacture
5. A phase III, randomized, multi-centre, double blind, placebo controlled, study to evaluate efficacy, safety and immunogenicity of Novel Corona Virus -2019-nCov vaccine candidate of M/s Cadila Healthcare Limited
6. A Prospective, Multicentre, 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: Gennova Biopharmaceutical Ltd
7. Integrated Community Based Palliative Home Care of Chronic Debilitated Patients – A novice approach in Jodhpur

8. COVID-19 National Clinical Registry India
9. 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

Projects Completed:

As Co-Investigator

1. Systems Approach for Assessment of Maternal Deaths in Rajasthan: A Feasibility Study
2. A phase III, randomized, multi-centre, double blind, placebo controlled, study to evaluate efficacy, safety and immunogenicity of Novel Corona Virus -2019-nCov vaccine candidate of M/s Cadila Healthcare Limited
3. Adverse Events Following COVID-19 Immunization among health care workers
4. Awareness and attitude of healthcare workers about COVID-19 vaccination in Western India: An Institution based survey
5. Risk factors for SARS COV-2 infection among healthcare workers in India: A case control study (WHO Unity study)
6. Integrated Community Based Palliative Home Care of Chronic Debilitated Patients – A novice approach in Jodhpur
7. COVID-19 National Clinical Registry India
8. Evaluation and efficacy and Safety of Ayurveda Intervention (Ayush-64) add-on therapy for patients with COVID-19 infection (Stage I) – An open labelled, Parallel Group, randomized controlled clinical trial: AYUSH
9. Effectiveness of Mask in preventing COVID19 infection and its transmissibility: Feasibility and Challenges
10. Artificial Intelligence to predict COVID-19 through mobile App in Jodhpur
11. A Combined model study to investigate the challenges faced by Frontline health managers at district level in this time of Pandemic of COVID-19: Multicentric approach
12. Contact Tracing for COVID-19 cases in Jodhpur district
13. Home vs Facility based isolation & quarantine in Jodhpur during COVID-19 pandemic: An exploratory study
14. Clinical Outcomes of COVID-19 Patients with high Quantiferon-TB GOLD (IGRA) levels.
15. Viral Ribonucleic Acid Shedding and Transmission Potential of Asymptomatic and Paucisymptomatic Coronavirus Disease 2019 Patients
16. Status of Sero-positivity among asymptomatic front-line workers during the lockdown period due to COVID-19 pandemic in Jodhpur
17. Study of perception and attitude of family members of health workers engaged in management of COVID-19
18. Cancer screening by visual inspection by Acetic Acid: Training for Medical Officers in Rajasthan
19. 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: Sri Sri Institute for Advanced Research Art of Living International Center Bangalore South, Karnataka

Examinership

1. Conducted Practical Examination of III Professional MBBS Part-I in the subject Community Medicine at SN Medical College, Jodhpur, 2nd -4th March 2022

2. Conducted Practical Examination of III Professional MBBS Part-I (Supplementary) in the subject Community Medicine at SN Medical College, Jodhpur, 13th August 2021

Membership/Post in Journal or Society or Association:

1. Associate Editor; Indian Journal of Community Medicine

National/ International Conferences attended:

1. 49th Annual National Conference of IAPSM and 23rd Joint IAPSM & IPHA Conference, Maharashtra Chapter 2022, 3rd -5th March 2022 at Government Medical College, Nagpur.
2. 2nd Annual National Conference of Epidemiology Foundation of India from 29th -30th October 2021, AIIMS Jodhpur
3. 65th Annual National Conference of IPHA. 24th -26th September 2021, Government Medical College, Puducherry.

Name of Faculty : Dr. Naveen KH
Designation : Associate Professor

Papers Presented:

1. Naveen K H, Rajshekar T, Raghav P, Aneja J, Gupta MK, Sharma PP, Goel AD, Srikant S, Prasanna T. Prevalence and predictors of internet addiction among college students in Jodhpur city, India. Oral presentation at World Congress of Epidemiology 2021, International Epidemiological Association at Melbourne Australia, 3rd -6th September 2021 (Online)
2. Baskaran P, Raghav P, Naveen K H. "Impact of Covid19 on Health Care Utilization and costs for the Urban Elderly- Findings from a Community Based Trial on Hybrid Model of care". Oral presentation by Dr Pritish Baskaran (PG student) at 49th Annual National conference of IAPSM and 23rd Joint IAPSM and IPHA conference, Maharashtra Chapter, Govt Medical College Nagpur, 3rd -5th March 2022. (Online)
3. Nishant S, Naveen K H, Bhardwaj P, Prasanna T, Sourabh S. "Complementary and alternative medicine (CAM) usage and adherence among type 2 diabetes mellitus patients in an urban area of Jodhpur: A cross-sectional study." Oral presentation by Dr Nishant Soni (MPH Student) during 2nd Annual National Conference of Epidemiology Foundation of India – EFICON 2021, 29th -30th October 2021, AIIMS, Jodhpur (Received best presentation award)
4. Gupta MK, Raghav P, Bhardwaj P, Rustagi N, Naveen KH, Goel AD, Thirunavukkarasu P, Sharma PP. Prediction of diabetes and hypertension by opportunistic screening: A facility based study from rural Jodhpur. World Congress of Epidemiology 2021 organized by International Epidemiological Association at Melbourne Australia, 3rd -6th September 2021 (Online)

Sessions Chaired:

1. Chairperson for Oral paper presentation session on the " Maternal and Child Health" during 2nd Annual National Conference of Epidemiology Foundation of India – EFICON 2021, 29th - 30th October 2021, AIIMS, Jodhpur
2. Chairperson of Souvenir committee during 2nd Annual National Conference of Epidemiology Foundation of India – EFICON 2021, 29th-30th October 2021, AIIMS, Jodhpur
3. Organized inauguration of Yoga Module for MBBS and Nursing students on 22nd March 2022 and proposed vote of thanks in the event

Resource Faculty:

1. Resource person for Executive Program in Public Health Policy, Leadership and Management
2. Resource person during "Yoga Fest", Nathdwara, Rajsamand district, Rajasthan, 8th - 10th January 2022

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"
2. "Mental health, adherence to medication, and personality among diabetes and hypertension patients attending health centers of Department of Community Medicine and Family Medicine: A cross sectional study"

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.
3. 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)
4. Exploring adherence to Yoga and physical activity among health care personnel: A mixed method study.
5. 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. ICMR Extramural project

Completed:

As Principal Investigator

1. Intramural project on "Effect of tele yoga on burnout, mental health and immune markers of Health Care Workers involved in COVID-19 duty: a pilot randomized controlled trial"

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)

Scientific Awards/Patents

1. Received conference bursary award for World congress of Epidemiology (WCE-2021), International Epidemiological Association, Melbourne Australia, 3rd – 6th September 2021 (Online)

National/ International Conferences attended:

1. World Congress of Epidemiology 2021 organized by International Epidemiological Association, Melbourne Australia, 3rd -6th September 2021 (Online)

Name of Faculty : Dr. Prem Prakash Sharma
Designation : Associate Professor

Research Projects:

As Co-Investigator (Ongoing):

1. Nutritional status and morbidities among geriatric women attending out patient department of rural health centers in Jodhpur.
2. Epidemic preparedness of primary and secondary level Government health care facilities and impact of COVID-19 on routine health care services in Jodhpur-A mixed method approach.
3. Empowering Scheduled Castes through Guided Meditation.
4. Validation of calculated LDL Cholesterol by newer Martin Hopkins and Sampson formula with direct assay in western Rajasthan population: A retrospective cross sectional study with a prospective arm.
5. Predictive value of progression of various stages of depression to suicide by epigenetic modification of FKBP 5 gene.
6. Feasibility, Safety and efficacy of CO2 insufflation assisted peritonectomy as compared to conventional stripping in patients undergoing cytoreductive surgery for carcinoma ovary: A randomized control trial.
7. Quality of life, physical and mental wellbeing with yoga therapy in head and neck cancer patients managed with surgery first as a curative intent treatment: A randomized controlled trial.

As Co-Investigator (Completed):

1. Detection of nerve fibers in the eutopic endometrium of women with endometriosis, uterine fibroids and adenomyosis.
2. Performance of Pediatric Index of Mortality in a Tertiary Care PICU in India.
3. Diagnostic accuracy and adequacy of rapid on-site evaluation performed by a pulmonologist on trans bronchial needle aspiration specimens (DREPA): a prospective study

Others:

Academic activities organized:

1. Organized Online Interactive CME on “National Statistics Day 29th June 2021”. The Lectures on advanced Biostatistics were organized.
2. Chairperson for Pre-Conference Workshops, Second Annual National Conference of Epidemiology Foundation of India, EFICON 2021. 26th -28th October 2021 Virtual. AIIMS, Jodhpur

Symposium Speaker:

1. National workshop on “Research Methodology”. Central Ayurveda Research Institute, Bhubaneswar, Orissa, Ministry of Ayush, Govt. of India, 25th and 26th March 2022.

Papers Presented:

1. Naveen K H, Rajshekar T, Raghav P, Aneja J, Gupta MK, Sharma PP, Goel AD, Srikant S, Prasanna T. Prevalence and predictors of internet addiction among college students in Jodhpur city, India. Oral presentation at World Congress of Epidemiology 2021, International Epidemiological Association at Melbourne Australia, 3rd – 6th September 2021 (Online).

Resource Faculty/Invited Lectures:

1. **R**esource faculty for teaching Biostatistics to Postgraduate MD &Ph.D. (Ayurveda) students at Ayurved University, Jodhpur and teaching Biostatistics to MSc (Nursing) students, College of Nursing.
2. Resource faculty for Research methodology workshop on many topics on Biostatistics for MSc Nursing students at Nursing College, AIIMS, 17th -19th February 2022.
3. Participated as Member of Research Advisory Committee of Multidisciplinary Research Unit (MRU), SN Medical College, Jodhpur, 2nd Feb 2022.

Membership/Post in Journal or Society or Association:

1. Reviewer for the articles for publications in Indian Journal of Medical Research (ICMR).

Membership during the period.

1. Life membership; Indian Society for probability and Statistics (ISPS)

Workshop/Training attended:

1. Workshop on "Analytical Techniques for Statistical Analysis in Mental Health", 15th -23rd July 2021, Sponsored by DST-SERB under the accelerate-vigyan-karyashala.
2. Attended workshop on Stochastic Process: Theory & Applications in Medical Sciences, GIAN, Maharashi Dayanand University, Rohtak, March 2022.

Name of Faculty : Dr. Akhil Dhanesh Goel
Designation : Associate Professor

Books/Chapters

1. Joshi N, Goel AD, Bhardwaj P. Containment strategies to prevent spread in different societies and cultures. In [The Coronavirus Pandemic and the Future: Virology, Epidemiology, Translational Toxicology and Therapeutics]. Editors: Michael D Waters, Alok Dhawan, Tim Marrs, Diana Anderson, Stafford Warren, Claude L Hughes. Royal Society of Chemistry [18 August 2021] .Print ISBN: 978-1-83916-306-7. ePub eISBN: 978-1-83916-365-4
2. 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 Kadri, 2nd edition, Jaypee2021: pp 223-234.
3. Kaur R, Goel AD. Child Health. In IAPSM's Textbook of Community Medicine, Editor-in-Chief AM Kadri, 2nd edition, Jaypee 2021: pp 617-638.

Papers Presented:

1. Dr. Sridevi. G, Dr. Manoj Kumar Gupta, Dr. Pankaj Bhardwaj, Dr. Srikanth S, Dr. Akhil Dhanesh Goel, Dr. Vidhi Jain, Dr.Vinoth Kumar R. Water, sanitation and infection control practices in health care facilities of rural Jodhpur. 49th Annual National Conference of IAPSM and 23rd Joint IAPSM & IPHA Conference, Maharashtra Chapter 2022, 3rd - 5th March 2022 at Government Medical College, Nagpur.

2. Dr. Nainsi Gupta, Dr. Manoj Kumar Gupta, Dr. Pankaj Bhardwaj, Dr. Akhil Dhanesh Goel, Dr. Nitin Joshi, Dr. M.K. Garg. Facilitators and barriers in implementation of telemedicine guidelines and level of patient satisfaction during covid-19 pandemic at a tertiary care hospital in Jodhpur. 2nd Annual National Conference of Epidemiology Foundation of India, 29th - 30th October 2021, AIIMS Jodhpur **(First Prize)**
3. Dr. Diksha Mahajan, Dr. Manoj Kumar Gupta, Dr. Pankaj Bhardwaj, Dr. Srikanth S, Dr. Akhil Dhanesh Goel, Dr. Nitin Joshi, Dr. Nitesh Gonade, Dr. Suresh Sharma, Dr. M.K. Garg. Work-related Musculoskeletal Disorders among Health Care Workers in A Tertiary Care Hospital and Its Attached Rural and Urban Health Training Centers. 2nd Annual National Conference of Epidemiology Foundation of India, 29th - 30th October 2021, AIIMS Jodhpur
4. Dr. Neha Mantri, Dr. Manoj Kumar Gupta, Pankaj Bhardwaj, Dr. Akhil Dhanesh Goel, Dr. Suman Saurabh, Dr. Sanjeev Misra. Trend of COVID-19 pandemic in India during First wave: A methodical comparison with Italy, UK and US. 2nd Annual National Conference of Epidemiology Foundation of India, 29th - 30th October 2021, AIIMS Jodhpur
5. Dr. Neha Mantri, Dr. Manoj Kumar Gupta, Pankaj Bhardwaj, Dr. Akhil Dhanesh Goel, Dr. Suman Saurabh, Dr. Sanjeev Misra. Testing guidelines and strategies by ICMR: a roadmap to handle COVID-19 pandemic in India. 2nd Annual National Conference of Epidemiology Foundation of India, 29th - 30th October 2021, AIIMS Jodhpur.
6. Dr. Ishani Chadha, Dr Sejal Rathore, Dr Manoj Kumar Gupta, Dr Nitin Joshi, Dr Pankaj Bhardwaj, Dr Akhil Dhanesh Goel. Key stakeholders in COVID-19 vaccination drive: A commentary. 2nd Annual National Conference of Epidemiology Foundation of India, 29th - 30th October 2021, AIIMS Jodhpur.
7. Dr Mamta Patel, Dr Manoj Kumar Gupta, Dr Akhil Dhanesh Goel, Dr Nitin Joshi, Dr Pankaj Bhardwaj. Dr Deepti Mathur, Dr Rashmi Kaushal. Factors affecting Infant Mortality Rate (IMR) in India: A situational analysis. 2nd Annual National Conference of Epidemiology Foundation of India, 29th - 30th October 2021, AIIMS Jodhpur.
8. Dr Swati Suman, Dr. Ishani Chadha, Dr. Kajal Taluja, Dr. Manoj Kumar Gupta, Dr Akhil Dhanesh Goel, Dr Pankaj Bhardwaj. Root Cause Analysis of Health Inequities in India. 2nd Annual National Conference of Epidemiology Foundation of India, 29th - 30th October 2021, AIIMS Jodhpur
9. Dr. Tanvi Kaur Ahuja, Dr. Annu Choudhary, Dr Manoj Kumar Gupta, Dr Nitin Joshi, Dr Pankaj Bhardwaj, Dr Akhil Dhanesh Goel. Gender Differences in Oral Carcinoma: Textual Synthesis Review. 2nd Annual National Conference of Epidemiology Foundation of India from 29th - 30th October 2021, AIIMS Jodhpur.
10. Dr. Sridevi. G, Dr. Manoj Kumar Gupta, Dr. Akhil Dhanesh Goel, Dr. Pankaj Bhardwaj. Recalibrating the Non-Communicable Diseases risk prediction tools for the rural population of Western India. 2nd Annual National Conference of Epidemiology Foundation of India, 29th - 30th October 2021, AIIMS Jodhpur
11. Dr. Sridevi. G, Dr. Manoj Kumar Gupta, Dr. Pankaj Bhardwaj, Dr. Srikanth S, Dr. Akhil Dhanesh Goel, Dr. Vidhi Jain. Appraisal of Water, sanitation and infection control practices in health care facilities of rural Jodhpur. 65th Annual National Conference of IPHA, 24th - 26th September 2021, Government Medical College, Puducherry.
12. Dr. Suseendar S, Dr. Akhil Dhanesh Goel, Dr. Pritish Bhaskaran, Dr. Sandeep Yadav, Dr. Manoj Kumar Gupta, Dr. Srikanth S, Dr. Suman Saurabh, Dr.Vinoth Kumar R, Dr. Ankit Mittal, Dr. Pankaj Bhardwaj. Challenges and Barriers faced by TB patients and Healthcare Workers providing TB care and Management- A Qualitative study. 49th Annual National Conference of IAPSM and 23rd Joint IAPSM & IPHA Conference, Maharashtra Chapter 2022, 3rd - 5th March 2022 , Government Medical College, Nagpur.

13. Dr. Suseendar S, Dr. Pritish Bhaskaran, Dr. Akhil Dhanesh Goel, Dr. Pankaj Bhardwaj, Dr. Manoj Kumar Gupta, Dr. Srikanth S, Dr. Suman Saurabh. Effect of Interventions to Improve the Overall Performance among the Health Personnals in Various Domains of Tuberculosis Care and Management a Systematic Review. 2nd Annual National Conference of Epidemiology Foundation of India, 29th -30th October 2021, AIIMS Jodhpur
14. Prasannajeet Bal, Akhil Dhanesh Goel, Nitin Joshi, Yogesh Jain, Manoj Kumar Gupta, Pankaj Bhardwaj. A Study on Challenges Faced by Cancer Patients in Receiving Health Services During Covid -19 Pandemic in A Tertiary Care Hospital in Jodhpur
15. Neelam Sharan, Akhil Dhanesh Goel, Nitin Joshi, Yogesh Jain, Manoj Kumar Gupta, Pankaj Bhardwaj. A study to assess unmet need of family planning services in reproductive age group women in Rajasthan -A mixed method study
16. Yadava S, Bhardwaj P, Goel AD, Gupta MK, Srinivasan S, Saurabh S. Adherence of Isoniazid Preventive Therapy among Pediatric Contacts of Microbiologically Confirmed Pulmonary Tuberculosis Cases: A Review. 49th Annual National Conference of IAPSM and 23rd Joint IAPSM & IPHA Conference, Maharashtra Chapter 2022, 3rd - 5th March 2022, Government Medical College, Nagpur.

Sessions Chaired:

1. Sessions Chaired on "COVID-19" at 2nd Annual National Conference of Epidemiology Foundation of India (EFICON 2021), 29th -30th October 2021, AIIMS Jodhpur

Invited Lectures

1. Resource faculty for CBRNE course organized by IGNOU, 2021-2022
2. Resource person for Training of Trainer (ToT) on "Screening of Common Cancers for the Medical Officers", organized at AIIMS Jodhpur, 2021-22
3. Resource person for Training of Medical Officers on "National Program for Healthcare of Elderly", organized at AIIMS Jodhpur, 21st - 23rd March 2022

Resource Faculty:

1. Resource person for the plenary session at Clinician's Training Workshop on Blood Safety starts with Patient Blood Management. 28th March, 2022
2. Facilitated the onsite "Training on Critical care and Oxygen Management", AIIMS Jodhpur, 27th -28th April 2022.
3. Resource faculty for Research Methodology course for PG nursing students AIIMS-Jodhpur, 17th -19th February 2022.
4. Resource Person for Sensitization Program for Suicide Prevention at Barmer, by AIIMS Jodhpur under "Anmol Jeevan Abhiyan", 14th February 2022.
5. Resource Chairperson in Oral /Paper Presentation during the 49th Annual National Conference of IAPSM and 23rd Joint IAPSM & IPHA Conference, Maharashtra Chapter 2022.

Research Project:

Ongoing:

As Principal Investigator

1. Deployment of a novel last-mile cold chain system: Emvolio, for routine and COVID-19 vaccines. Extramural funding

As Co-Investigator

1. A phase III, randomized, multi-centre, double blind, placebo controlled, study to evaluate efficacy, safety and immunogenicity of Novel Corona Virus -2019- nCov vaccine candidate of M/s Cadila Healthcare Limited
2. COVID-19 National Clinical Registry India
3. Mapping the entire bidi trade in the seven largest bidi producing states and identify the gaps in legal and illicit bidi manufacture
4. 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
5. Prioritizing hypertension control and care by strengthening primary healthcare
6. Ganga Godavari – Marudhara Screening Program for Women

Projects Completed:

As Principal Investigator

1. Quantiferon-TB GOLD (IGRA) levels and Clinical Outcomes in COVID-19 Patients

As Co-Investigator

1. Risk factors for SARS COV-2 infection among healthcare workers in India: A case control study (WHO Unity study)
2. A Combined model study to investigate the challenges faced by Frontline health managers at district level in this time of Pandemic of COVID-19: Multicentric approach
3. Viral Ribonucleic Acid Shedding and Transmission Potential of Asymptomatic and Paucisymptomatic Coronavirus Disease 2019 Patients
4. Status of Sero-positivity among asymptomatic front-line workers during the lockdown period due to COVID-19 pandemic in Jodhpur
5. Home vs. Facility-based isolation & quarantine in Jodhpur during COVID-19 pandemic: An exploratory study
6. Awareness and attitude of healthcare workers about COVID-19 vaccination in Western India: An Institution-based survey
7. Adverse Events Following COVID-19 Immunization among health care workers
8. Evaluation and efficacy and Safety of Ayurveda Intervention (Ayush-64) add-on therapy for patients with COVID-19 infection (Stage I) – An open labelled, Parallel Group, randomized controlled clinical trial: AYUSH
9. Contact Tracing for COVID-19 cases in Jodhpur district
10. Home vs Facility based isolation & quarantine in Jodhpur during COVID-19 pandemic: An exploratory study
11. 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: Sri Institute for Advanced Research Art of Living International Center Bangalore South, Karnataka

Examinership

1. Examiner for Third prof. M.B.B.S Part-1 (Main) Exam. Mar.-2021, Dr. S.N. Medical College & hospital, Jodhpur.
2. External Examiner to conduct Practical Examination of Third MBBS part1 (Main) Exam February 2022..

National/ International Conferences attended:

1. Attended the National CME on “Invest in End TB: Save Lives” on the occasion of World Tuberculosis Day 2022. Himalayan Institute of Medical Sciences, Swami Rama Himalayan University, Dehradun and State TB Cell, Uttarakhand, 26th March 2022.
2. Participated in 49th Annual National Conference of IAPSM & 23RD Joint IAPSM & IPHA Conference, Maharashtra Chapter 2022, Beyond the Pandemic: Time to Move. 3rd -5th March 2022:
3. Participated in 9th Annual National Conference of Consortium Against Rabies CARCON 2021, AIIMS Gorakhpur.
4. Participated in 2nd Annual national Conference of Epidemiology Foundation of India organized by AIIMS Jodhpur –EFICON 2021.
5. 65th Annual National Conference of IPHA, Government Medical College, Puducherry, 24th – 26th September 2021.

Name of Faculty : Dr. Prasanna T
Designation : Associate Professor

Books/Chapters

1. Prasanna T, Vignesh L. Communities and Community Participation: Central Tenets of Primary Health Care in A Step towards excellence in Community Medicine. Kishore J & Venkatesh U. 1st Edition. New Delhi. Century Publications. May 2021. p43-57

Papers Presented:

1. Gupta T, Thirunavukkarasu P, Rustagi N. Do Clinicians Engage in Communication with Patients on Cost of Care? What Does Literature Say? 49th Annual National Conference of IAPSM and 23rd Joint IAPSM & IPHA Conference, Maharashtra Chapter 2022. 3rd -5th March 2022. Government Medical College, Nagpur. (Online)
2. Aarthi P, Thirunavukkarasu P, Bhardwaj P, Saurabh S. Do patients on treatment for TB in Jodhpur know about NPY Cash Incentive and utilize it as intended? Second Annual National Conference of Epidemiology Foundation of India, EFICON 2021, 26th -28th October 2021. AIIMS, Jodhpur (Best Oral Paper Award at EFICON2021) (Online)
3. Soni. N. Naveen KH, Bhardwaj P, Thirunavukkarasu P, Saurabh S. Complementary and Alternative Medicine (CAM) usage and adherence among type 2 diabetes mellitus patients in an urban area of Jodhpur. Second Annual National Conference of Epidemiology Foundation of India, EFICON 2021 26th -28th October 2021. AIIMS, Jodhpur (Best Oral Paper Award at EFICON2021) (Online)

Sessions Chaired:

1. Oral Paper Session. Second Annual National Conference of Epidemiology Foundation of India. EFICON 2021. 29th -30th October 2021. AIIMS, Jodhpur. (Online)

Resource Faculty:

1. Chairperson, Pre-Conference Workshops, Second Annual National Conference of Epidemiology Foundation of India, EFICON 2021. 26th -28th October 2021. AIIMS, Jodhpur. (Online)

2. National level Journal Club Competition for Young Public Health Professionals. IAPSMCON 2022. 49th Annual National Conference of IAPSM and 23rd Joint IAPSM & IPHA Conference, Maharashtra Chapter 2022. 3rd -5th March 2022. Nagpur. (Online)
3. Resource Person for the WHO-AIIMS Delhi Project on "Preparing NCD Health Emergency Framework & documenting best practices adopted by the states/UTs for continuing NCD services During COVID–19 pandemic in India" and contributed for the Report titled “Assessment of Best Practices adopted by States/UT for continuing NCD Services during COVID-19 Pandemic”

Research Project:

Ongoing:

As Co-Investigator:

1. Community Behavior and its determinants in relation to Malaria prevention and control in Rajasthan. Extramural ICMR Malaria Elimination Research Alliance (MERA) India
2. Effectiveness of Diabetes Registry on Quality of Care and Clinical Outcomes of Diabetes Mellitus patients of Rural and Urban health centers of AIIMS Jodhpur - An interventional operation research. Intramural, AIIMS Jodhpur

Membership / Post in Journal or Society or Association

1. Fellow, India Health Policy & Systems Research Fellowship 2022 conducted by Health Systems Transformation Platform in collaboration with WHO Alliance for Health Policy & Systems Research, Institute of Tropical Medicine, Antwerp, Belgium, The George Institute for Global Health, Nossal Institute of Global Health, University of Melbourne, Institute of Public Health, Bengaluru, Shree Chitra Tirunal Institute of Medical Science & Technology and the India Health Systems Collaborative and supported by the Sir Ratan Tata Trusts, Bill & Melinda Gates Foundation, and Access Health International.

National/ International Conferences attended:

1. Second Annual National Conference of Epidemiology Foundation of India, EFICON 2021. Department of Community Medicine and Family Medicine and School of Public Health, AIIMS Jodhpur. 26th -28th October 2021. (Online)

Name of Faculty : Dr. Suman Saurabh
Designation : Assistant Professor

Papers Presented:

1. Joshi A, Jain H, Saurabh S, Gopalakrishnan M, Bhardwaj P. Competency based approach for enabling medical research among undergraduate medical students in India: a nation-wide online survey. Indian Public Health Association Conference (IPHACON); 24th -26th Sept 2021, JIPMER, Puducherry

2. Harshita K, Suseendar S, Saurabh S, Rustagi N. Effectiveness of Patient-Centered Mobile Phone-based Intervention on Quality of Life in People with Type 2 Diabetes: A Systematic Review. Indian Public Health Association Conference (IAPSMCON); 3rd -5th March 2022, AIIMS and GMC Nagpur, India

Sessions Chaired:

1. Session on Communicable Diseases scientific paper presentation. 2nd EFICON (Epidemiology Foundation of India Conference) 2021, 29th-30th Oct 2021, AIIMS, Jodhpur

Resource Faculty:

1. Research methodology workshop on topic 'How to write references?' for MSc Nursing students at Nursing College, AIIMS 17th February 2022, AIIMS Jodhpur

Research Project:

Ongoing:

As Principal Investigator:

1. Demonstration of integrated approach for surveillance of skin neglected tropical diseases (NTDs) in western Rajasthan, India funded by Royal Society of Tropical Medicine and Hygiene and NIHR (National Institute of Health Research), UK
2. Assessment of active drug safety monitoring (aDSM) and treatment compliance among patients on all oral longer MDR tuberculosis regimen in Jodhpur, India, funded by NTEP (National TB Elimination Programme)

As Co-Investigator:

1. Exploring adherence to yoga and physical activity among health personnel: A mixed methods study
2. A comprehensive end-to-end Artificial Intelligence framework for Screening, Staging and Predicting Pneumoconiosis – Harnessing multimodal feature fusioning
3. Rapid Assessment of Continuum of Care for Diabetes & Hypertension in India, funded by WHO and in collaboration with NCDIR, Bengaluru
4. Community Behavior and its determinants in relation to Malaria prevention and control in Rajasthan funded by Malaria Elimination Research Initiative (MERA, ICMR, India
5. Incorporating Artificial Intelligence Based Systems by One-Health Approach in Strengthening Surveillance Systems against Malaria - A Feasibility Study
6. Review of WHO PEN competencies in preservice courses in health and medical courses to build an NCD-ready workforce to deliver people-centred NCD services funded by WHO and in collaboration with AIIMS, New Delhi
7. Exploring empathy, advocacy, and neglect in the context of neglected tropical diseases: A mixed methods study from India, funded by Association for Medical Education in Europe (AMEE)
8. Clinical Outcomes of COVID-19 Patients associated with Trained immunity as ascertained by QuantiFERON-TB GOLD (IGRA) levels

Completed:

As Principal Investigator:

1. 'Artificial Intelligence powered triaging tool for COVID-19 using cough sounds and symptoms amongst acute respiratory syndrome cases in India' in collaboration with and funded by Wadhwani Artificial Intelligence
2. Risk factors for developing symptomatic COVID-19 as compared to asymptomatic SARS-CoV2 infection in Jodhpur, India
3. Estimation of serial interval of COVID-19 and duration of persistence of SARS-CoV-2 in the upper respiratory tract of infected individuals in Jodhpur, India
4. Dynamics of SARS-CoV-2 transmission among evacuees quarantined at Jaisalmer, India
5. Awareness and attitudes regarding COVID-19 vaccination among undergraduate medical students in India

As Co-Investigator :

1. Effectiveness of Awake Self-proning strategy in COVID-19: An open-labelled randomized controlled trial.
2. Online survey of dermatology practices during COVID-19 pandemic

Scientific Awards / Patents

1. Dr Suman Saurabh was awarded Early Career Research grant by the Royal Society of Tropical Medicine and Hygiene, UK on 'Demonstration of integrated approach for surveillance of skin neglected tropical diseases (NTDs) in western Rajasthan, India'

Examinership

1. External examiners for contributing questions for Masters of Public Health examination. AIIMS Rishikesh.

National / International Conferences attended:

1. Indian Public Health Association Conference (IPHACON). 24th -26th Sept 2021, JIPMER, Puducherry
2. IAPSMCON 2022 (Indian Association of Preventive and Social Medicine Conference). 3rd -5th March 2022 at Nagpur, India, Govt. Medical College and AIIMS Nagpur

Department of Dentistry

S.No.	Name	Designation
1	Dr. Pravin Kumar	Professor & Head
2	Dr. Vinay Kumar Chugh	Additional Professor
3	Dr. Ankita Chugh	Additional Professor
4	Dr. Kirti Chaudhry Dutt	Additional Professor

About the Department :

Department of Dentistry has a running Master of Dental Surgery (MDS) program in the specialties of Conservative Dentistry and Endodontics, Oral and Maxillofacial Surgery and Orthodontics and Dentofacial Orthopaedics with a yearly intake of 2 students in each of the specialty. The department has twenty-two (22) state-of-the-art fully automatic electrically operated dental chairs with all attachments. During the current year twelve (12) more Dental chairs were purchased and were installed. A completely equipped dedicated Simulator lab for the postgraduate training is under construction and will be ready for use in coming academic year. Three-dimensional treatment planning of surgical orthodontic cases is being done with the help of advanced 3D Virtual treatment planning software. New treatment modalities were added to the spectrum of clinical care in endodontics division with introduction of Ceramic Inlays along with Gold Inlays and use of magnification and illumination in regular practice.

The Department has seen approximately 16237 new patients in the out-patient department from 1st April 2021 to 31st March 2022. Approximately 7204 intraoral X- rays and 4850 panoramic radiographs, 1009 root canal treatment (RCTs), 51 Endodontic surgical Procedures, 89 All ceramic crowns, 2202 restorations and 723 oral prophylaxis, 1595 extractions, 643 minor oral surgical procedures, 183 dental implants, 96 new orthodontic patients and 3858 follow up orthodontic patients were seen. 275 major surgical procedures have been performed in the above-mentioned period. Our IPD procedures include major surgical procedures such as trauma, oral submucous fibrosis, oral cancers, TMJ ankylosis, benign pathologies (cyst, tumors and infections), and orthognathic surgeries. Patient specific implants has also been added to the spectrum of surgeries. Mucormycosis cases were actively managed as part of Mucormycosis team of the institute. Temporary rehabilitation for these patients with obturators and removable prosthesis has also been done by the prosthodontic section of the department.

Department is also actively involved in the MMT- PhD collaboration program with IIT Jodhpur with our faculty as Co-Investigators. Many projects in collaboration with IIT Jodhpur are underway and from them two patents have been filed.

Compiled list of Publications of the Department

Papers

Pubmed Indexed:

1. Rathore K, Rao D, Kumar P, Masih U. Evaluation of a specially- designed educational and interventional programme on institutionalized visually impaired children: A prospective interventional study Special Care Dentistry Association and Wiley Periodicals LLC 2021;1-11. 39

2. Pathak K, Kumar P, Chaudhry A, Shekh TM, Gosai P, Patnana K. Comparative analysis of shear bond strength of composites to the sodium ascorbate hydrogel treated bleached enamel surfaces: An invitro analysis. Int J Clin Pediatr Dent. 2021 Nov-Dec;14(6):741-747.
3. Chaudhry K, Rustagi N, Bali R, Khatana S, Kumar S, Kaur A, Kumar P. Efficacy of adjuvant ozone therapy in reducing postsurgical complications following impacted mandibular third-molar surgery: A systematic review and meta-analysis. J Am Dent Oral manifestations of COVID-19 infection: An analytical cross-sectional study. J Maxillofac Oral Surg. 2022 Feb 5:1-10.
4. Chugh A, Kaur A, Gigi PG, Kumar P. Customised bite block for jaw opening excercises following oral submucous fibrosis surgery. Adv Oral Maxillofac Surg 2021;30:100247
5. Chugh A, Jain G, Gaur S, Gigi PG, Kumar P, Singh S. Transformational effect of covid pandemic on postgraduate programme in oral and maxillofacial surgery in India-A trainee perspective. J Maxillofac Oral Surg 2021;4:1-6. PMID: 33967470
6. Patnana AK, Chugh VK, Chugh A, Vanga NRV, Kumar P. Effectiveness of zirconia crowns compared with stainless steel crowns in primary posterior teeth rehabilitation: A systematic review and meta-analysis. J Am Dent Asso 2022;153(2):158-166.e5 PMID: 35086644
7. Aparna G, Kumar S, Kaur A, Chaudhry K, Kumar P, Dutt N, Nag VL, Garg MK. Oral manifestations of Covid -19 infection: an analytical cross-sectional study. J Maxillofac. Oral Surg. (2022) doi.org/10.1007/s12663_021_01679_
8. PG G, Chugh A, Chaudhry K, Kumar P et al. 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 2022 doi: 10.1177/19433875211067007
9. Kumar S, Chugh A, Kaur A, Aparna G, Shrivastva S, 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. Maxillofac. Oral Surg. (2021). https://doi.org/10.1007/s12663-021-01662-6
10. Soni K, Das A, Sharma V, Goyal A, Choudhury B, Chugh A, Kumar D, Yadav T, Jain V, Agarwal A, Garg M, Bhatnagar K, Elhence P, Bhatia PK, Garg MK, Misra S. Surgical & medical management of ROCM (Rhino-orbito-cerebral mucormycosis) epidemic in COVID-19 era and its outcomes - A tertiary care center experience. J Mycol Med 2021;32(2):101238. PMID: 34979299
11. Yadav T, Tiwari S, Gupta A, Garg PK, Khera PS, Rajagopal R, Goyal A, Soni K, Chugh A, Jain V, Sureka B, Elhence P, Misra S. Magnetic resonance imaging in Coronavirus disease - 2019 associated rhino-orbital-cerebral mucormycosis (CA-ROCM) - Imaging analysis of 50 consecutive patients. Curr Probl Diagn Radiol 2022;51(1):112-120. PMID: 34802841
12. Chugh A. COVIDSurg Collaborative; GlobalSurg Collaborative. SARS-CoV-2 infection and venous thromboembolism after surgery: an international prospective cohort study. Anaesthesia 2022;77(1):28-39 doi:10.1111/anae.15563. PMID: 34428858
13. Chugh A, Kaur A, Yadav T, Elhence P, PG G, Kumar P. Protracted mandibular swelling with trismus: A rare case of chronic osteomyelitis secondary to eumycetoma. Oral and Maxillofacial Surgery Cases 2021;7(4):100230
14. Kumar S, Chugh A, Kaur A, Chaudhry K *et al.* 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 Maxillofac Oral Surg 2021. https://doi.org/10.1007/s12663-021-01662-6

15. Chugh A, Singh S, Khatana S *et al.* The clinical efficacy of EMLA as a topical anesthetic agent instead of palatal injection during maxillary dental extractions: A randomized controlled trial. J Maxillofac Oral Surg 2021.
16. Kanchan T, Chugh VK, Chugh A, Setia P, Shedge R, Krishan K. Estimation of sex from dental arch dimensions: An odontometric analysis. J Craniofac Surg 2021;32(8):2713-2715. PMID:34292229
17. Mittal N, Mittal R, Gupta MC, Kaushal J, Chugh A, Khera D, Singh S. Systematic review and meta-analysis of efficacy and safety of hydroxychloroquine and chloroquine in the treatment of COVID-19. J Family Med Prim Care. 2021;10(6):2126-2139 PMID:34322403
18. Kanchan T, Chugh VK, Chugh A, Meshram V, Shedge R, Patnana AK, Krishan K. Age estimation using third molar maturation based on Demirjian's criteria. Leg Med (Tokyo) 2021;53:101959 PMID: 34454321.
19. Chugh A, Mehrotra D, Yadav PK. A systematic review on the outcome of distraction osteogenesis in TMJ ankylosis. J Oral Biol Craniofac Res 2021;11(4):581-595 PMID: 34540578
20. Chugh A, Purohit P, Vishnoi JR 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 2021:1-7. https://doi.org/10.1007/s12663-021-01668-0
21. Singh S, Mandal S, Chugh A, Deora S, Jain G, Khan MA, Chugh VK. Clinical post-operative bleeding during minor oral surgical procedure and in vitro platelet aggregation in patients on aspirin therapy: Are they coherent? J Maxillofac Oral Surg 2021;20(1):132-137 PMID: 33584054
22. Shankar SP, Bhatia NK, Chugh A, Chugh VK. Management of bilateral scissor bite in an adult patient using a combination of palatal implant and retromandibular miniplates. AJO-DO Clinical Companion 2021;1(4):270-283.
23. Chugh A, Khatana S, Bhandari R. A novel buccal shield to prevent cheek biting in post-surgical OSMF patients. J Maxillofac Oral Surg 2021;20(2):325-327 PMID: 33927505
24. Chugh A. COVIDSurg Collaborative; GlobalSurg Collaborative. Timing of surgery following SARS-CoV-2 infection: an international prospective cohort study. Anaesthesia 2021;76(6):748-758 PMID: 33690889
25. Singh S, Khera D, Chugh A, Khasbage S, Khera PS, Chugh VK. BCG vaccination impact on mortality and recovery rates in COVID-19: A meta-analysis. Monaldi Arch Chest Dis 2021 Aug 9. doi: 10.4081/monaldi.2021. 1875 PMID: 34461704
26. Gupta D, Thirunavukkarasu B, Bharti JN, Chugh A, Vishnoi JR. Post fine-needle aspiration near total infarction of Warthin tumor with squamous metaplasia: A diagnostic pitfall. Diagn Cytopathol 2021;49(10):1144-1147. PMID: 34427394
27. Singh S, Khera D, Chugh A, Khera PS, Chugh VK. Efficacy and safety of remdesivir in COVID-19 caused by SARS-CoV-2: a systematic review and meta-analysis. BMJ Open. 2021;11(6):e048416. PMID: 34168031
28. Goyal A, Soni K, Sharma V, Choudhury B, Verma A, Kumar D, Khichar S, Chugh A, Sureka B, Srinivasan S, Bhardwaj P, Kamal M, Agarwal A, Bhatnagar K, Bhatia PK, Garg MK, Misra S. Rapid response preparedness for management of post-COVID invasive rhino-orbito-cerebral fungal infections: Experience from a tertiary care Government Institute in India. Indian J Otolaryngol Head Neck Surg. 2021;18:1-3 PMID: 34307113
29. Chugh A.COVIDSurg Collaborative; GlobalSurg Collaborative. Effects of pre-operative isolation on postoperative pulmonary complications after elective surgery: an international prospective cohort study. Anaesthesia 2021;76(11):1454-1464. PMID: 34371522.

30. Chugh A, Mittal Y, Khatana S *et al.* Primary oral mucosal melanoma: A case series. J Maxillofac Oral Surg 2021 doi.org/10.1007/s12663-021-01537-w
31. Chugh A, Kaur A, Kumar Patnana A, Kumar P, Chugh VK. Unisystem langerhans cell histiocytosis in maxillofacial region in pediatrics: comprehensive and systematic review. Oral Maxillofac Surg. 2021;25(4):429-444. PMID: 33591444
32. Kaur A, Chugh A, Kumar P. Dual support technique for pediatric palatal fracture: 1.5 mm transmucosal titanium plates along with acrylic splint backing. BMJ Case Rep 2020;13(11):e233738 PMID: 33257349
33. Chugh A, Kaur A, Kohli A, Kumar P. Oral and maxillofacial minor surgery practice post-COVID 2019 pandemic - An Insight. Ann Maxillofac Surg 2020 ;10(2):439-443 PMID: 33708592
34. Patnana AK, Chugh A, Chugh VK et al. The prevalence of traumatic dental injuries in primary teeth: A systematic review and meta-analysis. Dent Traumatol 2021; 37(3):383-399 PMID: 33289328
35. Shukla NK, Sharma VK, Chaturvedi TP, Parihar AV, Chugh VK. Prediction of spontaneous eruption of palatally displaced canine based on variables measurements in panoramic radiograph: A systematic review. J Oral Biol Craniofac Res 2021;11(2):344-353. PMID: 33786298
36. Gupta V, Tandon P, Shastri D, Chugh VK. Lip profile changes. Am J Orthod Dentofacial Orthop 2021;159(5):558. PMID: 33931215
37. Jha DK, Garg M, Bhaskar S, Gosal JS, Shukla K, Chugh VK, Khera P, Bhatia PK. Methylmethacrylate inter-facetal and inter-vertebral body spacers for cranio-vertebral junction and various spine surgeries: Technical Note. Asian J Neurosurg 2021;16(3):648-654 PMID: 34660389
38. Chaudhry K, Rishi Kumar Bali, Amanjot Kaur, Rahul V C Tiwari. Level of Evidence Analysis in Journal of Maxillofacial Oral Surgery: A Twelve-Year Bibliometric Analysis of 1300 Publications (2009-2020) . Maxillofac. Oral Surg. 2021;20(3):364-372. DOI: 10.1007/s12663-021-01575-4
39. Chaudhry K, Khatana S, Bali R, Kaur A, Dutt N. Quality of Life in Oral Submucous Fibrosis: A Systematic Review. J. Maxillofac. Oral Surg. (2021) doi.org/10.1007/s12663-020-01507-8

Workshops/ Conferences Organized

1. Workshop on Understanding Higher magnification and Evidentiary Clinical photography in Dentistry- A Road Less Travelled, at AIIMS Jodhpur 4th-5th Dec 2021
2. Oral and Maxillofacial Surgery Section, Department of Dentistry participated in Training of Trainer (TOT) Screening of Common Cancers for the Medical Officers – 2 sessions

Eminent Visitors:

1. Dr. Pradeep Tandon, Prof. & Head, Department of Orthodontics, Faculty of Dental Sciences, KGMU Lucknow.
2. Dr. Divya Mehrotra, Prof, Department of Oral and Maxillofacial Surgery, Faculty of Dental Sciences, KGMU, Lucknow
3. Dr. T.P Chaturvedi, Prof & Head, Department of Orthodontics, Faculty of Dental Sciences, BHU, Varanasi.
4. Dr. Naresh Sharma, Prof & Head, Department of Oral and Maxillofacial Surgery, Faculty of Dental Sciences, BHU, Varanasi.
5. Dr. RK Tiwari (EC member DCI). Principal, Prof & Head, Department of Conservative Dentistry and Endodontics, ZA Dental college, AMU, Aligarh.

6. Dr V Gopikrishna. Adjunct Professor at Sri RamChandra Institute Of Higher Education and Research, Chennai India. Researcher, Author and Editor of International repute.
7. Prof. Vikas Punia. Vice Principal and MS, Darshan Dental College and Hospital, Udaipur.
8. Dr. Sandhya Kapoor Punia. Prof. & Head, Darshan Dental College and Hospital, Udaipur.
9. Dr. Tarun Sharma, Prof, Department of Orthodontics, Seema Dental College And Hospital, Rishikesh
10. Dr. Rameshwari Singhal, Additional Prof, Department of Periodontics, Faculty of Dental Sciences, KGMU, Lucknow

Any other information:

1. Workshop on Understanding Higher magnification and Evidentiary Clinical photography in Dentistry- A Road Less Travelled was conducted at AIIMS Jodhpur from 4th-5th Dec 2021.It was attended by more than 100 delegates from all over the country. Live Hands on sessions for Microscope and magnification training were conducted. Principles and intricacies of clinical photography were supplemented with nature photography too.



Lamp lighting at the workshop



Delegates group photograph during session

Name of Faculty: Pravin Kumar
Designation: Professor and Head

Papers Presented:

1. "Management of large periapical lesions with palatal perforations – A case series".at 12th IFEA World Endodontic Congress, held on 31st July- 1st August 2021

Sessions Chaired:

1. Appointed chairperson for a scientific session for IFEA World Endodontic Congress, held on 31st July - 1st August 2021.

Research Project:

Ongoing

Chief Investigator:

1. Comparative evaluation of three different irrigation techniques on causing post-operative pain in single rooted teeth with symptomatic irreversible pulpitis or apical periodontitis: A Randomized Controlled Trial.
2. A Randomized Controlled Trial of postoperative pain evaluation subsequent to working length determination with and without integrated apex locator endomotor while using a single file rotary system in endodontic patients.

Co-Investigator:

1. Evaluation of efficacy of PRF and various bone graft materials in surgical healing of palatal defects of endodontic origin. (CSIR project)
2. A Manual Device for root canal irrigation through Apical Negative Pressure. (MEDTECH-PhD in collaboration with IIT Jodhpur) Ongoing and sent for patent registration.
3. High performance saliva and blood absorbent construct for dental procedure. (MEDTECH-PhD in collaboration with IIT Jodhpur)
4. Aesthetic crowns in Pediatric Dentistry. (MEDTECH-PhD in collaboration with IIT Jodhpur)
5. Clinical, ultra-sonographic and electromyographic evaluation of prognostic factors in oral submucous fibrosis patients.
6. Efficacy of topical 0.02% Mitomycin in Improving Healing in Oral Submucous Fibrous Bands and Reconstruction with Buccal Fat Pad-a Split Mouth Pilot Study.
7. Minimal Clinically Important Difference of Mouth Opening in Oral Submucous Fibrosis Patients.
8. Oral Health in COVID-19 Patients:-A Descriptive Cross Sectional Study.

Completed:

As Principal Investigator

1. A retrospective analysis of efficacy of single visit root canal treatment during COVID**-**19 pandemic in a tertiary care hospital
2. Kumar P, Ram Prakash, Chaudhry K. Efficiency of Cold Atmospheric Pressure (CAP) plasma Jet for smear layer removal in intra-radicular dentin when compared with two other chelating agents used as a final rinse – A scanning electron microscopic evaluation.
3. Kumar P, Ram Prakash, Kombade SP, Chugh A. An in-vitro analysis to evaluate the disinfection effectiveness of Cold Atmospheric Pressure (CAP) plasma Jet in Enterococcus Faecalis infected root canals.
4. Kumar P, Chugh A, Patnana AK. A modified explanation for caries prevalence score in Cariogram for Indian population – A cross sectional study. (Completed and sent for publication)
5. A retrospective analysis of efficacy of single visit root canal treatment during COVID**-**19 pandemic in a tertiary care hospital.

As Co-Investigator

1. Effect of Delayed Appointment in Orthodontic Patients due to COVID-19 Pandemic:-An Observational Study.
2. Patient reported Distress and problems of Oral cancer survivors in Rajasthan- A Mixed method Cross Sectional Study – Multi Centric study.

Scientific Awards/Patents

1. Filing of patent for the research project (MEDTECH) as part of collaboration with IIT Jodhpur

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. Participated in the 12th IFEA World Endodontic Online Congress. (Online)

Name of Faculty: Vinay Kumar Chugh
Designation: Additional Professor

Papers Presented:

1. Presented on Reliability Assessment of Clinical Studies - Reviewers Workshop organized by Craniofacial Research Academy, 26th June 2021.
2. Presented on Ortho-surgical management of skeletal Class III malocclusion- 6th International Craniofacial Summit, organized by Craniofacial Research Academy, AIIMS Rishikesh, 23rd -25th July 2021
3. Presented on Understanding the role of digital study models in Orthodontics and dentistry - 3D Digital Medical Device Designing Course, Sponsored by Department of Health Research, Human Resource Development Grant, Govt. of India, 9th Aug 2021
4. Presented on Application of V Bend principle in molar mesialization - Virtual 55th Indian Orthodontic Conference, Amritsar, 24th-26th Sept 2021.
5. Presented on Commonly used Digital Techniques in Orthodontics and Surgical Planning Using Dolphin Software - 3D Digital Medical Device Designing Course, Sponsored by Department of Health Research, Human Resource Development Grant, Govt. of India, 4th Oct 2021.

Sessions Chaired:

1. Scientific Session Chairman, 6th International Craniofacial Summit, organized by Craniofacial Research Academy, AIIMS Rishikesh 23rd -25th July 2021

Invited Lectures

1. Keynote Speaker, 3D Digital Medical Device Designing Course, Sponsored by Department of Health Research, Human Resource Development Grant, Govt. of India 9th Aug 2021
2. Guest Speaker, 6th International Craniofacial Summit, organized by Craniofacial Research Academy, AIIMS Rishikesh, 23rd -25th July 2021
3. Guest Speaker in Rising Star category, 55th IOC Virtual Conference organized by Indian Orthodontic Society live from Amritsar 24th -26th Sept 2021.

Resource Faculty:

1. Running a Course Module on “Biomechanics in Orthodontics” for Postgraduate students which involve active classroom teaching and demonstrations
2. Subject Expert for preparing MCQ in Orthodontics for SR Examination at MAIDS(MAMC) New Delhi
3. Resource Faculty, Reviewers Workshop organized by Craniofacial Research Academy, 21st-30th June 2021

Research Project:

Ongoing

Chief Investigator:

1. Effectiveness of fixed and removable orthodontic appliances in anterior cross-bite correction during mixed dentition period - A Randomized Controlled Trial.
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

Completed

Chief Investigator

1. The effects of delayed appointment in orthodontic patients due to COVID-19 pandemic: An observational study. (Completed: Sent for Publication)

Co-Investigator

1. Methylmethacrylate inter-facetal and inter-vertebral body spacers in Cranio-Vertebral junction (CVJ) and various spine surgeries.

Scientific Awards/Patents

1. Editorial Award, awarded by Craniofacial Research Academy, Rishikesh 24th July 2021

Examinership

1. MDS Orthodontics, Internal Examiner at AIIMS Jodhpur, December 2020.
2. External Examiner for MDS Oral and Practical Examination Orthodontics, BHU, Varanasi, 24th-25th June 2021.

Membership/Post in Journal or Society or Association

1. Membership; World Federation of Orthodontics.
2. Section Editor; Journal of Oral Biology and Craniofacial Research

National/ International Conferences attended:

1. Workshop on Understanding Higher magnification and evidentiary clinical photography in Dentistry- A Road Less Travelled, at AIIMS Jodhpur 4th-5th Dec 2021
2. 6th International Craniofacial Summit, organized by Craniofacial Research Academy, AIIMS Rishikesh, 23rd -25th July 2021
3. 3D Digital Medical Device Designing Course, Sponsored by Department of Health Research, Human Resource Development Grant, Govt. of India, 9th Aug 2021
4. Virtual 55th Indian Orthodontic Conference, Amritsar, 24th-26th Sept 2021.
5. 3D Digital Medical Device Designing Course, Sponsored by Department of Health Research, Human Resource Development Grant, Govt. of India, 4th Oct 2021

Name of Faculty: Ankita Chugh
Designation: Additional Professor

Sessions Chaired:

1. Chaired scientific session 5th International and 20th National Conference on Machines and Mechanisms (iNaCoMM2021) to be held during December 09-11, 2021 via hybrid mode at PDPM IIITDM Jabalpur, India.

Invited Lectures

1. Presented on "Rare maxillofacial pathologies" at 6th International Craniofacial and Dental Summit held from 23rd -26th July 2021 at AIIMS Rishikesh
2. Presented on "Management of Condylar fractures" at 9th Annual Conference of Gujarat State Chapter &1st Joint conference of Gujarat and Rajasthan State Chapter of Association of Maxillofacial Surgeons of India held at Gandhinagar, Gujarat from 2nd-3rd October 2021.
3. Faculty lecture for PG Master class on "Osteomyelitis and ORN and MRONJ" from 14-19th March 2022 at Amritsar

Resource Faculty:

1. Invited as Panelist for the TMJ session, MIDCOMS 2021 (AOMSI)held on 30th -1st August 2021
2. Invited as faculty for 9th Annual Conference of Gujarat State Chapter &1st Joint conference of Gujarat and Rajasthan State Chapter of Association of Maxillofacial Surgeons of India.held at Gandhinagar, Gujarat from 2nd – 3rd October 2021.
3. Invited as Faculty for AO CMF Course—Management of Facial Trauma (blended learning) in Faridabad from November 12–13, 2021
4. Invited as faculty for ATLS provider course twice, 29th-31st July 2021 and 24th-26th Feb 2022.
5. Invited as Moderator for AOMSI Master Class TMJ session on 11th March 2022
6. Invited as Faculty for PG Master Class by Punjab University and GDC Amritsar from 14-19th March 2022 at Amritsar.

Research Project:

Ongoing:

Chief 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
2. Clinical, ultrasonographic and electromyographic evaluation of prognostic factors in oral submucous fibrosis patients
3. Localised 0.2% Chlorhexidine Irrigation delivery system versus Oral antibiotics in reducing Post-Operative Complications in surgical extraction of impacted mandibular third molars (IMTM); A Randomized Control Trial

Co-Investigator:

1. Evaluation of efficacy of PRF and various bone graft materials in surgical healing of palatal defects of endodontic origin. – under CSIR
2. Evaluation of Accuracy of Orbital Patient Specific Implants: And Multi Centric Study – Submitted to DST
3. Angiogenic-osteogenic nano-hydroxyapatite reinforced PEEK-based 3D printed mini plates for mandibular fracture approximation" with Dr Jaiveer as PI from IIT Jodhpur (Rs. 74,00,000/-): Submitted to DST
4. Predictive value of Various clinical specimens for the microbiological diagnosis of COVID-19 associated Mucormycosis at AIIMS Jodhpur
5. Isolate profiling and geographical distribution of cases of COVID associated mucormycosis presenting to AIIMS Jodhpur-
6. Tele-presence and Tele-action System for Robot Assisted Dentistry – In Collaboration with IIT Jodhpur, TU Delft- A multi- centric project- Extramural

Completed

Chief Investigator:

1. Patient reported Distress and problems of Oral cancer survivors in Rajasthan- A Mixed method Cross Sectional Study – Multi Centric study.
2. Kumar P, Ram Prakash, Kombade SP, Chugh A. An in-vitro analysis to evaluate the disinfection effectiveness of Cold Atmospheric Pressure (CAP) plasma Jet in Enterococcus Faecalis infected root canals.

Co-Investigator:

1. Magnetic Resonance Imaging in Coronavirus Disease-2019 Associated Rhino-Orbital-Cerebral Mucormycosis (CA-ROCM)-Imaging Analysis of 50 Consecutive Patients
2. International Multi-centric Observational Study, ie. COVIDSURG-3 Study: Outcomes of surgery in COVID-19 infection.
3. Surgical & medical management of ROCM (Rhino-orbito-cerebral mucormycosis) epidemic in COVID-19 era and its outcomes–A tertiary care center experience

Examinership

1. MDS OMFS Internal Examiner at AIIMS Jodhpur, December 2021
2. Subject expert for Selection Committee for Contractual faculty at AIIMS Deoghar on 21st March 2022.
3. Faculty for Viva for final year MDS students PAN India conducted by Association of Maxillofacial Surgeons of India on 18th and 25th March 2022.
4. External examiner for University practical examination for 4th BDS at Vyas Dental college and Hospital on 7th &8th February 2022

Membership/Post in Journal or Society or Association

1. Assistant Secretary, Rajasthan Association of Oral and Maxillofacial Surgeons (RAJAOMSI)
2. Section Editor for Orthognathic Surgery in Journal of Oral Biology and Craniofacial Research by Elsevier

National/ International Conferences attended:

1. 6th International Craniofacial and Dental Summit held from 23rd -26th July 2021 at AIIMS Rishikesh
2. MIDCOMS 2021 (AOMSI)held on 30th -1st August 2021. (Online)
3. 9th Annual Conference of Gujarat State Chapter &1st Joint conference of Gujarat and Rajasthan State Chapter of Association of Maxillofacial Surgeons of India.held at Gandhinagar, Gujarat from 2nd – 3rd October 2021.
4. AO CMF Course—Management of Facial Trauma (blended learning) in Faridabad from November 12–13, 2021

Name of Faculty: Dr Kirti Chaudhry
Designation: Additional Professor

Research Project:

Ongoing:

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. AIIMS Jodhpur

Completed

As Principal Investigator

1. Oral health in covid-19 patients: a descriptive cross-sectional study.
2. Minimal Clinically Important Difference (MCID) of mouth opening in Oral Submucous Fibrosis patients.
3. Comparison of knowledge of Post Extraction Instructions and Risk factors between Dry socket and healthy socket patients**:** A cross sectional study.
4. Pain control during pulpectomy in Irreversible Pulpitis: A randomized parallel double blinded study.
5. The effect of oral rehabilitation under general anaesthesia on oral health related quality of life in Children – A prospective clinical trial
6. Six assisted improvement in reducing time to emergency root canal therapy in outpatient department of Dentistry.

Examinership

1. Oral and Maxillofacial Surgery. AIIMS Jodhpur. 9th to 12th December and 17th and 18th December
2. Oral and Maxillofacial Surgery. AIIMS Jodhpur. 3rd to 6th May and 19th and 20th May

Membership/Post in Journal or Society or Association

1. Life member; No.1334, AOMSI

Department of Dermatology, Venereology and Leprology

S.No.	Name	Designation
1	Dr. Abhishek Bhardwaj	Additional Professor & Head
2	Dr. Saurabh Singh	Associate Professor
3.	Dr. Anil Budania	Associate Professor
4.	Dr. Anupama Bains	Assistant Professor
5.	Dr. Suman Patra	Assistant Professor

About the Department:

The year 2021-22 will be remembered for a brutal second wave and a relatively subtle third wave of the COVID-19 pandemic. Amidst all this, the department of Dermatology, Venereology and Leprology continued to fulfill its duty towards patient care, academics and research.

The department stamped its national presence by hosting the Annual meeting of the Dermatopathology Society of India in January 2022. Our contribution was major to the 42nd Rajasthan CUTICON the biggest state event, which took place as a physical conference after a gap imposed by the pandemic. The department contributed actively to the 50th annual e-DERMACON, the national conference, in various capacities.

In patient care, the conventional physical OPD mode began to dominate and the modern initiative of tele-dermatology diminished, relatively. The department envisions utilizing the tele-dermatology mode for both follow-up as well as for patients who come from afar. The tele-dermatology mode also serves as an excellent tool for the department to extend its services to patients catered by the Satellite center for tribal Health, Abu Road run by AIIMS, Jodhpur in the aspirational district of Sirohi.

The departments' Post Graduate degree examination gradually metamorphosed from virtual to hybrid and thereafter fully physical mode. All our students came out of their assessment with flying colours, scrutinized by examiners from leading Institutes of National Importance.

The department has presently 19 post graduates students. The PG teaching programme continues to be comprehensive with Seminars, Journal Club, SR classes and Dermatopathology sessions. As the pandemic has eased the case-presentations have become physical thereby enabling a free flow of information for the learners.

The department also added the feather of starting a post-doctoral fellowship course in dermato-pathology as the first PDF joined under the combined tutelage of our department and the department of Pathology.

The students continue to earn multiple accolades for the department. They won many awards and recognitions in quizzes, poster and paper presentation. The senior residents are partaking in multiple projects, writing papers and contributing overall.

Research output continues to be impressive with close to 40 publications that are attributable to the members of the department. The department continues to conduct multiple research projects. Besides Intra- Mural, Extra- Mural and non-funded research projects, now industry sponsored and innovative entrepreneur-backed projects are also being taken up.

The department celebrated World Vitiligo day by organizing a Virtual CME, yet again. While events were celebrated by displaying IEC posters on the respective days, the department added multiple informative videos on the YouTube channel of AIIMS, Jodhpur. These videos are displayed daily in the OPD too for the information of patients and general public.

Compiled list of Publications of the department:

Papers

Pubmed Indexed:

1. Bhardwaj A, Gupta SK, Narang T, Suneetha S, Pradhan S, Agarwal P, et al. Updates on management of leprosy in the context of COVID-19 pandemic: Recommendations by IADVL SIG Leprosy. Indian Dermatol Online J 2021; 12:S24-30.
2. Bains A, Chouhan C, Bhardwaj A. Treatment practices amongst dermatologists in western India during the COVID-19 pandemic: A cross-sectional study. Indian J Dermatol Venereol Leprol. 2021 Nov 24:1-7.
3. Srivastav S, Bhardwaj A. A rapid and convenient method for serial measurement of skin lesions. J Am Acad Dermatol. 2021 Oct 6:S0190-9622(21)02580-9.
4. Rajan M B, Bhardwaj A, Bharti JN, Agrawal A. A novel use of intermittent low dose dabigatran for maintenance of remission in livedoid vasculopathy. Dermatol Ther. 2021 Jul; 34(4):e14997.
5. Singh S, Rajan MB, Bhardwaj A. Topical imiquimod as a neo-adjuvant chemotherapy for cartilage salvage in the treatment of nodular basal cell carcinomas of the head and neck. Indian J Dermatol Venereol Leprol. 2021 May-Jun; 87(3):452-454.
6. Rajan MB, Bhardwaj A, Khera S, Rajagopal V. Pigmented Aqua-Exacerbated Symmetrical Acral Hyperkeratosis: Washing Shows Its True Colour. Indian Dermatol Online J. 2020 Sep 28; 12(2):335-336.
7. Beniwal R, Bhardwaj A. Casal's Necklace in Pellagra. J Cutan Med Surg. 2021 Sep 8:12034754211045378. doi: 10.1177/12034754211045378. Epub ahead of print. PMID: 34494896.
8. Narang T, Mehta H, Rathod SP, Kansal NK, Gupta SK, Chauhan PS, Bhardwaj A, Shilpa, Pal M, Kaur S, Dogra S. (2022). Challenges Faced by People Affected with Leprosy During the COVID-19 Pandemic: A Questionnaire Based Study. Indian J Lepr. 94: 33-48.
9. Singh S, Passi S. A 4-year multicentric experience of intravenous cannula-based intralesional radiofrequency ablation as an effective and safe office procedure for common cutaneous nodules. Indian J Dermatol Venereol Leprol. 2021;87(3):433.
10. Rajagopal V, Alam A, Bharti JN, Satyendra TB, Dharamsaktu D, Singh S. Skin-colored papules and infiltration on sun-exposed skin in an elderly woman. J Dtsch Dermatol Ges.2021;19(9):1359.
11. Ansari F, Mudugal R, Singh S, Bharti S, Bharti JN, Nalwa A. Hystrix-like linear porokeratosis: a clinicopathological challenge. Int J Dermatol. 2022;61(2):e76.
12. Lahoria U, Singh S, Srinivasan VR. Extensive Varioliform and Atypical Targetoid Presentation of Acute Varicella in a Patient of Ankylosing Spondylitis. Indian Dermatol Online J.2022;13(2):280.
13. Pathania YS, Budania A. Diabetic Stiff Hand Syndrome in a Child. J Paediatr Child Health. 2021;57:1347. doi: 10.1111/jpc.15629. PMID: 34169601.
14. Pathania YS, Budania A. Progressive hyperpigmentation over hands and feet in a young male. Pediatr Dermatol. 2021;38:e28-e29. doi: 10.1111/pde.14666. PMID: 34448229.
15. Pathania YS, Budania A. Toxic erythema of chemotherapy. QJM. 2021;114:611-612. doi: 10.1093/qjmed/hcab136. PMID: 33989410.
16. Mudugal R, Bains A, Budania A, Rao M. Cutaneous Metastasis Presenting as Vesicular-Like Lesions. Dermatol Pract Concept. 2021;11:e2021061. doi: 10.5826/dpc.1103a61. PMID: 34414011; PMCID: PMC8337035.
17. Pathania YS, Budania A. Post-kala-azar dermal leishmaniasis. QJM. 2022 ;114:824-825. doi: 10.1093/qjmed/hcab236. PMID: 34499181.

18. Budania A, Mandal S, Pathania YS, Lahoria U, Khan MA, Puri I, Mishra R. Comparing novel versus conventional technique of platelet-rich plasma therapy in periorbital hyperpigmentation: A randomized prospective split-face study. J Cosmet Dermatol. 2021;20:3245-3252. doi: 10.1111/jocd.14121. PMID: 33793043.
19. Pathania YS, Budania A. Visual Dermatology: Facial Idiopathic Granulomas With Regressive Evolution (FIGURE). J Cutan Med Surg. 2021;25:561. doi: 10.1177/1203475420943261. PMID: 32776798.
20. Pathania YS, Budania A, Lahoria U, Vishwajeet V. Recurrent and Persistent Lymphomatoid Papulosis in an Elderly Male with Hodgkin's Lymphoma. Am J Med. 2021;134:1362-1364. doi: 10.1016/j.amjmed.2021.05.012. PMID: 34197790.
21. Pathania YS, Rao M, Budania A. Drug Reaction with Eosinophilia and Systemic Symptoms (DRESS) Syndrome: An unusual presentation with multiple follicular papules. Indian Dermatology Online Journal. 2021;12:467.
22. Bains A, Vishwajeet V. Visual Dermatology: Solitary Ulcerated Plaque Over a Scar. J Cutan Med Surg. 2021 May-Jun;25(3):330.
23. Rajagopal S V, Bains A, Vedant D. Indurated yellowish-orange colored plaques over forearm in a middle-aged female. Int J Dermatol. 2021 May;60(5):e171-e173.
24. Pathania YS, Mudugal R, Bains A, Elhence P. Nodular swelling over finger in a middle-aged female. Int J Dermatol. 2021 Jul;60(7):e256-e258.
25. Bains A, Vedant D, Elhence P, Alam A. Ulcerated Nodule over a Laproscopic Scar: An Unusual Presentation of Cutaneous Plasmacytoses? Indian J Dermatol. 2021 Jul-Aug;66(4):447.
26. Bains A, Rajagopal VS, Vedant D, Elhence P. A Curious Case of Drug-induced Subacute Cutaneous Lupus Erythematosus. Indian Dermatol Online J. 2021 Aug 2;12(5):772-773.
27. Bains A, Rajagopal S V, Lahoria U. Dermoscopy of salt and pepper pigmentation. Indian Dermatol Online J [Epub ahead of print] [cited 2021 Nov 29]. Available from:https://www.idoj.in/preprintarticle.asp?id=295449
28. Bains A, Beniwal R, Vedant D, Elhence P. Dermoscopy of "Lichenoid Pseudovesicular Papular Eruption on Nose". Indian Dermatol Online J. 2021 Nov 22;12(6):950-951.
29. Bains A, Vishwajeet V, Lahoria U, Bhardwaj A. Morpheaform basal cell carcinoma masquerading as desmoplastic trichoepithelioma in a young patient. Indian J Dermatol 2021;66(6):708
30. Mudugal R, Bains A, Elhence P, Bharti JN. Relapsing erythematous papuloplaque lesions on the forearm of a middle-aged man. Clin Exp Dermatol. 2022 Jan;47(1):209-212.
31. Bains A, Kumar S. Visual Dermatology: Intraoral Lymphangioma. J Cutan Med Surg. 2022 Feb 3:12034754221077897. doi: 10.1177/12034754221077897. Epub ahead of print. PMID: 35114806.
32. Patra S, Santosh T, Choudhary SV, Tandon A. Idiopathic Calcinosis Cutis over Face-a Case Report. Indian J Surg Oncol. 2021 Dec;12(4):793-795.
33. Patra S, Kaur M, Gupta S. Reduction of Papular Acne Scars With Needle-Guided Radiofrequency Ablation. Dermatol Surg. 2021 Aug 1;47(8):1162-1163.
34. Santosh T, Sharma T, Patra S, Asati DP, Chaurasia JK, Joshi D, Kapoor N. Cutaneous mastocytosis-Conglomerate of diagnostic tools: A report of four cases. Indian J Pathol Microbiol. 2021 Jul-Sep;64(3):587-590.
35. Patra S, Kaur M, Gupta S. Intralesional radiofrequency with a thin hypodermic needle in the management of papular acne scars. J Am Acad Dermatol. 2021 Jun;84(6):e259-e260.

36. Patra S, Khaitan BK, Sharma VK, Khanna N. A randomized comparative study of the effect of betamethasone oral mini-pulse therapy versus oral azathioprine in progressive nonsegmental vitiligo. J Am Acad Dermatol. 2021 Sep;85(3):728-729.
37. Patra S, Senthilnathan G, Ramam M, Arava S, Bhari N. Linezolid: A novel treatment option for the treatment of a non-responsive case of actinomycotic mycetoma. Indian J Dermatol Venereol Leprol. 2021 May-Jun;87(3):455.
38. Maninder K, Richa R, Dinesh AP, Suman P. Factors affecting the outcome of fractional carbon dioxide laser resurfacing of various types of scars in skin of color. J Cosmet Dermatol. 2021 Dec 21. doi: 10.1111/jocd.14698. Epub ahead of print. PMID: 34932873.
39. Patra S, Senthilnathan G, Ramam M, Arava S, Bhari N. Authors' Reply. Indian J Dermatol Venereol Leprol. 2022 Mar-Apr;88(2):213.
40. Patra S, Khaitan BK. Arrest of progression and duration to achieve it: an important indicator for efficacy of medication aimed at rapidly progressive vitiligo. Int J Dermatol. 2022 Mar 1. doi: 10.1111/ijd.16142. Epub ahead of print. PMID: 35230707.
41. Sahani MK, Asati DP, Kaur M, Patra S. Can etanercept be an option in management of recurrent steroid-dependent erythema nodosum leprosum? A retrospective study of six patients. Indian J Dermatol Venereol Leprol. 2022 Mar-Apr;88(2):243-246.

Non-Pubmed Indexed:

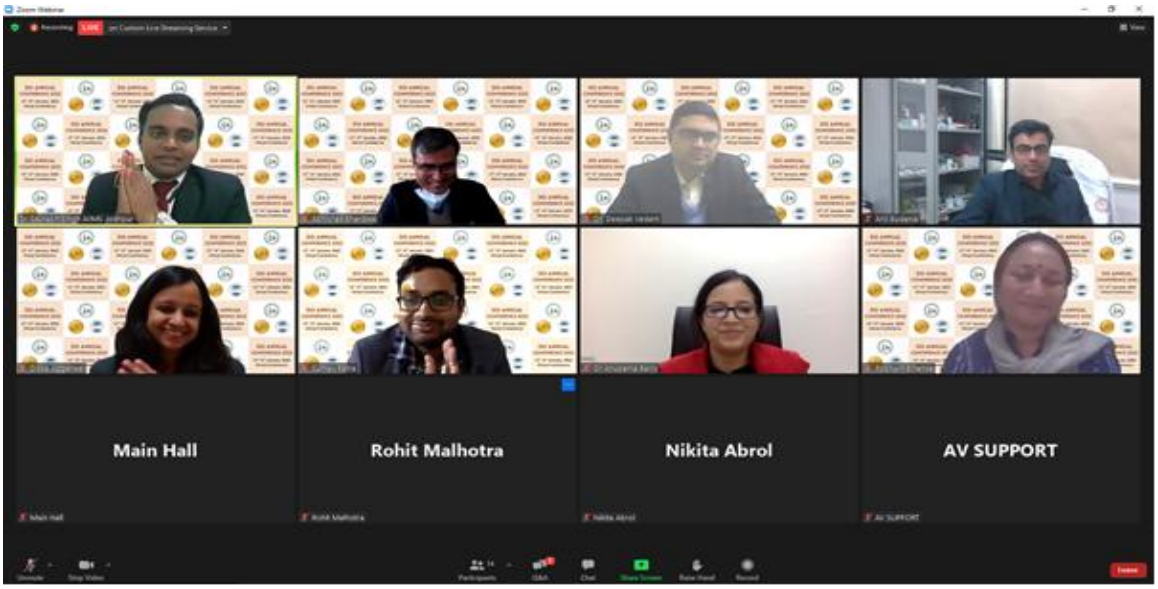
1. Elhence PA, Vedant D, Singh S, Pareek P. An Unusual Nodular Tumour of the Penile Shaft with Clinicopathologic and Immunohistochemical Correlation. Turk Patoloji Derg.2022; 38(1):70.
2. Dwivedi R, Dwivedi P, Yadav SS, Bohra GK, Bhardwaj A, Dutt N, et al. A community cross-sectional study on knowledge attitude and practice of prevention of COVID-19 among traditional tribal healers in the tribal subpopulation zone of Sirohi district of Rajasthan. Int J Community Med Public Health 2022; 9:1324-31.

Workshops/ Conferences Organized

1. Annual meeting of the Dermatopathology Society of India, Virtual (AIIMS Jodhpur), The Department of Dermatology, Venereology and Leprology, AIIMS Jodhpur,14th and 15th January 2022. (Online)
2. IADVL Rajasthan CUTICON 2021, The Department of Dermatology, Venereology and Leprology, AIIMS Jodhpur, Sairafort Sarovar Portico, Jaisalmer, 18th - 19th December 2021
3. DERMACON 2022, Indian Association of Dermatologists, Venereologists & Leprologists (IADVL) Rajasthan, Hotel Clark Amer, Jaipur, 4th - 6th February 2022
4. World Vitiligo Day virtual guest lecture by Prof Caroline LePoole (USA), The Department of Dermatology, Venereology & Leprology, AIIMS Jodhpur, 25th June 2021. (Online)

Any other information:

1. The department along with department of Pathology organized a highly appreciated virtual Annual meeting of the Dermatopathology Society of India on 14th & 15th January 2022. Experts from both Dermatology and Pathology, national as well as international gave lectures of immense value to a Pan – India multidisciplinary audience.



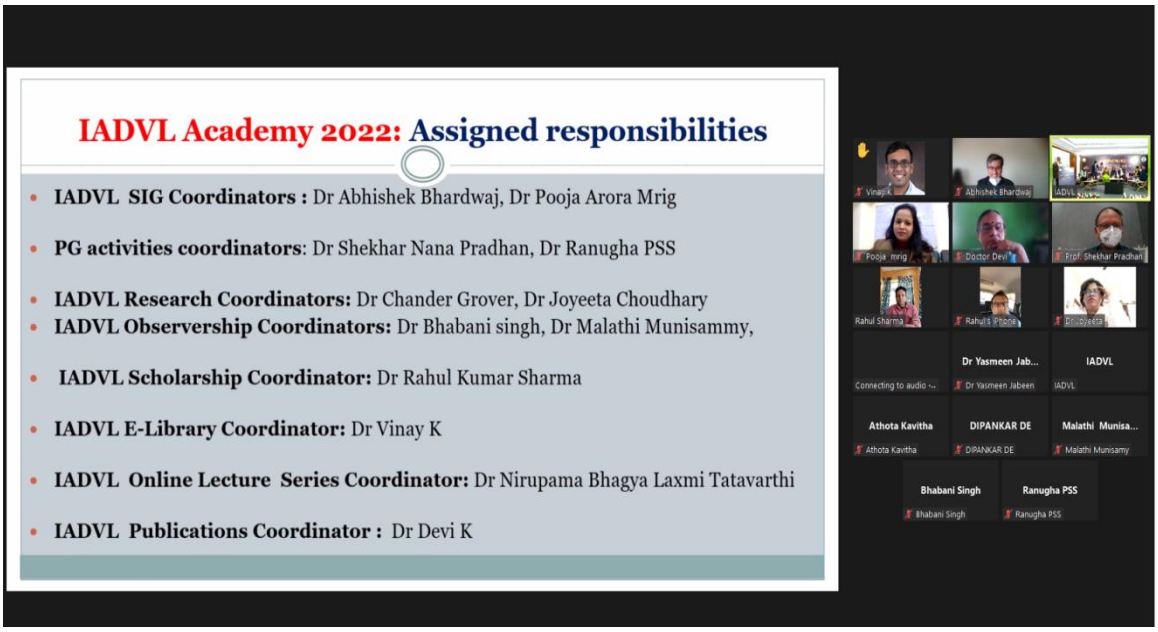
The organizing team of Annual Meeting of Dermatopathology society of India

2. The department along with department of Dermatology at Dr. SN Medical College organized the 42nd Annual Rajasthan CUTICON at Jaisalmer. Imminent speakers from all over India gathered and gave informative lectures on the theme 'Evidence-based Dermatology'. Residents from the department won multiple awards in the conference.



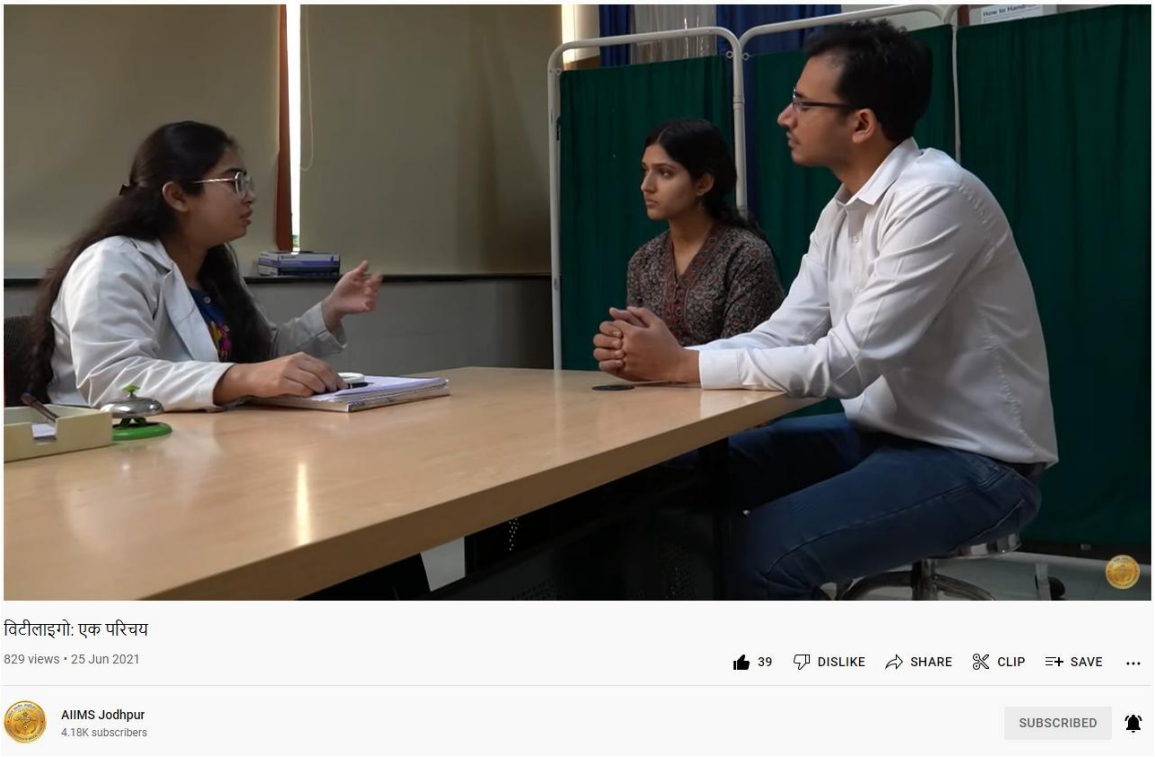
Dr. Neelam Chhajed winning the first prize in Award paper presentation at 42nd Rajasthan CUTICON

3. At the golden Jubilee DERMACON, the national conference, faculty of the department carried out important roles and responsibilities assigned by the scientific committee.



50th e-DERMACON: Newly constituted IADVL Academy

4. Students and the faculty got together and developed multiple public information videos on common dermatological disorders. These are hosted on AIIMS Jodhpur YouTube channel for information of patients and public at large.



Patient Information Videos hosted on institutional YouTube channel

Name of Faculty: Dr. Abhishek Bhardwaj
Designation: Additional Professor & Head

Books/Chapters

1. Singh K, Dixit SG, Dwivedi P, Srivastav S, Dixit A, Bhardwaj A, Swami M, Misra S. Medical Education During the Covid Pandemic: Challenges and Solutions. In:The Coronavirus Pandemic and the Future: Virology, Epidemiology, Translational Toxicology and Therapeutics. Editors: Michael D Waters, Alok Dhawan, Tim Marrs, Diana Anderson, Stafford Warren, Claude L Hughes, Publisher: Royal Society of Chemistry; Volume 2. 2022:507-531.
2. Bhardwaj A, Rajan MB. Antiviral agents In: Sardana K ed. Systemic Drugs in Dermatology. New Delhi: Jaypee Brothers Medical Publishers (P) ltd; 2nd Edition. 2021:327-366
3. Sumit Sethi, Bhardwaj A, Anjali. Sexually Transmitted Infections. Textbook of Dermatology & Sexually transmitted diseases with HIV Infection. New Delhi: CBS Publishers and distributors (P) ltd.; 2nd Edition. 2022:477-499.

Sessions Chaired

1. Interventional Dermatology, 42nd Raj CUTICON. Dr. SN Medical College, Jodhpur & AIIMS, Jodhpur under Marwar Derma Society, Sairafort Portico Jaisalmer, 18th-19th December 2021.

Invited Lectures

1. Lecture on 'Treatment Updates in leprosy', Mid Cuticon Bihar, 11th July 2021 Patna (Online).
2. Panelist in scenario-based Panel discussion on leprosy, Mid Cuticon Bihar, 11th July 2021 Patna (Online).
3. Lecture on 'Scalp pruritus' in IADVL Pruritus CME 2 by Special Interest Group (SIG) Pruritus, 28th August 2021.
4. Panel discussion IADVL Pruritus CME 2 by Special Interest Group (SIG) Pruritus SIG pruritus, 28th August 2021.
5. Moderated session "semi-long case on Leprosy", 8th PGCON, 26th September 2021 (Online).
6. Lecture on pruritus E-derma Academy by Dr. Reddy's Lab (sponsor) with panel discussion, 9th October 2021 (Online).
7. Moderator of panel discussion on Leprosy at CME, 26th Jan 2022, Bihar IADVL (Online).

Symposium Speaker

1. Moderated case- based discussion on Leprosy for PG viva-II, Indian Association of Dermatologists, Venereologists & Leprologists (IADVL) Special Interest Group (SIG) Leprosy, 10th July 2021 (Online).

Resource Faculty

1. Organizing Chairperson, Annual Conference of Dermatopathology Society of India. Co-organized by Department of Dermatology, Venereology and Leprology & Department of Pathology and Lab Medicine, 14th -15th January 2022. (Online)
2. Joint Scientific Secretary, 50th e-DERMACON 2022. Indian Association of Dermatologists, Venereologists & Leprologists (IADVL) Rajasthan, Virtual Conference, 04th -06th February 2022
3. Organizing Co-Chairman, 42nd Raj CUTICON. Dr. SNMC, Jodhpur & AIIMS, Jodhpur under Marwar Derma Society, Sairafort Portico Jaisalmer, 18th-19th December 2021

4. On line module on 'Current treatment Paradigms' on Leprosy- Current challenges, IADVL Special Interest Group (SIG) Leprosy, 23rd November 2021. (Online)
5. Master of ceremony, 'Rare disease day CME', SIG Pediatric Dermatology, 27th February 2022.(Online)
6. Moderator of Public Awareness-cum-panel discussion on Rakt suraksha par jagrukta, All India Institute of Medical Sciences, Jodhpur, 29th Mar 2022.
7. Member of the Jury in the 10th Torrent Young Scholar Award, Zonal Round, 23rd January 2022.

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. EXTRA MURAL- Indian Association of Dermatologists, Venereologists & Leprologists
2. Clinical study for detection and characterization of superficial fungal infections using a multispectral fluorescence imaging device. EXTRA MURAL- Adiuvo Diagnostics Private Limited- part of India-Sweden Healthcare Innovation Challenge

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 (EXTRA MURAL- Apex Laboratories through Ki3 Clinical services)
2. Comparing the efficacy and safety of varying doses of oral minoxidil and 5 % topical minoxidil in androgenetic alopecia.
3. A survey of treatment practices among dermatologists during COVID-19 pandemic : Experience of a tertiary care centre in western India.
4. 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

Completed:

As Principal Investigator

1. Correlation of cutaneous hyperandrogenism with Anti Mullerian Hormone levels and polycystic ovarian morphology (PCOM) in females.

As Co-Investigator

1. Improving quality of Medical Education through evaluation of multiple thematic opportunities in instructional methods and assessment created during COVID-19 Pandemic.
2. Online Microteaching comparison of two methods for faculty teaching skills during COVID-19 and Post COVID-19.
3. Need assessment regarding Telemedicine among indigenous population of District Sirohi.
4. Study of Knowledge, Attitude and practice about COVID-19 among Tribal healers in District Sirohi

Examinership

1. MD (Dermatology). Patna/ Patna Medical College & Hospital, 21st September 2021

2. MD (Dermatology). Patna/ Nalanda Medical College & Hospital, 20th September 2021
3. Thesis Examiner for MD (Dermatology). Jodhpur/ Dr. Sampurnanand Medical College, Jodhpur, 24th March 2022
4. MD (Dermatology & Venereology). Jodhpur, All India Institute of Medical Sciences, Jodhpur , 20th December 2021
5. MD (Dermatology & Venereology). Jodhpur, All India Institute of Medical Sciences, Jodhpur , 13th May 2021

Membership/Post in Journal or Society or Association -

1. Member/SIG Coordinator; ACADEMY Indian Association of Dermatologists, Venereologists & Leprologists (IADVL)
2. Chief Editor; Newsletter of SIG Leprosy Indian Association of Dermatologists, Venereologists & Leprologists (IADVL)
3. Member; Dermatopathology Society of India
4. Member; Indian Association of Leprologists

National/ International Conferences attended:

1. 42nd Raj CUTICON. Dr. SNMC, Jodhpur & AIIMS, Jodhpur under Marwar Derma Society, Sairafort Portico Jaisalmer, 18th-19th December 2021
2. 50th e-DERMACON 2022. Indian Association of Dermatologists, Venereologists & Leprologists (IADVL) Rajasthan, 04th -06th February 2022. (Online)
3. Annual Conference of Dermatopathology Society of India. Co-organized by Department of Dermatology, Venereology and Leprology & Department of Pathology and Lab Medicine, 14th -15th January 2022. (Online)

Name of Faculty: Dr. Saurabh Singh
Designation: Associate Professor

Book Chapters:

1. "Neoplasias" chapter in IADVL textbook of MCQs in Dermatology, Venereology and Leprology, released in mid-dermacon 2021. Authors: Saurabh Singh, Biswanath Behera, Navneet Kour.
2. "Advanced dermatosurgical procedures" chapter in IADVL textbook of Innovations in Dermatosurgery released in mid-dermacon 2021. Authors: Saurabh Singh, Utkrist Lahoria, Akriti Aggarwal.

Invited Lectures

1. Invisible dermatoses, a histopathological approach. PGNAR, 12th May 2021, YouTube lecture. (Online)
2. My interesting case of CTD. CUTICON Karnataka, 18th December 2021, hybrid, Bengaluru.
3. Suturing techniques. Workshop of 50th e-DERMACON, 30th January 2022. (Online)
4. Update on management of genital HPV infection. 50th e-E-DERMACON, 4th February 2022, Hotel Clark Amer, Jaipur.

Resource Faculty:

1. Suturing techniques. E-DERMACON, 30th January 2022. (Online)

Research Project:

Ongoing:

Principal Investigator :

1. Retrospective analysis of autologous fat grafting in patients with atrophic acne scars.
2. Application of new tools for molecular diagnosis and surveillance of post kala azar dermal leishmaniasis and cutaneous leishmaniasis in India. ICMR, Principal investigator for the Jodhpur site. Other institutes: NIP-ICMR Delhi, HIMSAR, Jamia Hamdard Delhi, GMC Jammu, ICMR RMRI Patna.

Co-Investigator :

1. Demonstration of integrated approach for surveillance of skin neglected tropical diseases (NTDs) in western Rajasthan, India. RSTMH.

Completed:

As Principal Investigator

1. Small nodular basal cell carcinomas may be safely excised with minimal tumor free margin: a brief institutional experience.

Examinership

1. Dermatopathology post-doctoral fellowship exam. External examiner. AIIMS Bhopal. July 2021.
2. MBBS Final Prof. AIIMS Jodhpur. Dec 2021 and Feb 2022.
3. MD Dermatology final exam. Internal examiner. AIIMS Jodhpur May-June 2021 and Dec 2021.
4. MD Dermatology Thesis examination, External expert. SNMC Jodhpur. March 2022.

Membership/Post in Journal or Society or Association -

1. Member; National Quiz committee, Association of Cutaneous Surgeons of India
2. Member, Special Interest Group of Dermatopathology; Indian Association of Dermatologists, Venereologists and Leprologists
3. Member, Executive committee; Dermatopathology Society of India.
4. Associate Member; International Society of Dermatology.
5. Member; Royal Society of Tropical Medicine and Hygiene

National/ International Conferences attended:

1. CUTICON Karnataka, IADVL Karnataka state branch, 18th December 2021 (Online)
2. CUTICON Rajasthan, IADL Rajasthan state branch, 18th -19th December 2021 (Online)
3. Annual meeting of Dermatopathology Society of India, 14th -15th January 2022. (Online)
4. E-DERMACON, IADVL Rajasthan State Branch and organizing committee, Hybrid, Hotel Clark Amer, Jaipur, 4th -6th February 2022.

Name of Faculty: Dr. Anil Budania

Designation: Associate Professor

Papers Presented:

1. Anil Budania. A randomized comparative study between novel and conventional technique of platelet rich plasma in periorbital hyperpigmentation. 13th International Congress of Dermatology, 10th -13th November 2021, Melbourne (Australia).

2. Sahiba Rafi, Anil Budania. Safety profile of diode laser hair reduction in skin of color. 50th Annual Conference (Golden Jubilee) of IADVL e DERMACON Jaipur. 4th -6th February 2022. Jaipur, Rajasthan

Research Project:

Ongoing:

As Principal Investigator

1. Clinical profile of urethritis and cervicitis and molecular characterization of the causative organisms. AIIMS Jodhpur.
2. Comparing the efficacy and safety of varying doses of oral minoxidil and 5% topical minoxidil in androgenetic alopecia. Free Project
3. Maskne: Its relationship to skin microbiome and response to treatment. Free Project

Completed:

As Principal Investigator

1. Psychosocial and financial impact of facial hair among female patients of hirsutism: An observational study.

National/ International Conferences attended:

1. International Congress of Dermatology. International Society of Dermatology. Melbourne Australia. 10th -13th November 2021.
2. 50th Annual Conference (Golden Jubilee) DERMACON. Indian Association of Dermatologists, Venereologists & Leprologists. Jaipur, Rajasthan 4th -6th February 2022. (Online)

Name of Faculty: Dr. Anupama Bains
Designation: Assistant Professor

Sessions Chaired:

1. Participated as faculty in scientific session on free paper presentation, 50th national conference of Indian association of dermatologists, venereologists and Leprologists (e-DERMACON 2022), 4th - 6th February 2022. (Online)
2. Moderated session on clinicopathological case discussion, Annual conference of Dermatopathology society of India, 14th-15th January 2022. (Online)

Research Project:

Ongoing:

As Co-Investigator

1. ICMR project titled "Surveillance of scrub typhus infection by serological and molecular testing by DHR-virus diagnostic laboratories across the country "
2. “Comparing the efficacy and safety of varying doses of oral minoxidil and 5% topical minoxidil in androgenetic alopecia.

Completed:

As Principal Investigator

1. A survey of treatment practices among dermatologists during the COVID-19 pandemic
2. Retrospective study of Teledermatology services during COVID-19 pandemic: Experience of a tertiary care centre in Western India

Scientific Awards/Patents

1. First prize in poster presentation in case report (faculty), 4th Amrita annual update on dermatological diseases-A virtual international CME, AIMS Kochi, Kerala, 15th-17th July 2021.

Membership/Post in Journal or Society or Association -

1. Member (MNAMS; The National Academy of Medical Sciences (India)

National/ International Conferences attended:

1. IADVL postgraduate lecture on 'Leprosy and Disability', IADVL, 10th July 2021. (Online)
2. IADVL postgraduate lecture on 'Sexually transmitted infections in MSM' , IADVL, 14th August 2021. (Online)
3. 4th Amrita annual update on dermatological diseases-A virtual international CME, AIMS Kochi, Kerala, 15th-17th July 2021.
4. 11th annual hybrid conference of contact and occupational dermatoses forum of India (H-CODFICON),19th September 2021. (Online)
5. 8th PGCON 2021, IADVL, 25th – 26th September 2021. (Online)
6. Virtual national medical trichology CME, IADVL, 9th January 2022. (Online)
7. Annual conference of dermatopathology society of India, Department of dermatology and Pathology, AIIMS Jodhpur, 14th-15th January 2022. (Online)
8. Participated in 50th national conference of Indian association of dermatologists, venereologists and Leprologists (e-DERMACON 2022), 4th - 6th February 2022. (Online)
9. Workshop in 50th national conference of Indian association of dermatologists, venereologists and Leprologists (e-DERMACON 2022), 30 January 2022. (Online)
10. 'Rare disease day CME', IADVL, 27th February 2022. (Online)

Name of Faculty: Dr. Suman Patra
Designation: Assistant Professor

Books/Chapters:

1. Suman Patra, Usha Khemani. Systemic Diseases and skin in IADVL textbook of MCQs in Dermatology, Venereology and Leprosy. Gupta L (editor), 1st edition, Delhi, Knowledge Bridge 2022.
2. Ishmeet Kaur, Faizan Yunus Khan, Suman Patra. Miscellaneous use of Dermoscopy in IADVL atlas of Dermoscopy by Balachandra S Ankad, Yasmeen J Bhat , Kinjal D Rambhia. First edition (1 January 2022); Jaypee Brothers Medical Publishers Pvt Ltd.

Sessions Chaired:

1. Participated as faculty in scientific session on free paper presentation in 50th national conference of Indian association of Dermatologists, Venereologists and Leprologists (e-DERMACON 2022), 4th - 6th February 2022. (Online)
2. Moderated session on clinicopathological case discussion in annual conference of dermatopathology society of India on 14th-15th January 2022. (Online)

Invited Lectures:

1. Suction blister grafting technique of vitiligo surgery, PGPDT (Post Graduate Procedural Dermatology Training) Workshop, 29th August, 2021
2. 'How to give good surgical scar', Dermatosurgery workshop, DERMACON 2022 ,30th January 2022

Resource Faculty:

1. Panel discussion on basic dermatosurgery, Workshop Dermacon 2022, 30th January 2022
2. Quizmaster, IADVL GSK National Quiz programme for state of Telangana in 2021-2022 session.
3. Quizmaster in Dermatopathology workshop, AIIMS Bhopal, 24th February 2022.

Research Project:

Ongoing:

As Principal Investigator:

1. Comparison of Autologous Non-Cultured Non Trypsinized Epidermal Cell Suspension NCNTECS (also known as Jodhpur Technique) vs Autologous Non- Cultured Epidermal Cell Suspension NCECS in the treatment of stable vitiligo –a Multicenter interventional study across India" (IADVL)
2. A descriptive observational study to correlate changes of nail fold capillaroscopy with systemic micro-angiopathy in type 2 diabetes mellitus patients.

As Co-Investigator:

1. 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.

Membership/Post in Journal or Society or Association -

1. Member; IADVL 'Special Interest Group in Dermatosurgery'
2. Member; International Society of Pediatric Dermatology

National/ International Conferences attended:

1. Annual Meeting of Dermatopathology Society of India, Department of Dermatology, Venereology & Leprology and Pathology, AIIMS Jodhpur, on 14th-15th January 2022. (Online)
2. Participated in 50th national conference of Indian association of dermatologists, venereologists and Leprologists (e-DERMACON 2022), 4th - 6th February 2022. (Online)
3. Workshop in 50th national conference of Indian association of dermatologists, venereologists and Leprologists (e-DERMACON 2022) held virtually on 30th January 2022. (Online)
4. PGPDT (Post Graduate Procedural Dermatology Training) Workshop, 29th August 2021

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	Associate Professor
5	Dr.Sarbesh Tiwari	Assistant Professor
6	Dr. Rengarajan Rajagopal	Assistant Professor

About the Department

The department provides high end diagnostic and intervention services. The new 3 tesla MRI machine was installed in month of January 2022, in the for emergency and trauma wing of the hospital. This is one of state-of-art machines with advanced sequences for imaging.

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 neuro-interventional procedures have seen a steady increase in the past year.
- Advanced cardiac MR imaging is being done for adults and children with complex cardiac disorders.
- The various vascular interventional procedures done in the department include a wide spectrum namely intracranial aneurysm coiling, carotid artery stenting, pre-operative embolization for vascular tumors, advanced aortic procedures, embolization for bronchial arteries, gastrointestinal bleeders, post-partum hemorrhage etc., TACE for hepatocellular carcinomas, interventions for portal hypertension namely TIPS and BRTO, various interventions for peripheral arterial disease such as aorto-iliac and peripheral arterial angioplasties and stenting and thrombolysis for critical limb ischemia, sclerotherapy for vascular malformations and various image guided pain management procedures.

During the current year, total 5 students completed fellowship courses in Abdominal Radiology, Neuroradiology, Cardiothoracic and Pediatric Radiology. DM course in Interventional Radiology has started with two candidates joining in the January 2022. Fellowship in Women's Imaging has been approved for the July 2022 session.

The department runs outdoor services, specialized clinic (for peripheral vascular diseases) 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.

Publications from the department

1. Khera PS, Garg PK, Tiwari S, Bhargava N, Yadav T, Sureka B, et al. Retrograde Transvenous Obliteration of Gastric Varices using Sodium Tetradecyl Sulphate: Technical Considerations and Results from a Single Institution Retrospective Study. Journal of Clinical Interventional Radiology ISVIR. 2022;6(01):10–7.
2. Khera PS, Garg PK, Babu S, Elhence P, Tiwari S, Shyamkumar N. Fibro Adipose Vascular Anomaly: A Rare and Often Misdiagnosed Entity. Indian Journal of Radiology and Imaging. 2021;31(03):776–81.
3. Sureka B, Nag VL, Garg MK, Tak V, Banerjee M, Bishnoi A, Misra S. Rational use of PPE and preventing PPE related skin damage. J Family Med Prim Care. 2021 Apr;10(4):1547-1553. doi: 10.4103/jfmpc.jfmpc_1772_20. Epub 2021 Apr 29. PMID: 34123890; PMCID: PMC8144757.

4. Sureka B, Misra S. N95 respirator or triple layer surgical mask: Radiologist perspective. Indian J Radiol Imaging. 2021 Jan;31(Suppl 1):S198-S203. doi: 10.4103/ijri.IJRI_350_20. Epub 2021 Jan 23. PMID: 33814784; PMCID: PMC7996693.
5. Sureka B, Garg PK, Saxena S, Garg MK, Misra S. Role of radiology in RT-PCR negative COVID-19 pneumonia: Review and recommendations. J Family Med Prim Care. 2021 May;10(5):1814-1817. doi: 10.4103/jfmpc.jfmpc_2108_20. Epub 2021 May 31.PMID: 34195108; PMCID: PMC8208214.
6. Sureka B, Tiwari S, Garg PK, Yadav T, Khera PS, Tak V, Misra S. COVID-19 pandemic: Cleaning and disinfection - What should the radiologist know? Indian J Radiol Imaging. 2021 Jan;31(Suppl 1):S207-S211. doi: 10.4103/ijri.IJRI_334_20.Epub 2021 Jan 23. PMID: 33814786; PMCID: PMC7996686.
7. Sureka B, Tak V, Nag VL, Rani R, Garg MK, Misra S. Suraksha Chakra: A new scoring system to protect the healthcare workers from COVID. J Family Med Prim Care. 2021 Apr;10(4):1512-1514. doi: 10.4103/jfmpc.jfmpc_1768_20. Epub 2021 Apr 29. PMID: 34123883; PMCID: PMC8144755.
8. Sureka B, Garg MK, Misra S. Cleaning and Disinfection of CT Equipment During the Coronavirus Disease (COVID-19) Pandemic. AJR Am J Roentgenol. 2021 Jan;216(1):W9. doi: 10.2214/AJR.20.24947. PMID: 33347347.
9. Sureka B, Garg PK, Khera PS, Sinha A, Misra S. Rationalizing personal protective equipment (PPE) in radiology in the time of COVID-19. Indian J Radiol Imaging. 2021 Jan;31(Suppl 1):S204-S206. doi: 10.4103/ijri.IJRI_443_20. Epub 2021 Jan 23. PMID: 33814785; PMCID: PMC7996676.
10. Sureka B, Jha S, Yadav A, Varshney V, Soni S, Vishnoi JR, Yadav T, Garg PK, Khera PS, Misra S. MDCT evaluation of pancreatic contour variations in head, neck, body and tail: surgical and radiological significance. Surg Radiol Anat.2021 Sep;43(9):1405-1412. doi: 10.1007/s00276-021-02735-4. Epub 2021 Mar 18.PMID: 33738524.
11. Garg PK, Khera PS, Saxena S, Sureka B, Garg MK, Nag VL, Purohit A, Dutt N, Tiwari S, Yadav T, Singh S, Misra S. Chest-X-ray-Based Scoring, Total Leukocyte Count, and Neutrophil-to-Lymphocyte Ratio for Prediction of COVID-19 in Patients with Severe Acute Respiratory Illness. Turk Thorac J. 2021 Mar;22(2):130-136. doi: 10.5152/TurkThoracJ.2021.20239. Epub 2021 Mar 1. PMID: 33871336; PMCID: PMC8051298.
12. Garg PK, Tiwari S, Ghosh TS, Patel S, Sharma A, Khera PS. Cascade of Complications Following Carotid Body Tumor Excision. Neurointervention. 2021;16(3):298.
13. Yadav T, Rajagopal R. Functional Assessment with Fetal Cardiac MRI in Congenital Diaphragmatic Hernia. Radiology. 2022 Feb;302(2):275.
14. Yadav T, Tiwari S, Gupta A, Garg PK, Khera PS, Rajagopal R, et al. Magnetic Resonance Imaging in Coronavirus Disease-2019 Associated Rhino-Orbital-Cerebral Mucormycosis (CA-ROCM)-Imaging Analysis of 50 Consecutive Patients. Current Problems in Diagnostic Radiology. 2022;51(1):112–20.
15. Tiwari S, Dubey P, Swami MK, Yadav T. Classical Imaging Finding in Marchiafava Bignami Disease. Neurol India. 2021 Nov-Dec;69(6):1627-28.
16. Tiwari S, Arimbrakkunnan M, Yadav T, Vyas V, Rathod KK, Vishwajeet V. Thoracic ganglioneuroma presenting with paraneoplastic cerebellitis and ROHHAD-NET syndrome. Annals of Indian Academy of Neurology. 2022;25(2):307.
17. Rajagopal R, Agarwal R, Royal N, Bagarhatta M. Intrapulmonary Right Vertical Vein in Supracardiac Total Anomalous Pulmonary Venous Connection with Right Isomerism. Radiol Cardiothorac Imaging. 2021 Apr 8;3(2):e200601. doi: 10.1148/ryct.2021200601. PMID: 33969315; PMCID: PMC8098089.
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21. Islam GMN, Yadav T, Khera PS, Sureka B, Garg PK, Elhence P, Puranik A, Singh K, Singh S. Abbreviated MRI in patients with suspected acute appendicitis in emergency: a prospective study. Abdom Radiol (NY). 2021 Nov;46(11):5114-5124. doi: 10.1007/s00261-021-03222-5. Epub 2021 Aug 11. PMID: 34379149.
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23. Varshney VK, Yadav T. Ileo-ureteric with Ileo-uterine fistula: Double trouble. Indian J Med Res. 2021 Apr;153(4):508-509.
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82. Khera S, Elhence P, Yadav T, Pandey H. Tubulocystic Renal Cell Carcinoma: An Underrecognized Clinicopathologic Entity. Ochsner J Feb 2022.
83. 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. 2022. Available online 11 March 2022.
84. Choudhary GR, Jena R, Likhiteswer P, Gupta P, Pandey H, Yadav T, Madduri VK, Singh M. Patient REnal and Tumor Attribute Score (PRETA Score): a comprehensive renal nephrometry score for use in patients with renal masses planned for minimally invasive nephron sparing surgery. Journal of Robotic Surgery. 2022 Mar 5:1-8.

85. Varshney VK, Nayar R, Yadav T, Khera S. Duodenal gastrointestinal stromal tumour imitating as pancreatic head tumour. BMJ Case Rep. 2022 Mar 1;15(3):e248828.
86. Bharti JN, Choudhary GR, Madduri VK, Yadav T. Mucinous tubular and spindle cell carcinoma: A difficult diagnosis. Urol Ann 2021;13(2):180-2
87. Kumar M, Nalwa A, Yadav T, Elhence P, Pandey H, Rao M. Primary Chondrosarcoma in L-shaped Crossed Fused Renal Ectopia Coexisting with Papillary Urothelial Carcinoma in Urinary Bladder–An Enigmatic Entity with Poor Prognosis. Journal of kidney cancer and VHL. 2022;9(1):9.
88. Gosal JS, Garg M, Tiwari S, Das KK, Jha DK. White epidermoid: an important radiological mimic of the dermoid. Child's Nervous System. 2021;37(3):737–8.
89. Khera D, Didel S, Panda S, Tiwari S, Singh K. Concurrent longitudinally extensive transverse myelitis and Guillain-Barré syndrome in a child secondary to COVID-19 infection: a severe neuroimmunologic complication of COVID-19. The Pediatric Infectious Disease Journal. 2021;40(6):e236–9.
90. Patel A, Panda S, Tiwari S. De-novo bibrachial choreo-dystonic attacks due to sudden dopaminergic load. Clinical Neurology and Neurosurgery. 2021;202:106479.
91. Sharma S, Ruparelia J, Bhaskar S, Tiwari S, Nag VL, Panda S. Acute Fulminant Cerebellitis in Paediatric COVID-19 Infection-rare, yet a potentially treatable clinical entity. Pediatric Neurology. 2021
92. Vijayvergia P, Vijayan N, Midha NK, Kumar D, Gopalakrishnan M, Tiwari S, et al. Methicillin-sensitive staphylococcus aureus pyogenic iliopsoas abscesses: a case series from Jodhpur, India. Infectious Disorders-Drug Targets (Formerly Current Drug Targets-Infectious Disorders). 2021;21(5):105–9.
93. Bamnawat H, Khera D, Didel S, Tiwari S. Paediatric acute haemorrhagic leukoencephalitis. BMJ Case Reports CP. 2022;15(6):e246654.
94. Sharma S, Panda S, Tiwari S. Dilemmas in acute-onset chronic inflammatory demyelinating polyneuropathy: A new axonal variant? Annals of Indian Academy of Neurology. 2022;25(3):515.
95. Vegda M, Panda S, Tiwari S, Shukla K, Pamnani J, Bhaskar S. Cerebral Ptosis: A Revisit. Neurology India. 2022;70(3):1166.
96. Relan J, Gupta SK, Rajagopal R, Ramakrishnan S, Gulati GS, Kothari SS, Saxena A, Sharma S, Rajashekar P, Anderson RH. Clarifying the anatomy of the superior sinus venosus defect. Heart. 2022 May;108(9):689-694. doi: 10.1136/heartjnl-2021-319334. Epub 2021 Aug 20. PMID: 34417206.
97. Patel S, Das A, Rajagopal R, Meena D, Bhukar RK, Purohit PM, Sharma AK. Successful open surgical repair of large ilio-caval fistula presenting with congestive heart failure. Indian J Thorac Cardiovasc Surg. 2022 Jan;38(1):96-98. doi: 10.1007/s12055-021-01268-0. Epub 2021 Oct 23. PMID: 34898885; PMCID: PMC8630128.

Name of Faculty: Dr Pushpinder S Khera
Designation: Professor and Head of the department

Invited Lectures

1. Case-Based Discussion: Imaging and Interventions in Abdominal Emergencies. World congress of Emergency Radiology 2021 under the aegis of Society for Emergency Radiology. 25th April September 2021. (Online)
2. Endovascular procedures in peripheral vascular diseases. MAMC Surgery Update, organised by Department of Surgery, Maulana Azad Medical College, New Delhi.,22nd Sept 2021.
3. Basics of Interventional Radiology for residents. State IRIA Mid-term CME and residents conclave, Jaipur,17th-18th Oct 2021.

4. Imaging spectrum-CNS Venous system variants.74th National IRIA Conference, Bangalore,24th-27th March 2022.

Resource Faculty/Examiner:

1. External examiner for MD Radiology exam at AIIMS, Bhopal, Dec 2021.
2. Resource faculty for Rajasthan Public Service Commission (RPSC) recruitment in the subject of Radiology, April 2021.

Fellowship degree awarded during the period:

1. **European Board of Interventional Radiology**, awarded by Cardiovascular and Interventional Society of Europe (CIRSE) after qualifying the exam conducted by CIRSE.

Papers/E-poster Presented:

1. A. Hegde, S. Tiwari, P. K. Garg, P. S. Khera, T. Yadav, B. Sureka, Rajagopal R. Cerebrofacial venous metameric syndrome: A pictorial review of these uncommon entity. 23rd Annual Conference of Indian Society of Neuroradiology (ISNR).
2. S. Charan, P. K. Garg, T. Yadav, P. S. Khera, S. Tiwari, B. Sureka, R. Rajagopal. Structured Two phase reporting format in blunt torso trauma. European Congress of Radiology (ECR) 2022, Vienna.
3. P. Malik, P. K. Garg, T. Yadav, B. Sureka, P. S. Khera, R. Rajagopal. The mystical mesenteric arteries: Unwinding the magic through a radiologist's perspective. European Congress of Radiology (ECR) 2022, Vienna.
4. S. Sharma, R. Rajagopal, P. K. Garg, T. Yadav, P. S. Khera, S. Tiwari, B. Sureka, V. S. Arunachalam. Revisiting Cyanotic Congenital Heart diseases: A Pictorial Review. European Congress of Radiology (ECR) 2022, Vienna.
5. S. Charan, T. Yadav, P. K. Garg, P. S. Khera, S. Tiwari, B. Sureka, R. Rajagopal. Imaging in congenital anomalies of female genital tract: Classification and pictorial review. European Congress of Radiology (ECR) 2022, Vienna.
6. V. S. Arunachalam, P. S. Khera, P. K. Garg, S. Tiwari, R. Rajagopal, T. Yadav, S. Sharma, T. S. GHOSH, S. Gowda. Renal Vascular Anatomy and Endovascular Interventions - A Primer for Interventional Radiologists. European Congress of Radiology (ECR) 2022, Vienna.
7. A. Hegde, P. K. Garg, T. Yadav, P. S. Khera, S. Tiwari, B. Sureka, Rajagopal R, P. Malik, S. Chawla. PI3K/AKT/mTOR pathway and congenital malformation syndrome-What radiologist should know. Annual Rajasthan State IRIA conference, 18-19th December 2021.

Research Project:

Ongoing:

Principal Investigator

1. Multicentric Trial on "Clinical Trial of the Content-based Image Retrieval-based Computer Aided Diagnosis (CBIR-CAD) for lung nodules and ILD patterns" at IIT Kharagpur, AIIMS Jodhpur, SGPGI Lucknow and IIT Patna (Submitted to Ministry of Electronics and Informative Technology, India). Extramural Project
2. Safety and Efficacy of Transarterial Chemoembolization with Lipiodol® in the treatment of inoperable Hepatocellular Carcinoma (HCC) in Indian Patients, Phase IV Clinical Trial. Extramural Project

Co-Principal Investigator

1. To assess the various imaging features of Covid-19 on Computed Tomography (CT) scan in moderate or severely symptomatic patients. Non-funded Project
2. Convolutional Neural Network based Model with Transfer Learning approach for detection of COVID-19 using Chest X-Rays. Non-funded Project
3. Retrospective data charting of Chest X-ray and Hemogram for prediction of Covid-19 in patients presenting with clinical features of SARI (Severe acute respiratory infection). Non-funded Project

Membership/Post in Journal or Society or Association

1. Life Member; Indian Radiological and Imaging Association
2. Life Member; Indian Society of vascular and Interventional Radiology (ISVIR)
3. Life Member; Society for Chest Imaging and Interventions in India(SCII)
4. Life Member, Indian Society of Pediatric Radiology(ISPR)
5. Corresponding member; European Society of Radiology (ESR)
6. Member; Cardiovascular and Interventional Society of Europe (CIRSE)
7. Section Editor; Journal of Clinical Interventional Radiology

National/ International Conferences attended

1. World congress of Emergency Radiology 2021 under the aegis of Society for Emergency Radiology. 25th April September 2021. (Online)
2. MAMC Surgery Update, organised by Department of Surgery, Maulana Azad Medical College, New Delhi.,22nd Sept 2021.
3. State IRIA Mid-term CME and residents conclave, Jaipur,17$^{th-18th}$ Oct 2021.
4. 74th National IRIA Conference, Bangalore,24th-27th March 2022.

Name of Faculty: Dr Binit Sureka
Designation: Additional Professor

Posters:

1. EE-090 - Can Abdominal Radiologists resolve Chronic Pancreatitis versus Pancreatic Carcinoma conundrum? Let's review the imaging signs in pancreatic imaging DOI 10.5444/esgar2021/ee-090
2. EE-014 - Ultrasound -Beating pulse for the Residents in ER for Abdominal Pain DOI 10.5444/esgar2021/ee-014
3. EE-083 - Surpassing the "double duct sign": Multimodality imaging update on Periampullary cancers-Can imaging signs predict origin of the tumor? DOI 10.5444/esgar2021/ee-083
4. EE-075 - BODY MR ARTIFACTS: Balancing efficiency and quality, keeping it simple and classy. DOI 10.5444/esgar2021/ee-075

Invited Lectures and Academic Responsibilities

1. Invited faculty to deliver lecture on Can Abdominal Radiologist solve chronic pancreatitis and pancreatic carcinoma conundrum? at Udaipur Chapter of Radiology at 30th July 2021
2. Invited faculty to deliver lecture on Best cases from workstation at Udaipur Chapter of Radiology at 30th July 2021
3. Delivered a lecture on Understanding Research Metrics and Impact Factor in the Webinar Organised By Indian College of Radiology and Imaging 8th August 2021
4. Delivered lecture on Interesting cases in bowel imaging in the Webinar Organised by Delhi State Chapter of IRIA 9th October 2021
5. Invited Faculty to speak on Signs in Abdominal Radiology at Raj-IRIA Mid-Term CME & Residents Conclave 2021, Jaipur – 17th October 2021
6. Chairman Scientific Committee 28th Annual Rajasthan State IRIA Conference 18th -19th December 2021 (Virtual)
7. Lecture on Impact factor and research metrics at the 28th Annual Rajasthan State IRIA Conference 18th -19th December 2021 (Virtual)
8. Oral paper and E-poster judge at the 28th Annual Rajasthan State IRIA Conference 18th -19th December 2021 (Virtual)
9. Invited faculty to speak on Imaging in Renal Vasculature at the 74th Annual Conference IRIA 2022 - Bengaluru 24th -27th March 2022
10. Member of Quality and Safety in Radiology Committee of Indian Radiological & Imaging Association for the year 2021

Research Project:

Ongoing:

Chief Investigator: **One**

1. Can CT and MRI determine the origin of Periampullary 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

Scientific Awards/Patents

1. Certificate of Appreciation for services during second wave of COVID-19 on Doctor day 1st July 2021 by the Satyamev Jayate Citizen Society at Jodhpur
2. Marwar Health Icon Award in Radiology by The times of India at Jodhpur – 31st August 2021
3. Scientific Exhibition Award at the Korean Congress of Radiology 2021, Seoul, Korea, 1st -4th Sept 2021
4. Live Diagnosis Challenge Award for Mirizzi induced Bouveret Syndrome at the Korean Congress of Radiology 2021, Seoul, Korea, 1st -4th Sept 2021
5. Live Diagnosis Challenge Award for Colonic Mucormycosis at the Korean Congress of Radiology 2021, Seoul, Korea, 1st -4th Sept 2021
6. Excellence Award by the Udaipur Chapter of Radiology 30th December 2021

7. Excellence in Radiology Award by the Hon'ble Shri Mansukh Mandaviya, Union Minister for Health & Family Welfare and Chemicals and Fertilizers, Government of India in young clinician category at the XII Annual Conference of Global Association of Physicians of Indian Origin (GAPIO) for the year 2022 – Virtual program – 26th February 2022
8. Best Poster Award for Innovation award for Customized PPE at the 4th Annual International Conference of Association for Medical Updates at Udaipur – 11th -13th March 2022
9. Dr. Diwan Chand Aggarwal Memorial Oration 2022 for Can CT and MRI determine the origin of Periampullary Carcinomas? Retrospective study to determine the key imaging features at the 74th Annual Conference IRIA 2022 - Bengaluru 24th -27th March 2022
10. Dr. Ashok Mukherjee Award for Quantitative contrast-enhanced perfusion kinetics in Multi-parametric MRI in differentiating prostate cancer from chronic prostatitis at the 74th Annual Conference IRIA 2022 - Bengaluru 24th -27th March 2022
11. Certificate of Appreciation for contributions to the Quality and Safety in Radiology Committee of IRIA for the year 2021

Examinership

1. External examiner for Practical Exam MD Radiodiagnosis Dr S.N. Medical College, Jodhpur
2. External examiner for Thesis Evaluation MD Radiodiagnosis SPMC, Bikaner

Membership/Post in Journal or Society or Association

1. Fellow of European Society of Gastrointestinal & Abdominal Radiology (ESGAR)
2. Fellowship Indian College of Radiology & Imaging (FICR)

National/ International Conferences attended:

International (Virtual Conference)

1. European Society of gastrointestinal and Abdominal Radiology (ESGAR) 2021 (Virtual)
2. Korean Congress of Radiology 2021 (Virtual)
3. Asian Oceanian Congress of Radiology (Virtual)

National

1. 74th National Annual Conference of Indian Radiological & Imaging Association

Name of Faculty: Dr Pawan Garg
Designation: Additional Professor

Posters:

1. A. Hegde, P. K. Garg, P. S. Khera, T. Yadav, S. Tiwari, T. Ghosh, S. Saxena, P. Malik. Clinical Radiologists' Perspective of ISSVA classification of vascular anomalies and its management: Cutting through the clutter. Radiological Society of North America (RSNA), 107th Scientific Assembly and Annual Meeting at Chicago, November 28-December 2, 2021.

2. A. Gupta, P. K. Garg, S. Tiwari, P. S. Khera, M. K. Garg, G. K. BOHRA, S. Panda. Multiphase Computed Tomography Angiography in Acute Ischemic Stroke: Beyond Collaterals Can It Obviate the Need for Computed Tomography Perfusion? Radiological Society of North America (RSNA), 107th Scientific Assembly and Annual Meeting at Chicago, November 28-December 2, 2021.
3. A. Gupta, P. K. Garg, S. Tiwari, P. S. Khera, M. K. Garg, G. K. BOHRA, S. Panda. Multiphase Computed Tomography Angiography in Acute Ischemic Stroke: A comprehensive review of experiences of a tertiary care centre in India. European Congress of Radiology (ECR) 2022, Vienna.
4. S. Charan, P. K. Garg, T. Yadav, P. S. Khera, S. Tiwari, B. Sureka, R. Rajagopal. Structured Two phase reporting format in blunt torso trauma. European Congress of Radiology (ECR) 2022, Vienna.
5. P. Malik, P. K. Garg, T. Yadav, B. Sureka, P. S. Khera, R. Rajagopal. The mystical mesenteric arteries: Unwinding the magic through a radiologist's perspective. European Congress of Radiology (ECR) 2022, Vienna.
6. A. Gupta, S. Tiwari, P. K. Garg, T. Yadav, P. S. Khera. Detangling the rings: Imaging evaluation of cerebral ring enhancing lesions with basic and advanced MRI sequences. European Congress of Radiology (ECR) 2022, Vienna.
7. S. Sharma, R. Rajagopal, P. K. Garg, T. Yadav, P. S. Khera, S. Tiwari, B. Sureka, V. S. Arunachalam. Revisiting Cyanotic Congenital Heart diseases: A Pictorial Review. European Congress of Radiology (ECR) 2022, Vienna.
8. S. Charan, T. Yadav, P. K. Garg, P. S. Khera, S. Tiwari, B. Sureka, R. Rajagopal. Imaging in congenital anomalies of female genital tract: Classification and pictorial review. European Congress of Radiology (ECR) 2022, Vienna.
9. V. S. Arunachalam, P. S. Khera, P. K. Garg, S. Tiwari, R. Rajagopal, T. Yadav, S. Sharma, T. S. GHOSH, S. Gowda. Renal Vascular Anatomy and Endovascular Interventions - A Primer for Interventional Radiologists. European Congress of Radiology (ECR) 2022, Vienna.
10. S. Saxena, P. S. Khera, P. K. Garg, T. Yadav, S. A. Jha, A. Singh. A primer for USG guided shoulder interventions: What radiologists need to know? European Congress of Radiology (ECR) 2022, Vienna.
11. S. Sharma, S. Tiwari, P. S. Khera, T. Yadav, P. K. Garg, B. Sureka. Vessels here, Vessels there, Vessels Everywhere – Radiological Evaluation and Classification of Cerebral Arteriovenous Malformations. European Congress of Radiology (ECR) 2022, Vienna.
12. A. Hegde, P. K. Garg, T. Yadav, P. S. Khera, S. Tiwari, B. Sureka, R. Rengarajan, P. Malik, S. Chawla. PI3K/AKT/mTOR pathway and congenital malformation syndrome-What radiologist should know. Annual Rajasthan State IRIA conference, 18-19th December 2021.

Invited Lectures and Academic Responsibilities

1. "Carotid blow out" during Indian Society of Vascular and Interventional Radiology (ISVIR) annual conference in Goa on 31st March 2022
2. "Non-traumatic Airway Emergencies" during Society of Chest Imaging and Interventions annual conference on 17th October 2021.
3. "Lymphangiography for post-surgical chylous leak" during International day of radiology (IDoR) on 8th Nov 2021 organized by Rajasthan IRIA.
4. "Imaging and Interventions in Head and Neck Emergencies" during Annual Rajasthan State IRIA conference, 18-19th December 2021.

Fellowship degree awarded during the period:

1. **European Board of Interventional Radiology**, awarded by Cardiovascular and Interventional Society of Europe (CIRSE) after qualifying the exam conducted by CIRSE.

Research Project:

Ongoing:

Chief Investigator:

1. To assess the various imaging features of Covid-19 on Computed Tomography (CT) scan in moderate or severely symptomatic patients
2. Convolutional Neural Network based Model with Transfer Learning approach for detection of COVID-19 using Chest X-Rays

Co-Investigator:

1. Multicentric Trial on "Clinical Trial of the Content-based Image Retrieval-based Computer Aided Diagnosis (CBIR-CAD) for lung nodules and ILD patterns" at IIT Kharagpur, AIIMS Jodhpur, SGPGI Lucknow and IIT Patna (Submitted to Ministry of Electronics and Informative Technology, India).
2. "Safety and Efficacy of Transarterial Chemoembolization with Lipiodol® in the treatment of inoperable Hepatocellular Carcinoma (HCC) in Indian Patients, Phase IV Clinical Trial"

Scientific Awards/Patents

1. Certificate of Merit awarded to S. Sharma, P. K. Garg, R. Rajagopal, P. S. Khera, T. Yadav, S. Tiwari, B. Sureka, V. S. Arunachalam. Imaging and Interventions in Hemoptysis: What a Radiologist should know? European Congress of Radiology (ECR) 2022, Vienna.
2. Certificate of Merit awarded to S. Charan, P. K. Garg, P. S. Khera, T. Yadav, B. Sureka, R. Rajagopal, S. Tiwari. Imaging in blunt trauma to liver and spleen in adults: AAST 2018 classification and role of interventional radiology in their management. European Congress of Radiology (ECR) 2022, Vienna.

Membership/Post in Journal or Society or Association

1. Corresponding member of European Society of Radiology (ESR)
2. Annual membership of Cardiovascular and Interventional Society of Europe (CIRSE).

National/ International Conferences attended:

1. Indian Society of Vascular and Interventional Radiology (ISVIR) annual conference in Goa on 31st March- 3rd April 2022
2. Society of Chest Imaging and Interventions annual conference on 17th October 2021.
3. International day of Radiology (IDoR) on 8th Nov 2021 organized by Rajasthan IRIA.
4. Annual Rajasthan State IRIA conference, 18-19th December 2021.

Name of Faculty: Dr Taruna Yadav
Designation: Associate Professor

Posters:

1. First prize in oral paper presentation by A. Arora, T. Yadav, P. S. Khera, S. Tiwari, P. K. Garg at 19th annual national conference of Indian society of pediatric radiology (ISPR) at Chennai, from 30-31 October 2021.

2. Second prize in senior resident category in oral paper presentation by K. Goyal, T. Yadav, P. S. Khera, P. K. Garg, S. Tiwari, at 19th annual national conference of Indian society of pediatric radiology (ISPR) at Chennai, from 30-31 October 2021
3. A. Hegde, P. K. Garg, P. S. Khera, T. Yadav, S. Tiwari, T. Ghosh, S. Saxena, P. Malik. Clinical Radiologists' Perspective of ISSVA classification of vascular anomalies and its management: Cutting through the clutter. Radiological Society of North America (RSNA), 107th Scientific Assembly and Annual Meeting at Chicago, November 28-December 2, 2021.
4. A. Gupta, P. K. Garg, S. Tiwari, P. S. Khera, M. K. Garg, G. K. BOHRA, S. Panda. Multiphase Computed Tomography Angiography in Acute Ischemic Stroke: Beyond Collaterals Can It Obviate the Need for Computed Tomography Perfusion? Radiological Society of North America (RSNA), 107th Scientific Assembly and Annual Meeting at Chicago, November 28-December 2, 2021.
5. A. Gupta, P. K. Garg, S. Tiwari, P. S. Khera, M. K. Garg, G. K. BOHRA, S. Panda. Multiphase Computed Tomography Angiography in Acute Ischemic Stroke: A comprehensive review of experiences of a tertiary care centre in India. European Congress of Radiology (ECR) 2022, Vienna.
6. S. Charan, P. K. Garg, T. Yadav, P. S. Khera, S. Tiwari, B. Sureka, R. Rajagopal. Structured Two phase reporting format in blunt torso trauma. European Congress of Radiology (ECR) 2022, Vienna.
7. P. Malik, P. K. Garg, T. Yadav, B. Sureka, P. S. Khera, R. Rajagopal. The mystical mesenteric arteries: Unwinding the magic through a radiologist's perspective. European Congress of Radiology (ECR) 2022, Vienna.
8. A. Gupta, S. Tiwari, P. K. Garg, T. Yadav, P. S. Khera. Detangling the rings: Imaging evaluation of cerebral ring enhancing lesions with basic and advanced MRI sequences. European Congress of Radiology (ECR) 2022, Vienna.
9. S. Sharma, R. Rajagopal, P. K. Garg, T. Yadav, P. S. Khera, S. Tiwari, B. Sureka, V. S. Arunachalam. Revisiting Cyanotic Congenital Heart diseases: A Pictorial Review. European Congress of Radiology (ECR) 2022, Vienna.
10. S. Charan, T. Yadav, P. K. Garg, P. S. Khera, S. Tiwari, B. Sureka, R. Rajagopal. Imaging in congenital anomalies of female genital tract: Classification and pictorial review. European Congress of Radiology (ECR) 2022, Vienna.

Invited Lectures and Academic Responsibilities

1. Invited as faculty to give multiple lectures for "Training of trainer (ToT)" screening of common cancers programme for the medical officers at AIIMS Jodhpur. Conducted 2 sessions on 08/06/2021, 23/2/2022. Topics were "Screening mammography" and "Role of ultrasound and MRI in breast imaging".
2. Speaker on "Imaging of malignant lesions of esophagus" on 17/04/2021 organized by ICRI/IRIA.
3. Faculty for DNB students (NBEMS Webinar) on 6/5/2021- Topic - "congenital chest abnormalities".
4. Speaker on "Imaging approach in limping child" on 18/8/2021 organized by ICRI/IRIA.
5. Invited as faculty to give a lecture in SONOSUMMIT 2021, from 27-29th August 2021 "Ultrasound in Vascular Malformations & Mimics - Simple to Complex".
6. Contributed to the quiz conducted by IRIA Rajasthan state chapter on 29/8/2021.
7. Invited to conduct a quiz on topic – "Acute breathlessness" on 17/10/21 in 3rd annual conference of society of chest imaging and interventions (SCII).
8. Invited as faculty to give a lecture on "Approach to neonatal jaundice" in annual Rajasthan state IRIA conference on 18-19th December 2021.
9. Invited as faculty to give a lecture for DNB (NBEMS Webinar) students on 23/12/2021 on the topic of "Imaging in primary amenorrhea".
10. Speaker on "Imaging of malignant lesions of esophagus" on 26/02/2022 organized by ICRI/IRIA.

Research Project:

Ongoing:

Chief Investigator:

1. Retrospective analysis of rhino-orbital-cerebral mucormycosis during COVID pandemic - Published.
2. Retrospective analysis of anatomical variations of neck vessels on CT in cases of aberrant subclavian artery.
3. Retrospective study of association between anomalous pancreaticobiliary junction (APBJ) and choledochal cysts on MRCP.

Co-Investigator:

1. Imaging of Covid-19 associated Mucormycosis (CAM).
2. Retrospective evaluation of neuroimaging findings in patients admitted with Covid-19 infection.
3. Retrospective evaluation of neuroimaging findings in patients admitted with Covid-19 infection.
4. Pre-operative assessment of ear and rib cage by HRCT Temporal bone and CT thorax in patients of congenital pinna and EAC malformations.
5. To study the clinical and laboratory profile of head and neck invasive fungal infections and their outcome.
6. Clinico-radiological manifestations and surgical management of Covid-19 patients developing subcutaneous emphysema.
7. Clinical profile and predictors of morbidity and mortality in patients with COVID-19 associated cavitating lung disease.
8. Renal mucormycosis presenting during COVID 19 pandemic: Analysis of clinical features, natural history and prognostic markers.
9. Indian Multiple Sclerosis And Allied Demyelinating Disorders Registry And Research Network.

Scientific Awards/Patents

1. Dr Ankit arora won the first prize in post graduate category in oral paper presentation at 19th annual national conference of Indian society of pediatric radiology (ISPR) conducted at Chennai, from 30-31 october, 2021 under my guidance.
2. Dr Kanav Goyal won the second prize in senior resident category in oral paper presentation at 19th annual national conference of Indian society of pediatric radiology (ISPR) conducted at Chennai, from 30-31 october, 2021 under my guidance.

Membership/Post in Journal or Society or Association

1. Membership of European Society of Radiology
2. Membership of Breast imaging society of India

National/ International Conferences attended:

1. World congress of Emergency Radiology -23-25 April 2021.
2. SPIN – Seminars in Pediatric Imaging 2021 course from 23-24 july 2021.
3. ESER Virtual Congress - European Society of Emergency Radiology Congress 2021 on December 10, 2021.

National:

1. Attended 3rd annual national conference of society of chest imaging and interventions (SCII) 2021 in October 2021.
2. Attended 19th annual national conference of Indian society of pediatric radiology (ISPR) conducted at Chennai, from 30-31 october, 2021.

Name of Faculty: Dr Sarbesh Tiwari
Designation: Associate Professor

Posters:

1. First prize in oral paper presentation by A. Arora, T. Yadav, P. S. Khera, S. Tiwari, P. K. Garg at 19th annual national conference of Indian society of pediatric radiology (ISPR) at Chennai, from 30-31 October 2021.
2. Second prize in senior resident category in oral paper presentation by K. Goyal, T. Yadav, P. S. Khera, P. K. Garg, S. Tiwari, at 19th annual national conference of Indian society of pediatric radiology (ISPR) at Chennai, from 30-31 October 2021
3. A. Gupta, P. K. Garg, S. Tiwari, P. S. Khera, M. K. Garg, G. K. BOHRA, S. Panda. Multiphase Computed Tomography Angiography in Acute Ischemic Stroke: Beyond Collaterals Can It Obviate the Need for Computed Tomography Perfusion? Radiological Society of North America (RSNA), 107th Scientific Assembly and Annual Meeting at Chicago, November 28-December 2, 2021.
4. A. Gupta, P. K. Garg, S. Tiwari, P. S. Khera, M. K. Garg, G. K. BOHRA, S. Panda. Multiphase Computed Tomography Angiography in Acute Ischemic Stroke: A comprehensive review of experiences of a tertiary care centre in India. European Congress of Radiology (ECR) 2022, Vienna.
5. A. Gupta, S. Tiwari, P. K. Garg, T. Yadav, P. S. Khera. Detangling the rings: Imaging evaluation of cerebral ring enhancing lesions with basic and advanced MRI sequences. European Congress of Radiology (ECR) 2022, Vienna.
6. S. Sharma, S. Tiwari, P. S. Khera, T. Yadav, P. K. Garg, B. Sureka. Vessels here, Vessels there, Vessels Everywhere – Radiological Evaluation and Classification of Cerebral Arteriovenous Malformations. European Congress of Radiology (ECR) 2022, Vienna.
7. V. Veerendra, S. Tiwari, T. Yadav, P. S. Khera, P. K. Garg, J. Singh, S. Bhasakar. Pictorial review of the Posterior fossa tumours in Adults. European Congress of Radiology (ECR) 2022, Vienna.
8. A. JAY, S. Tiwari, T. Yadav, P. K. Garg, P. S. Khera, S. Panda, S. Bhasakar. CT predictors of hematoma expansion: Yes, we can decode it. European Congress of Radiology (ECR) 2022, Vienna.
9. S. Sharma, S. Mahal, S. Tiwari, T. Yadav, P. K. Garg, B. Sureka, P. S. Khera. Relax: It's just a normal variant. European Congress of Radiology (ECR) 2022, Vienna.
10. A. Hegde, T. Yadav, P. S. Khera, S. Tiwari, P. K. Garg, A. Chugh. Not always malignant: Radiologist's perspective and pictorial review of benign tongue lesions. Korean Congress of Radiology, 1-4 Sept 2021, Seoul, Korea.
11. A. Hegde, S. Tiwari, P. K. Garg, P. S. Khera, T. Yadav, B. Sureka, R. Rengarajan. Cerebrofacial venous metameric syndrome: A pictorial review of these uncommon entity. 23rd Annual Conference of Indian Society of Neuroradiology (ISNR).

Invited Lectures and Academic Responsibilities

1. Faculty Speaker for IRIA-ICRI Webinar- Neuroimaging in COVID-19 infection. Online event on 6th June 2021
2. Speaker at “Endocrine Refresher Programme 2021” – Pituitary Imaging. Online talk on 13th June 2021.
3. Faculty Speaker for Society of Emergency Radiology webinar Series - Neuroimaging in COVID-19 infection. Online event on 18th June 2021
4. Faculty Speaker for NBE Webinar series – Pediatric Posterior Fossa Tumor. Online event on 22nd July 2021 5.Faculty Speaker for IRIA-ICRI Webinar – Spine Radiology for Post Graduate students: Spinal Infection. Online event on 25th July 2021
5. Faculty Speaker at 4E webinar series for Endocrine Society of West Bengal – Interventional Radiology in Endocrine Practice. Online talk on 27th August 2021.
6. Faculty Speaker for Rajasthan IRIA International Day of Radiology: Imaging and Intervention in Spinal Dural AV fistula”. Online event on 8th November 2021.
7. Faculty Speaker for IRIA-ICRI Webinar – Head and Neck emergencies: A case-based review. Online event on 15th November 2021.
8. Faculty Speaker for IRIA-ICRI Webinar – Adult Orbital Pathologies. Online event on 6th December 2021.
9. Speaker at “23rd Annual Conference of Indian Society of Neuroradiology- 17th -19th December 2021”. Online talk – Imaging in orbital pathologies.
10. Faculty Speaker for Annual Rajasthan State IRIA Conference - Imaging in cerebral venous sinus thrombosis. Online event on 18th- 19th Dec 2021
11. Faculty Speaker for National Symposium on Brain Tumors – Multidisciplinary Approach - 2021 WHO CLASSIFICATION OF THE CNS TUMOR-AN UPDATE. Online event on 20th Feb 2022.
12. Faculty Speaker for Delhi State Chapter for IRIA, Neuroradiology CME – Imaging in Cranial and Spinal Vascular Malformation. Online event on 27th Feb 2022.
13. Faculty Speaker for IRIA-ICRI Webinar – Skull Base Imaging. Online event on 24th March 2022

Research Project:

Ongoing:

Chief Investigator:

1. Retrospective evaluation of neuroimaging findings in patients admitted with Covid-19 infection.

Co-Investigator:

1. Retrospective analysis of rhino-orbital cerebral mucormycosis during COVID pandemic
2. Pre-operative assessment of ear and rib cage by HRCT temporal bone and CT thorax in patient of congenital pinna and EAC malformations
3. Neurological manifestations in dengue fever, a retrospective observational study- Intramural.
4. Post COVID neurological complications in children – A Ambispective study
5. HTA of National Stroke Care Registry Programme - Development of Hospital Based Stroke Registries (HBSR) in different regions of India- Extramural (NCDIR Bengaluru)
6. Indian Multiple Sclerosis And Allied Demyelinating Disorders Registry And Research Network-Extramural (ICMR)

Scientific Awards/Patents

1. Cum Laude awarded to S. Mahal, S. Tiwari, T. Yadav, P. K. Garg, P. S. Khera, B. Sureka. Anatomy of medullary veins of the brain and their pathologies: an unexplored territory. European Congress of Radiology (ECR) 2022, Vienna.
2. Decoding The Labyrinth Of ASL: A Primer For Radiology Residents-RSNA 2021- Educational exhibit-Award Winning Poster.

Membership/Post in Journal or Society or Association

1. Life member of European Society of Neuroradiology (ESNR)
2. Life Member of American Society of Neuroradiology (ASNR).

National/ International Conferences attended:

1. Indian Society of Vascular and Interventional Radiology (ISVIR) annual conference in Goa on 31st March- 3rd April 2022
2. International day of Radiology (IDoR) on 8th Nov 2021 organized by Rajasthan IRIA.
3. 23rd Annual Conference of Indian Society of Neuroradiology on 17th - 19th December 2021

Name of Faculty: Dr Rengarajan Rajagopal
Designation: Assistant Professor

Posters:

1. A. Hegde, S. Tiwari, P. K. Garg, P. S. Khera, T. Yadav, B. Sureka, Rajagopal R. Cerebrofacial venous metameric syndrome: A pictorial review of these uncommon entity. 23rd Annual Conference of Indian Society of Neuroradiology (ISNR).
2. S. Charan, P. K. Garg, T. Yadav, P. S. Khera, S. Tiwari, B. Sureka, R. Rajagopal. Structured Two phase reporting format in blunt torso trauma. European Congress of Radiology (ECR) 2022, Vienna.
3. P. Malik, P. K. Garg, T. Yadav, B. Sureka, P. S. Khera, R. Rajagopal. The mystical mesenteric arteries: Unwinding the magic through a radiologist's perspective. European Congress of Radiology (ECR) 2022, Vienna.
4. S. Sharma, R. Rajagopal, P. K. Garg, T. Yadav, P. S. Khera, S. Tiwari, B. Sureka, V. S. Arunachalam. Revisiting Cyanotic Congenital Heart diseases: A Pictorial Review. European Congress of Radiology (ECR) 2022, Vienna.
5. S. Charan, T. Yadav, P. K. Garg, P. S. Khera, S. Tiwari, B. Sureka, R. Rajagopal. Imaging in congenital anomalies of female genital tract: Classification and pictorial review. European Congress of Radiology (ECR) 2022, Vienna.
6. V. S. Arunachalam, P. S. Khera, P. K. Garg, S. Tiwari, R. Rajagopal, T. Yadav, S. Sharma, T. S. GHOSH, S. Gowda. Renal Vascular Anatomy and Endovascular Interventions - A Primer for Interventional Radiologists. European Congress of Radiology (ECR) 2022, Vienna.
7. A. Hegde, P. K. Garg, T. Yadav, P. S. Khera, S. Tiwari, B. Sureka, Rajagopal R, P. Malik, S. Chawla. PI3K/AKT/mTOR pathway and congenital malformation syndrome-What radiologist should know. Annual Rajasthan State IRIA conference, 18-19th December 2021.

Invited Lectures and Academic Responsibilities

1. IRIA Kochi KREST Radiological Anatomy Course 2021– Aorta Anatomy & Imaging
2. IRIA Kochi KREST Radiological Anatomy Course 2021 – Spots for PGs
3. IRIA Kerala 2021 – Cardiovascular cases for postgraduate exam
4. ICRI SER Course 2021 – 3D printing in emergency radiology
5. IRIA Rajasthan – Roentgen Day 2021; IR in Aortic Trauma
6. SER annual conference 2021 – Application of AI in Emergency Radiology
7. IRIA Kerala 2021 – Cardiac Imaging for Residents; Case Based Review
8. IRIA Rajasthan 2021 – Imaging in congenital heart disease
9. ICRI IRIA Case Discussion - Jan 23 2022
10. Siemens Connect series – March 15th 2023 on 'Pediatric Cardiac CT

Research Projects:

Ongoing:

Co-Investigator:

1. Indian standards for fetal growth based on serial Symphysial-fundal height and ultrasound measurements: A multicentric longitudinal study.

Scientific Awards/Patents

1. Fellowship of Cardiovascular and Interventional Radiological Society of Europe
2. Award for outstanding reviews in the journal CVIR Endovascular for the year 2021

Membership/Post in Journal or Society or Association

1. Cardiovascular and Interventional Radiological Society of Europe
2. Membership of National Academy of Medical Sciences
3. Society of Cardiac Magnetic Resonance
4. Society of Emergency Radiology India
5. Society of Fetal Medicine

National/ International Conferences attended:

1. European Congress of Radiology 2021
2. Indian Society of Pediatric Radiology Annual Conference 2021
3. OS CMR McGill University 2021
4. SCMR Annual Conference 2022

Department of Endocrinology and Metabolism

S.No.	Name	Designation
1	Madhukar Mittal	Additional professor
2	Ravindra Shukla	Associate Professor
3	Ayan Roy	Assistant Professor (Resigned/Relieved on 07.01.2022)

About the Department:

The Department of Endocrinology and Metabolism started in May 2016 as a referral centre 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 aim to establish dedicated Pediatric Endocrinology clinic covering pubertal and growth disorders and Type 1 diabetes, Obesity Clinic, and Reproductive Endocrinology Clinic. The department aims to expand its base and scope with interdepartmental coordination and collaboration.

There is indoor facility where dynamic tests like, HDDDST, Water deprivation test, Saline infusion tests, Glucagon stimulation test, Growth hormone stimulation tests are done. These tests required patients to be referred to AIIMS Delhi earlier. The Department has gradually expanded its clinical services. The Covid-19 pandemic has brought its challenges and the department has used online telemedicine and other innovative means to meet and successfully handle these situations and continue to provide effective clinical care to patients. With the pandemic ebbing, the physical OPD services have resumed with full services.

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. Currently the department runs two laboratories – 1. BMD-DXA lab with TBS facility 2. Diabetes Technology lab (including CGMS, RTGS) lab. Both labs have high end diagnostic facilities for patients with regards to osteoporosis and diabetes evaluation respectively. In future the aim is to expand the laboratory services to include Diabetic foot care lab with focus on high-risk diabetes foot, integrated thyroid USG-FNAC setup, autonomic function testing and advanced hormonal assay lab including dynamic endocrine testing facilities.

There is long term aim to work in clinical and translational research in areas of metabolism, pituitary and bone disorders. This would help in developing a department with all-round progress covering patient care, research and teaching facilities for DM students, the future endocrine specialist doctors.

Compiled list of Publications of the department:

Papers

Pubmed Indexed:

1. Ahari K, Vijayan N, Garg MK, Shukla R, Choudhary R. Tumour-induced osteomalacia due to thymolipoma. Natl Med J India 34:2021;189-90.
2. Shukla R, Choudhary R, Lodha M, Rodha M, Bajpai N , Purohit, Sharma P, Garg MK Human Visceral Adipose Tissue (VAT) Inflammation Is Not Associated With Perforin Deficiency in Type 2 Diabetes Mellitus (DM) Subjects as Compared to Health Controls. J Endocrine Society. April-May 2021; 5(1): A15–A16

3. Mittal M, Gupta P, Chaudhary GR, Garg MK. Hypercalcemia in Pheochromocytoma: From MEN to VHL. J Endocr Soc. 2021 May 3; 5(Suppl 1): A997–A998. PMCID: PMC8089232
4. Kumar B, Mittal M, Gopalakrishnan M, Garg MK, Misra S. Effect of plasma glucose at admission on COVID-19 mortality: experience from a tertiary hospital. Endocrine Connections.21 Jun 1;10(6):589-98.
5. Patra S, Roy A, Mittal M, Shukla R. Use of dual-release hydrocortisone in adrenal insufficiency. European Journal of Endocrinology. 2021 Sep 1;185(3):L9-10. PMID: 34243144
6. Ganakumar V, Jethwani P, Roy A, Shukla R, Mittal M, Garg MK. Diabetic ketoacidosis (DKA) in type 1 diabetes mellitus (T1DM) temporally related to COVID-19 vaccination. Diabetes & Metabolic Syndrome: Clinical Research & Reviews. 2021 Dec 21:102371. PMID: 34954484; PMCID: PMC8687715.
7. Abhilasha, Mitra P, Suri S, Saxena I, Shukla KK, Shukla R, Sharma P. Downregulation of interleukin-10 receptor (IL-10R) along with low serum IL-10 levels in newly diagnosed type 2 diabetes mellitus patients. Gene Reports, Volume 24,2021,101251
8. Kumar D, Mittal M. India's COVID-19 emergency: overarching conclusions belie facts. Lancet. 2021 Jun 26;397: 1683.
9. Mittal M, Gupta P, Kalra S, Bantwal G, Garg MK. Short Stature: Understanding the Stature of Ethnicity in Height Determination. Indian Journal of Endocrinology and Metabolism. 2021 Sep 1;25(5):381-8.

Non-Pubmed Indexed:

1. Nath B, Kumari R, Mittal M, Chandra H. Scenario of medical education after Covid in India. Indian J Forensic Community Med 2021;8(3):141-142.

Name of Faculty: Dr Madhukar Mittal
Designation: Additional Professor

Books/Chapters

1. Mittal M, Ganakumar V. Graves Disease in Childhood. Graves' Disease 2021 Dec 1:245. IntechOpen. DOI: 10.5772/intechopen.97569
2. Mittal M, Gupta P, Garg MK. Hypothyroidism. Endocrine Surgery: A South Asian Perspective. CRC Press 2021.
3. Garg MK, Mittal M. Calcium and phosphate homeostasis. Postgraduate Medicine. JP Medical 2022, p977.

Papers Presented:

1. Hypercalcemia in Pheochromocytoma: From MEN to VHL. ENDO 2021. 20th-23rd March 2022. (Online)

Sessions Chaired:

1. Faculty Moderator. Ovulation induction in IVF. Rajasthan Endocrine Affiliate Dialogues – Menopause Masterclass. 23rd May 2021.
2. Faculty Moderator in PHFI Endocrinology Masterclass. 25th Feb 2022

Invited Lectures

1. Faculty speaker in ‘Advances in Diabetic Dyslipidemia’. Conference DUFC 2021, 8th August 2021.

Symposium Speaker

1. World Health Day virtual program. The Endocrine Society of India on Resource Husbandry in Endocrinology (Focus on diagnosis,management and preventive care in different disorders) - PITUITARY. 7th April 2021.
2. Panel discussion on Star rating of FOPL by Consumer Voice. 10th August 2021
3. Panel discussion on Metabolic syndrome in 4thAnnual conference of MP-PCOS Society, 20-21st Nov 21

Resource Faculty:

1. Expert Faculty in National Webinar on Addressing Diabetes Mellitus through Front of Package Labelling (FOPL) in India, AIIMS Jodhpur & AIIMS Rishikesh, 28th June 2021
2. Faculty national consultative group in National Workshop on Need of effective Front of Package Label (FOPL). AIIMS Rishikesh, 10th September 2021

Research Project:

Ongoing:

As Principal Investigator

1. Correlation of glycemic profile by continuous glucose monitoring with HbA1c and meal patterns in type 2 diabetic individuals
2. Assessment of Bone Mineral Density and Trabecular Bone Score in patients of hyperthyroidism and determining predictors of bone loss
3. Evaluating the role of Infrared thermography (IRT) as a Non-Invasive tool in differentiating between patients of type 2 diabetes and non-diabetic controls

As Co-Investigator

1. Effect of whatsapp based diabetes education and instructions on glycemic status, knowledge, quality of life and coping skills in patients of type 1 diabetes mellitus: a randomized controlled trial
2. Expression of Pit-1, SF-1, Ki-67 labelling index in correlation with Immunohistochemical expression of hormonal markers in pituitary adenomas
3. Two dimensional strain imaging echocardiography in asymptomatic type 2 diabetes mellitus patients

Completed:

As Co-Principal Investigator

1. Development and clinical validation of markers for a point of care diagnostic kit for diabetic nephropathy. BIRAC (DBT), CSIR-IITR Lucknow

Membership/Post in Journal or Society or Association

1. Vice President; Endocrine Society of India Rajasthan Affiliate 2020, 2021, 2022

National/ International Conferences attended:

1. American Association of Clinical Endocrinology Annual Meeting (Virtual): Envision. 26th -29th May 202. (Online)

Others:

1. Organizing Secretary for the conference on World Autoimmune Arthritis Day. Endocrine Society of India, 20th May 2021

2. Scientific Chairperson for the conference on Cushing's syndrome (Celebrating 100th birth anniversary of Liddle Grant). Endocrine Society of India, 27th June 2021

Name of Faculty: Dr. Ravindra Shukla
Designation: Associate Professor

Research Project:

As Principal Investigator

1. BMD in Graves disease
2. "Randomized Control Trial (RCT) Saroglitazar Vs standard treatment in newly diagnosed Diabetics"
3. Randomized Control Trial (RCT) Voglibose+metformin Vs standard treatment in newly diagnosed Diabetics
4. Predictors of postoperative hypocalcaemia in patients undergoing parathyroidectomy
5. Correlation of Infra-red measurements with HbA1c in Diabetes Mellitus
6. Lipid Parameters in type 2 DM: a prospective study
7. Efficacy and safety of pregabalin Vs gabapentin among patients of chronic pruritis : a randomized study

As Co-Investigator

1. Use of smartphone based intervention for diabetes education in community dwelling adults
2. Indo-Sweden Innovation Challenge to make AI based Diabetes Self-Management Education (DSME) Modules.
3. Tribal Health Initiative: Collaboration between Ministry of Tribal Affairs and AIIMS Jodhpur at Abu Road CHC
4. Effect of Circadian Misalignment on Cortisol dynamics among shift workers
5. Effect of Metformin supplementation on Gut microbiota
6. Evaluation of BMD and Bone turnover markers in type 1 DM

Sessions Chaired:

1. "Hot Topics: Thyroid". 50th Annual ESICON 9-12th, Bengaluru, 10th Dec 2021.

Invited Lecture:

1. "Pharmacological Management of Diabetes" Nursing Upskilling Programme, AIIMS Jodhpur

Name of Faculty: Dr. Ayan Roy
Designation: Assistant Professor (till – 7th January 2022)

Scientific Awards/Patents

1. ESI-AV Gandhi award Metabolic disease category-2021

Department of Forensic Medicine and Toxicology

S.No.	Name	Designation
1	Dr. Tanuj Kanchan	Professor & Head
2	Dr. Puneet Setia	Additional Professor
3	Dr. Raghvendra Singh Shekhawat	Associate Professor
4	Dr. Vikas Meshram	Associate 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 three PhD are pursuing their respective courses in the department. One postgraduate student is enrolled in the dual MD PhD course. The department is one of its kind where ten days mandatory posting is required by the interns to complete. The mortuary complex is fully functional, and printed autopsy reports are generated utilizing the in-house software. Last year, 140 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 596 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. At present, there are eleven intramural and one extramural project going on in the department. Last year, 32 Pubmed indexed, and 11 non-Pubmed indexed articles were published by the various faculty of the department.

Compiled list of Publications of the department:

Papers

Pubmed Indexed:

1. Sharma S, Shrestha R, Krishan K, Kanchan T. Sex estimation from fingerprint ridge density. A review of literature. Acta Biomed. 2021. 92(5): e2021366
2. Kanchan T, Chugh V, Chugh A, Meshram V, Shedge R, Patnana AK, Krishan K. Age estimation using third molar maturation based on Demirjian's criteria. Leg Med (Tokyo). 2021; 53: 101959
3. Shedge R, Kanchan T, Kumar Garg P, Gupta Dixit S, Warrier V, Krishan K. Age estimation from sternebral fusion in an Indian population - A computed tomographic evaluation. Leg Med (Tokyo). 2021; 53:101951

4. Rani D, Krishan K, Kumar A, Kanchan T. Assessment of body weight from percutaneous widths of the bones and joints-Implications in forensic and clinical examinations. Acta Biomed. 2021;92(3): e2021225
5. Warrier V, Kanchan T, Shedge R, Krishan K, Singh S. Computed tomographic age estimation from the pubic symphysis using the Suchey-Brooks method: A Systematic Review and Meta-analysis. Forensic Sci Int. 2021;325:110811
6. Jadav D, Shedge R, Kanchan T, Meshram V, Garg PK, Krishan K. Age related changes in thyroid and cricoid cartilages: An autopsy based radiological analysis. J Forensic Leg Med. 2022;85:102299
7. Patnana AK, Kanchan T. Tooth Fracture. 2021. In: StatPearls [Internet].
8. Remien K, Kanchan T. Parental Consent. 2022. In: StatPearls [Internet].
9. Shedge R, Krishan K, Warrier V, Kanchan T. Postmortem Changes. 2021. In: StatPearls [Internet].
10. Mukhra R, Krishan K, Kanchan T. COVID-19 pandemic and "survival of the fittest". J Infect Dev Ctries. 2021;15(10):1384-87
11. Krishan K, Kanchan T. Persistence and distribution of SARS-CoV-2 in the aerosol and on the surfaces. Clin Ter. 2021; 172(4):268-270
12. Kanchan T, Saraf A, Krishan K, Surekha B, Garg P, Misra S. COVID-19 pandemic: a reminder to develop forensic radiology facility. J Infect Dev Ctries. 2021; 15(11):1593-96
13. Jain V, Kanchan T. Implications of SARS CoV-2 positivity in amniotic membranes for ophthalmologists. Eye (Lond). 2021; 35(7):2058
14. Kanchan T, Shrestha R, Krishan K. Post-mortem ultrasonography: a safer alternative to autopsies in COVID-19 deaths. J Ultrasound. 2021; 24(4):577-578
15. Kanchan T, Chugh V, Chugh A, Setia P, Shedge R, Krishan K. Estimation of sex from dental arch dimensions: An odontometric analysis. J Craniofac Surg. 2021; 32(8):2713-15
16. Mittal C, Gupta V, Meshram VP, Kanchan T, Setia P, Bharti JN, Sarangi S, Malik S Unusual cutaneous presentation in a corrosive acid ingestion. J Forensic Sci. 2021; 66(5):1992-95
17. Kanchan T, Meshram VP, Shekhawat RS, Krishan K. Electricity Induced Burns and Lung Injury: A Rare Autopsy Observation. J Burn Care Res. 2021; 42(5):1050-52
18. Rani D, Krishan K, Kumar A, Kanchan T. Assessment of body weight from percutaneous widths of the bones and joints-Implications in forensic and clinical examinations. Acta Biomed. 2021; 92(3):e2021225
19. Shrestha R, Kanchan T, Krishan K. Simulation Training and Skill Assessment in Disaster Medicine.2021. In: StatPearls [Internet].
20. Jadav D, Gorchiya A, Shekhawat RS, Kanchan T. Traumatic inguinal hernia: Exploring the possible mechanism of its causation. Med Sci Law. 2022; 62(1):74
21. Jadav D, Shedge R, Kanchan T, Meshram V, Garg PK, Krishan K. Age-related changes in the hyoid bone: An autopsy-based radiological analysis. Med Sci Law. 2022; 62(1):17-23.
22. Mittal C, Vempalli SR, Kanchan T, Shekhawat RS. Fatal penetrating abdominal injury by a metallic projectile. J Forensic Sci. 2022; 67(1):370-73
23. Vishwajeet V, Purohit A, Kumar D, Vijayvergia P, Tripathi S, Kanchan T, Kothari N, Dutt N, Elhence PA, Bhatia PK, Nag VL, Garg MK, Misra S Evaluation of Liver Histopathological Findings of Coronavirus Disease 2019 by Minimally Invasive Autopsies. J Clin Exp Hepatol. 2022; 12(2):390-97
24. Meshram VP, Kanchan T, Shekhawat RS. Management of the dead during coronavirus disease 2019 outbreak: Practices and perceptions of forensic practitioners from India. Med Sci Law. 2022; 62(1):31-38.

25. Thakral S, Setia P, Modi A, Mishra R, Meshram V, Sinha A, Purohit P. Serial estimation of gene expression of cardiac troponin I (cTnI) and autophagy gene HMGB1 to determine postmortem interval. Forensic Sci Int Genet. 2022 May; 58:102635.
26. Mittal C, Gupta V, Meshram VP, Kanchan T, Setia P, Bharti JN, Sarangi S, Malik S. Unusual cutaneous presentation in a corrosive acid ingestion. J Forensic Sci. 2021 Sep;66(5):1992-95
27. Roy D, Tomo S, Purohit P, Setia P. Microbiome in Death and Beyond: Current Vistas and Future Trends. Frontiers in Ecology and Evolution. 2021;9.10.3389/fevo.2021.630397
28. Khartade HK, Meshram V, Garg SP, Mishra DK. Identification of skeletal remains by orthopaedic implant: A case report and brief review of the literature. Med Sci Law. 2021; 61(2):150-154.
29. Kanchan T, Shekhawat RS, Shetty BSK, Jayaram L, Meshram VP. Fatal captive tiger attack - A case report with review of literature. J Forensic Leg Med.2021; 78:102100
30. Jadav D, Gorchiya A, Shekhawat RS, Kanchan T. Traumatic inguinal hernia: Exploring the possible mechanism of its causation. Med Sci Law. 2021:258024211020273.
31. Gorchiya A, Jadav D, Shekhawat RS. An Unusual Attack by a Blue Bull Resulting in Penetrating Horn Injuries. Wilderness Environ Med. 2022.https://doi.org/10.1016/j.wem.2021.12.003
32. Bharti JN, Satyendra BT, Shekhawat RS, Gorchiya A. Acute Fibrinous and Organizing Pneumonia-A Rare Lung Pathology. Am J Forensic Med Pathol. 2022 Mar 1;43(1):e1-e3.

Non-Pubmed Indexed:

1. Shedge R, Kanchan T, Cunningham C, Krishan K. Differential development of the ribs–Exploring the unexplored. J Indian Acad Forensic Med. 2021;43(1):97-8.
2. Meshram VP, Shekhawat RS, Kanchan T. Forensic wound age estimation: Exploring newer approaches. J Indian Acad Forensic Med. 2021;43(1):1-2.
3. Shekhawat RS, Meshram VP, Kanchan T. Postmortem biochemistry: Current perspectives and the road ahead. J Indian Acad Forensic Med. 2021;43(3).
4. Warrier V, Kanchan T. Clothes and the evidences they carry: A perspective on its forensic examination. J Indian Acad Forensic Med. 2021;43(3):296-9.
5. Ateriya N, Saraf A, Kanchan T, Shekhawat RS, Rao Meenakshi, Setia P. Sudden cardiac death in an adolescent: A case of viral myocarditis. J Indian Acad Forensic Med. 2021;43. 89-91.
6. Saraf A, Shekhawat RS, Setia P, Meshram VP, Kanchan T, Ateriya N. Sudden death in a 2-year-old child: Role of Ascaris infestation and other possibilities. J Indian Acad Forensic Med.2021;43(2):188-190.
7. Meshram V, Saraf A, Gupta V, Kanchan T, Shekhawat RS. Ladder-rung tears of aorta - An unusual presentation of medico-legal significance. J Indian Acad Forensic Med.2021;43(3):273-275.
8. Gupta V, Gorchiya A, Meshram VP, Shekhawat RS, Setia P. Traumatic scrotal emphysema: An underreported benign condition and a brief review of its mechanism. J Indian Acad Forensic Med.2021;43(4):397-399.
9. Kanchan T. COVID-19 and forensic research avenues. J Indian Acad Forensic Med. 2021;43(2):99-100.
8. Shedge R, Kanchan T. Forensic Anthropology: An overview of the various avenues in human identification. J Indian Acad Forensic Med. 2021;43(4):300-301.
10. Kanchan T. My journey as the editor of JIAFM. J Indian Acad Forensic Med. 2022;44(Suppl):S1.
11. Meshram VP, Jadhav D, Kanchan T, Shekhawat RS, Khartade H. Autopsy approach in diagnosis of Mucormycosis. J Indian Acad Forensic Med. 2022;44(Suppl):S54-S57.

Name of Faculty: Dr Tanuj Kanchan
Designation: Professor & Head

Sessions Chaired:

1. Chaired scientific session in the 4th International Conference of Forensic Odontology & Child Abuse organized by Forensic Odontology Unit, Department of Oral Pathology & Microbiology, Faculty of Dental Sciences, KGMU, Lucknow on 31st March, 2022.

Invited Lectures

1. "Update on the Forensic R&D involving COVID-19" in a webinar organized by Department of Forensic Medicine & Toxicology (FMT), SSSMCRI, Puducherry on 25th th August 2021.
2. "Forensic Anthropology - How to develop in Indian context" at the17th Annual International Conference of South India Medico-Legal Association (SIMLA 2021), AIIMS, Bibinagar , 5th -6th October 2021.
3. "Radiological Imaging and Identification" in the CME, 68th NATCON of the Anatomical Society of India (ASI), Department of Anatomy, KGMU, Lucknow, 28th January 2022.
4. In workshop on "Disaster and Conflict Victim Identification". 4th International Conference of Forensic Odontology & Child Abuse, Forensic Odontology Unit, Department of Oral Pathology & Microbiology, Faculty of Dental Sciences, KGMU, Lucknow, 28th March 2022.

Research Project:

Ongoing:

As Principal Investigator

1. Age estimation using developmental stages of teeth – A radiological investigation in North Western population.
2. Sex Estimation from Dental Pulp Cytology: A Time-based study

Examinership

1. External examiner for practical examination of MD (Forensic Medicine), Department of Forensic Medicine at Dr. SN Medical College, Jodhpur, Rajasthan, 25th -26th July 2021
2. External examiner for II MBBS Professional examinations of Forensic Medicine, Department of Forensic Medicine, Dr. SN Medical College, Jodhpur, 17th August 2021.
3. External examiner for II MBBS Professional examinations of Forensic Medicine, Department of Forensic Medicine, Geetanjali Medical College & Hospital, Udaipur, 27th August 2021.
4. Evaluation for MD dissertation submitted to JIPMER, Puducherry for award of the degree of MD in Forensic Medicine and Toxicology.
5. Evaluation for MD thesis submitted to AIIMS, New Delhi for award of the degree of MD in Forensic Medicine and Toxicology.
6. Subject expert at NBE for contributing to Question Bank in the subject Forensic Medicine at MBBS Exit level
7. Examiner and Chairperson for the subject specialty of Forensic Medicine for MBBS, MD and PhD examinations conducted in AIIMS, Jodhpur, December 2021.

Membership/Post in Journal or Society or Association

1. Editor; Journal of Indian Academy of Forensic Medicine (The journal of our national association)
2. Associate Editor; Journal of Karnataka Medicolegal Society

National/ International Conferences attended:

National:

1. Webinar on "Assault on Healthcare Workers: Ways to overcome" by AIIMS, Bibinagar, 1st July 2021
2. Webinar on "COVID-19 Pandemic in India- A Forensic Perspective" by Department of Forensic Medicine & Toxicology (FMT), SSSMCRI, Puducherry, 25th August 2021.
3. 17th Annual Conference of South India Medico-Legal Association (SIMLA 2021) conducted by AIIMS, Bibinagar, 5th -6th October 2021.
4. CME of the 68th NATCON of the Anatomical Society of India (ASI) conducted by Department of Anatomy, KGMU, Lucknow on 28th January 2022.
5. Workshop on "Disaster and Conflict Victim Identification" by Forensic Odontology Unit, Department of Oral Pathology & Microbiology, Faculty of Dental Sciences, KGMU, Lucknow, 28th March 2022.
6. 4th International Conference of Forensic Odontology & Child Abuse by Department of Oral Pathology & Microbiology, Faculty of Dental Sciences, KGMU, Lucknow, 29th – 31st March 2022.

International:

1. Asia Pacific Medico-Legal agencies conference 2021 "Forensic Pathology in a Pandemic" via videoconferencing, 22nd-23rd November 2021, The Central Institute of Forensic Science, Thailand.

Name of Faculty: Dr Puneet Setia
Designation: Additional Professor

Research Project:

Ongoing:

As Principal Investigator

1. An observation study analysing the post mortem interval in human cadavers using autophagy protein. (funded by Indian Council of Medical Research, April 2019) (Appx. 17 lacs)
2. Predictive value of progression of various stages of depression to suicide by epigenetic modification of FKBP 5 gene. (funded by Indian Council of Medical Research, February 2020) (Appx. 23 lacs) To study the prevalence of Bisphenol A toxicity and its metabolic and hormonal effects in females with Polycystic Ovary Syndrome (funded by Indian Council of Medical Research, March 2022) (Appx. 98 lacs)
3. Use of ergonomic semi-circular craniotomy box to prevent the spread of infection while sawing skull bone during the highly infectious autopsy
4. Serial estimation of gene expression of cardiac muscle specific and autophagy genes to analyse time since death

Name of Faculty: Dr. Raghvendra Singh Shekhawat
Designation: Associate Professor

Sessions Chaired:

1. Jury member.18th Annual National conference, Indian Association of Forensic Odontology "Innovations and trends in Forensic Odontology". 21st -22nd September 2021, Seth GS Medical College & KEM Hospital, Mumbai.

Research Project:

Ongoing:

As Co-Investigator

1. Sex estimation from dental pulp cytology: A time bound study
2. An observation study analysing the post mortem interval in human cadavers using autophagy protein. (funded by Indian Council of Medical Research, April 2019) (Appx. □ 17 lacs)

Completed:

As Principal Investigator

1. Immunohistochemical and histological characterization of mast cells in deaths associated with fatal asphyxia

As Co-Investigator

1. Knowledge, Attitude and Practices about dead body management during COVID-19 outbreak among Forensic Medicine experts in India
2. Exploring the role of immunohistochemistry in estimation of wound age
3. Management of the dead during COVID-19 outbreak: Knowledge of infection control practices among healthcare workers

Membership/Post in Journal or Society or Association

1. Member editorial team; Journal of Indian Academy of Forensic Medicine
2. Academic Counsellor; Certificate course on CBRN medical management for doctors, AIIMS Jodhpur as a IGNOU study centre (a national initiative of DRDO)
3. Reviewer; Journal of Indian Academy of Forensic Medicine
4. Reviewer; Plos One
5. Reviewer; F1000 journal
6. Contemporary Justice Review

National/ International Conferences attended:

1. 17th Annual International virtual Conference of South India Medico-Legal Association (SIMLA 2021). Department of Forensic Medicine and Toxicology, All India Institute of Medical Sciences, Bibinagar, 5th-6th Oct 2021
2. Annual Conference of American Academy of Forensic Sciences 2022. American Academy of Forensic Sciences, Seattle, USA, 21st -25th Feb 2022

3. 8th International eConference on Forensic Medicine and Toxicology, 28th -29th August 2021, International Association of Scientists and Researchers

Name of Faculty: Dr. Vikas Premlal Meshram
Designation: Associate Professor

Papers Presented:

1. Meshram V, Seshagiri Raju, Shedge R, Kanchan T, Shekhawat RS. Age Estimation from Pubic Symphyseal Morphological Changes: A Computed Tomography (CT) -Based Evaluation. Annual Conference of American Academy of Forensic Sciences 2022. 21st-25th Feb 2022. Seattle, USA.
2. Akbar NJ, Shekhawat RS, Meshram V, Yadav T, Kanchan T, Shedge R. Age Estimation from Cranial Suture Obliteration: A Computed Tomography (CT) -Based Evaluation. Annual Conference of American Academy of Forensic Sciences 2022. 21st -25th Feb 2022. Seattle, USA.
3. Meshram V. Paternal filicide and incessant filial cruelty: An autopsy case. 4th International Conference of Forensic Odontology and Child abuse. 28th-31st Mar 2022. King George Medical University. Lucknow, India.

Sessions Chaired:

1. Forensic Odontology and child abuse. 4th Internal conference of Forensic Odontology and child abuse, 28th -31st Mar 2022, King George Medical University. Lucknow, India
2. Scientific session.18th Annual National conference of Indian Association of Forensic Odontology on Innovations and trends in Forensic Odontology, 25th -27th Sept 2021, Seth GS Medical College and KEM Hospital, Mumbai, India

Invited Lectures

1. Legalities in Medical Practice during COVID pandemic. Legal issues in telemedicine practice during COVID pandemic, CME, 19th May 2021, All India Institute of Medical Sciences, Nagpur. (Online)

Research Project:

Ongoing:

As Co-Investigator

1. Serial estimation of gene expression of cardiac muscle specific and autophagy genes to analyze time since death

Completed:

As Principal Investigator

1. Knowledge, Attitude and Practices about dead body management during COVID-19 outbreak among Forensic Medicine experts in India

As Co-Investigator

1. Age estimation using developmental stages of teeth- A radiological investigation in North Western population

Scientific Awards/Patents

1. 1st prize in paper presentation, Paternal filicide and incessant filial cruelty: An autopsy case ,4th Internal conference of Forensic Odontology and child abuse, King George Medical University. Lucknow, India, 28th-31st Mar 2022

Membership/Post in Journal or Society or Association

1. Member editorial team; Journal of Indian Academy of Forensic Medicine
2. Academic Counsellor; Certificate course on CBRN medical management for doctors, AIIMS Jodhpur as a IGNOU study centre (a national initiative of DRDO)
3. Reviewer; Journal of Indian Academy of Forensic Medicine
4. Reviewer; Plos One
5. Reviewer; F1000 journal
6. Reviewer; Journal of Forensic Medicine Science and Law

National/ International Conferences attended:

1. 18th Annual National conference of Indian Association of Forensic Odontology on Innovations and trends in Forensic Odontology. Seth GS Medical College and KEM Hospital, Mumbai, India, 25th -27th Sept 2021
2. Virtual meeting on Role of Forensic Odontologist in Indonesia's natural disaster. Hasanuddin University, Makassar, Indonesia, 7th July 2021.
3. 17th Annual International virtual Conference of South India Medico-Legal Association (SIMLA 2021). Department of Forensic Medicine and Toxicology, All India Institute of Medical Sciences, Bibinagar, 5th-6th Oct 2021
4. Annual Conference of American Academy of Forensic Sciences 2022. American Academy of Forensic Sciences, Seattle, USA, 21st -25th Feb 2022
5. 4th Internal conference of Forensic Odontology and child abuse, Forensic Odontology Unit, King George Medical University. Lucknow, India, 28th -31st Mar 2022

Department of General Medicine

S.No.	Name	Designation
1	Dr. M. K. Garg	Professor & HOD
2	Dr. Gopal Krishna Bohra	Associate Professor
3	Dr. Bharat Kumar	Assistant Professor
4	Dr. Maya Gopalakrishnan	Assistant Professor
5	Dr.Naresh Kr. Midha	Assistant Professor
6	Dr. Deepak Kumar	Assistant Professor
7	Dr. Satyendra Khichar	Assistant Professor
8	Dr. Durga Shankar Meena	Assistant Professor
9	Dr. Amit Kr. Rohila	Assistant Professor (T & E)

About The Department

Internal medicine is the foundation on which all the medical super specialties are built. It is the first point of contact for any patient who seeks a medical opinion. Our department deals with various medical problems with an integrated approach. Department of General Medicine at AIIMS Jodhpur is managed by a capable group of Faculties, Senior Residents, and Post-Graduate trainees.

Department of General Medicine is one of the most engaged departments of AIIMS Jodhpur. It provides services to a wide coverage area involving whole of Western Rajasthan and even beyond.

The Department provides outdoor as well indoor services, critical care services and emergency medicine services to provide better patient care. Department has given tremendous efforts in COVID19 pandemic management.

Department is running specialty clinics of Hematology, Infectious diseases, and Rheumatology to provide a better approach, treatment, and care to the chronic and complicated cases.

Being an integral part of this excellent teaching institute, we conduct regular clinics and lectures to undergraduate and post graduate medical students. We are daily providing postgraduate teaching in the form of journal clubs, case presentations, seminars, and faculty classes in collaboration with other departments. Our department is also effectively participating in the integrated teaching of undergraduates held every Saturday. It is one of the most dynamic departments in the Institute for teaching, patient care and research.

Department has achieved a standard in academic performance. We published various research papers in renowned and indexed journals and reported various unusual and interesting cases in last one year. We conducted various CMEs this year to keep the flow of knowledge. The department believes that the success is due to the quality of the clinical care we provide to patients. The aim of our team is to establish a best department in the patient care, teaching, and clinical research.

Published Papers

Pubmed Indexed: -

1. Banavathu T, Tripathi S, Sukhadiya P, Ahari K, Shankar Meena D, Kumar Garg M. Thyrotoxic Periodic Paralysis with Thyroid Storm as the First presentation of Graves' disease; a Case Report. Arch Acad Emerg Med. 2021; 9(1): e19.

2. Midha NK, Garg MK, Kumar D, et al. Rapidly Developing Cataract in Young Adult Patients: Always A Matter of Further Evaluation. Cureus (): e. doi:10.7759/cureus.
3. Bohra GK, Kumar D, Garg MK. COVID-19 and Infectious Disease Speciality - A necessity of Time in India. Infect Disord Drug Targets. 2021. doi:10.2174/1871526521666210302155650
4. Gopalakrishnan M, Yadav P, Mathur R, Midha N, Garg MK. Venom-induced consumption coagulopathy unresponsive to antivenom following Echis carinatus sochureki envenoming. Journal of Wilderness Medicine. 2021. doi: 10.1016/j.wem.2021.01.004. PMID: 3378166
5. Chauhan NK, Shadrach BJ, Garg MK, Bhatia P, Bhardwaj P, Gupta MK et al. Predictors of Clinical Outcomes in Adult COVID-19 Patients Admitted to a Tertiary Care Hospital in India: an analytical cross-sectional study: Predictors of clinical outcomes in COVID-19. Acta Bio Med [Internet]. 2021;92(3): e2021024
6. Kumar B, Gopalakrishnan M, Garg MK, Purohit P, Banerjee M, Sharma P et al. Endocrine dysfunction among patients with COVID-19: A single-center experience from a tertiary hospital in India. Indian J Endocrinol Metab. 2021; 1:14-19.
7. Garg PK, Khera P, Saxena S, Surekha S, Garg MK, Nag VL et al. Chest-X-ray-Based Scoring, Total Leukocyte Count, and Neutrophil-to-Lymphocyte Ratio for Prediction of COVID-19 in Patients with Severe Acute Respiratory Illness. Turk Toraks Dergisi 2021;22(2):130-136
8. Sureka B, Tak V, Nag VL, Rani R, Garg MK, Misra S. Suraksha Chakra: A new scoring system to protect the healthcare workers from COVID. J Family Med Prim Care 2021; 10:1512-4.
9. Sureka B, Nag VL, Garg MK, Tak V, Banerjee M, Bishnoi A, et al. Rational use of PPE and preventing PPE related skin damage. J Family Med Prim Care 2021; 10:1547-53.
10. Meena DS, Kumar B, Gopalakrishnan M, Arjun, Kumar S, Sureka B, Gupta S, Bohra GK, Garg MK. Pseudo-pseudo-Meigs' syndrome (PPMS) in chronic Lupus peritonitis: A case report with review of literature. Modern Rheumatology Case Reports. DOI: 10.1080/24725625.2021.1916160
11. Shukla RK, Choudhary R, Lodha M, Rodha M, Bajpai N, Purohit P et al. Human Visceral Adipose Tissue (VAT) Inflammation Is Not Associated with Perforin Deficiency in Type 2 Diabetes Mellitus (DM) Subjects as Compared to Health Controls. Journal of the Endocrine Society 5 (Supplement_1), A15-A16, 2021
12. Mittal M, Gupta P, Chaudhary GR, Garg MK. Hypercalcemia in Pheochromocytoma: From MEN to VHL. Journal of the Endocrine Society 5 (Supplement_1), A997-A998
13. Kumar B, Mittal M, Gopalakrishnan M, Garg MK, Misra S. Effect of plasma glucose at admission on COVID-19 mortality: experience from a tertiary hospital. Endocr Connect. 2021;10(6):589-598.
14. Sureka B, Garg PK, Saxena S, Garg MK, Misra S. Role of radiology in RT-PCR negative COVID-19 pneumonia: Review and recommendations. J Family Med Prim Care 2021; 10:1814-7.
15. Vaswani S, Purohit A, Vishwajeet V, Kumar D, Bhanja D, Vijayvargiya P et al. Evaluation of bone marrow findings of COVID-19 by minimally invasive autopsies: A single tertiary care centre experience from India. Indian Journal of Hematology and Blood Transfusion; 36(1 SUPPL):S186, 2020.
16. Bhadada SK, Chadha M, Sriram U, Pal R, Thomas VP, Khadgawat R et al. The Indian Society for Bone and Mineral Research (ISBMR) position statement for the diagnosis and treatment of osteoporosis in adults. Archives Osteoporosis. 2021;16: DOI: 10.1007/s11657-021-00954-1.
17. Vishwajeet V, Purohit A, Kumar D, Vijayvargiya P, Tripathi S, Kanchan T et al. Evaluation of Pathological Findings of COVID-19 by Minimally Invasive Autopsies: A Single Tertiary Care Center Experience from India. J Lab Phys 2021. DOI 10.1055/s-0041-1730750
18. Suri S, Mitra P, Bankul S, Saxena I, Garg MK, Bohra GK, Sharma P. Altered expression of specific antioxidant (SOD1 and SOD2) and DNA repair (XRCC1 and OGG1) genes in patients with newly diagnosed type-2 diabetes mellitus. Minerva Endocrinol 2021. DOI: 10.23736/S2724-6507.21.03417-5.

19. Shekhawat J, Gauba K, Gupta S, Purohit P, Mitra P, Garg MK et al. Interleukin-6 Perpetrator of the COVID-19 Cytokine Storm. Ind J Clin Biochem (2021). DOI: 10.1007/s12291-021-00989-8.
20. Palanisamy N, Vihari N, Meena DS, Kumar D, Midha N, Tak V et al. Clinical Profile of Bloodstream Infections in Covid-19 Patients: A Retrospective Cohort Study. BMC Infect Dis. 2021 Sep 8;21(1):933.
21. Agarwal R, Purohit P, Khokhar M, Modi A, Bajpai N, Bohra GK et al. A clinical and in-silico analysis of hsa-miR-21 and Growth Differentiation factor-15 expression in Diabetic Nephropathy, Preprint. 2021. DOI: 10.21203/rs.3.rs-396068/v1
22. Kumar S, Midha N K, Ahari K, et al. Role of Pigtail Catheter Drainage Versus Percutaneous Needle Aspiration in the Management of Liver Abscess: A Retrospective Analysis. Cureus 13(12): e20528. doi:10.7759/cureus.20528.
23. Chauhan NK, Shadrach BJ, Garg MK, Bhatia P, Bhardwaj P, Gupta MK et al. Predictors of Clinical Outcomes in Adult COVID-19 Patients Admitted to a Tertiary Care Hospital in India: an analytical cross-sectional study. Acta Bio-medica: Acta Biomed. 2021 Jul 1;92(3):e2021024
24. Tripathi S, Meena DS, Rohila AK, T R N, Jain V, Kumar D, Yadav T, Garg MK. Empyema necessitans with osteomyelitis of fifth rib due to Nocardia farcinica: a case report. BMC Infect Dis. 2021 Aug 3;21(1):745.
25. Vishwajeet V, Purohit A, Kumar D, Vijayvergia P, Tripathi S, Kanchan T, Kothari N, Dutt N, Elhence PA, Bhatia PK, Nag VL, Garg MK, Misra S. Evaluation of liver histopathological findings of COVID-19 by minimally invasive autopsies. J Clin Exp Hepatol. 2021 Jul 21. doi: 10.1016/j.jceh.2021.07.004.
26. Goyal A, Soni K, Sharma V, Choudhury B, Verma A, Kumar D, Khichar S, Chugh A, Sureka B, Srinivasan S, Bhardwaj P, Kamal M, Agarwal A, Bhatnagar K, Bhatia PK, Garg MK, Misra S Rapid Response Preparedness for Management of Post-Covid Invasive Rhino-Orbito-Cerebral Fungal Infections: Experience from a Tertiary Care Government Institute in India. Indian J Otolaryngol Head Neck Surg. 2021 Jul 18:1-3.
27. Yadav P, Kumar D, Meena DS, Midha NK, Bohra GK et al, Discharge Prophylactic Anticoagulation in COVID-19 Patients: A Clinical Dilemma. Cardiovasc Hematol Disord Drug Targets. 2021 Sep 13. doi: 10.2174/1871529X21666210914113752.
28. Tomo S, Banerjee M, Sharma P, Garg M. Does dehydroepiandrosterone sulfate have a role in COVID-19 prognosis and treatment? Endocrine Regulations. 2021; 55:174–181.
29. Yadav P, Kumar D, Meena DS, Bohra GK, Jain V, Garg P, Dutt N, Abhishek KS, Agarwal A, Garg MK. Clinical Features, Radiological Findings, and Treatment Outcomes in Patients with Pulmonary Nocardiosis: A Retrospective Analysis. Cureus. 2021;13(8):e17250.
30. Yadav P, Kumar D, Bohra GK, Garg MK, Bharti JN, Purohit AHL, Meena DS. Progressive Disseminated Histoplasmosis in Idiopathic CD4 Lymphocytopenia - An Under Diagnosed Combination. Medicine & Pharmacy Reports. 2021; 95, 209-213.
31. Purohit A, Vaswani S, Vishwajeet V, Kumar D, Vijayvergiya P, Tripathi S, et al. Evaluation of Bone Marrow Findings of COVID-19 by Minimally Invasive Autopsies: A Single Tertiary Care Centre Experience from India. Indian J Hematol Blood Transfus. 2021; 20:1-6.
32. Menon AS, Kapoor R, Anayath S, Garg MK. Vitamin D, body mass composition and metabolic risk factors in healthy young Indians. Med J Armed Forces India. 2021 Oct;77(4):485-489.
33. Kumar A, Yadav P, Kachhwaha A, Gopalakrishnan M, Garg MK. Changing pattern of acute poisoning: an ambispective study from Jodhpur, India. Tropical Medicine & International Health 2021; 26:199-199.
34. Ahari K, Vijayan N, Garg MK, Shukla R, Choudhary R. Tumour-induced osteomalacia due to thymolipoma. Natl Med J India 34:2021;189-90.
35. Meena DS, Kumar D, Agarwal M, Bohra GK, Choudhary R, Samantaray S, Sharma S, Midha N, Garg MK. Clinical Features, Diagnosis and.Treatment Outcome of Fungal Endocarditis: A Systematic Review of Reported Cases. Mycoses; 2022 Mar;65(3):294-302. doi: 10.1111/myc.13398.

36. Yadav P, Vohra C, Gopalakrishnan M, Garg MK. Integrating health planning and primary care infrastructure for COVID-19 and tuberculosis care in India: challenges and opportunities. Int J Health Plann Mgmt. 2021;1-11.
37. Bohra GK, Purohit A, Kumar D, Garg MK, Midha NK, Manglia R, Jain K, Didel S, Nag V, Sharma P, Sharma A, Bhatia P, Misra S. a Composite study of Coagulation Milieu in Covid-19: Experience from a Tertiary Care Centre from India. Cardiovasc Hematol Disord Drug Targets. 2021 Nov 30. doi: 10.2174/1871529X21666211201110007. PMID: 34852756
38. Ganakumar V, Jethwani P, Roy A, Shukla R, Mittal M, Garg MK. Diabetic ketoacidosis (DKA) in type 1 diabetes mellitus (T1DM) temporally related to COVID-19 vaccination. Diabetes Metab Syndr. 2021 Dec 21;16(1):102371.
39. Midha NK, Garg MK. Intractable hypocalcemic seizures due to hypoparathyroidism. J Family Med Prim Care 2021; 10:4615-6.
40. Sakhtivadivel V, Bohra GK, Maithilikarpagaselvi N, Khicher S, Meena M, Palaniswamy N et al. Association of Inflammatory Markers with COVID-19 Outcome among Hospitalized Patients: Experience from a Tertiary Healthcare Center in Western India. MAEDICA – a Journal of Clinical Medicine. 2021; 16(4): 620-627.
41. Sharma A, Goel AD, Bhardwaj P, Kothari N, Goyal S, Kumar D et al. Tracheostomy outcomes in coronavirus disease 2019: a systematic review and meta-analysis. Anaesthesiol Intensive Ther 2021; 53: 418–428.
42. Soni K, Das A, Sharma V, Goyal A, Choudhary B, Chugh A et al. Surgical & medical management of ROCM (Rhino-orbito-cerebral mucormycosis) epidemic in COVID-19 era and its outcomes − a tertiary care center experience. J Medical Mycology. 2021 Dec 25;32(2):101238.
43. Mittal M, Gupta P, Kalra S, Bantwal G, Garg MK. Short stature: Understanding the stature of ethnicity in height determination. Indian J Endocr Metab 2021; 25:381-8.
44. Bhaumik S, Gopalakrishnan M, Meena P. Mitigating the chronic burden of snakebite: turning the tide for survivors. Lancet. 2021 Oct 16;398(10309):1389-1390.
45. Garg D, Dhamija R, Choudhary A, Shree R, Kumar S, Samal P, et al. Impact of the COVID-19 pandemic on the frequency, clinical spectrum and outcomes of pediatric Guillain-Barré syndrome in India: A multicentric ambispective cohort study. Ann Indian Acad Neurol. 2021; Ahead of print DOI: 10.4103/aian.aian_392_21
46. Reddy Challa Suryanarayana, Midha Naresh, Chhabra Vivek, Kumar Deepak, Bohra Krishna Gopal. Amlodipine Induced Gum Hypertrophy – A Rare Case Report, Current Drug Safety 2021; 16. https://dx.doi.org/10.2174/1574886316666211122125215.
47. Meena DS, Kumar D, Bohra GK, Midha N. Gefitinib induced severe hyponatremia: A case report. J Oncol Pharm Pract. 2021 Apr;27(3):711-715.
48. Rajpurohit A, Sejoo B, Bhati R, Keswani P, Sharma S, Kumar D, Meena DS, Midha NK. Association of Stress Hyperglycemia and Adverse Cardiac Events in Acute Myocardial Infarction - A Cohort Study. Cardiovasc Hematol Disord Drug Targets. 2021;21(4):260-265
49. Gopalakrishnan M, Saurabh S, Sagar P, Bammigatti C, Dutta TK (2022) A simple mortality risk prediction score for viper envenoming in India (VENOMS): A model development and validation study. PLoS Negl Trop Dis 16(2): e0010183.
50. Kumar A, Gopalakrishnan M, Kuri HR, Bajpayee A, Kothari N, Garg MK. Case Report: Delayed Diffuse Alveolar Hemorrhage in Echis sochureki Envenoming, Jodhpur, India. Am J Trop Med Hyg. 2022; 106:967–9.
51. Rohila AK, Kumar S, Khichar S, Meena DS, Pandit SK. Right Atrial Thrombus in a Patient of Rheumatic Heart Disease with Severe Mitral Regurgitation: A Rare Association. Cardiovasc Hematol

Disord Drug Targets. 2021;21(3):202-205. doi: 10.2174/1871529X21666211018104733. PMID: 34666647.

Workshops/ Conferences Organized:

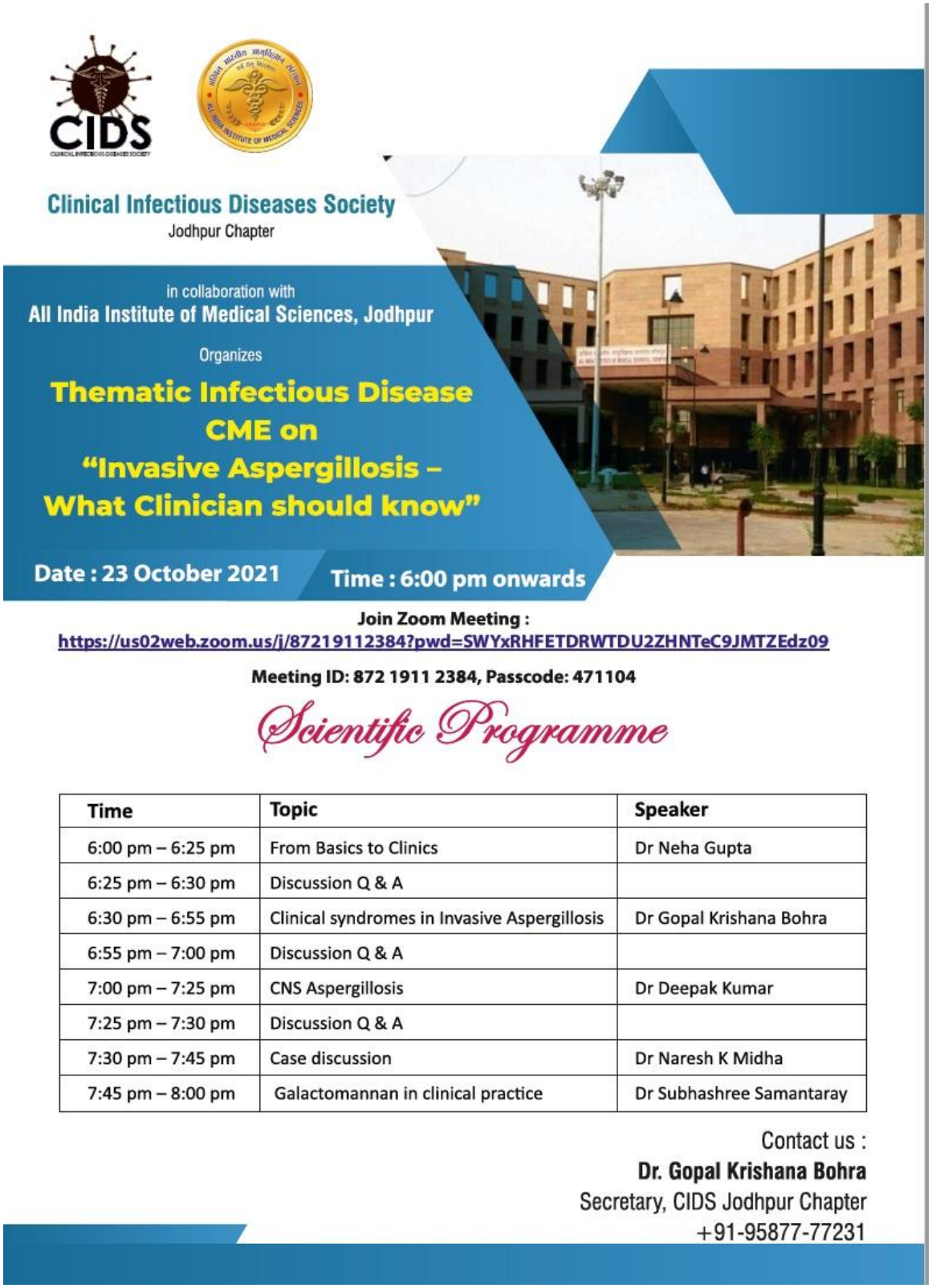
1. Department of General Medicine organized a physical CME on Infectious Diseases "Training/sensitization of Faculties of Dr.S.N. Medical College, Jodhpur" on 25th Feb 2022.





Faculties and delegates during the infectious disease CME

2. Department of General Medicine organized a virtual CME on invasive fungal infections “Invasive Aspergillosis – What Clinician should know” on 23rd October 2021.



Name of Faculty: Dr. Mahendra Kumar Garg
Designation: Professor and HOD

Books/Chapters

1. Gopalakrishnan M, Kumar B, Yadav P, Garg MK. COVID-19 endocrinopathies: implications for care. In Eds. Waters MD, Dhawan A, Marrs T, Anderson D, Warren S, Hughes CL. The Coronavirus Pandemic and the Future: Virology, Epidemiology, Translational Toxicology and Therapeutics. Published by Royal Society of Chemistry, 2021, Print ISBN: 978-1-83916-306-7 ePub eISBN: 978-1-83916-365-4
2. Khicher S, Midha N, Garg MK, Kumar A, Ahari K, Misra S. Human Resource Management, Preparedness, and Outcomes. In Eds. Waters MD, Dhawan A, Marrs T, Anderson D, Warren S, Hughes CL. The Coronavirus Pandemic and the Future: Virology, Epidemiology, Translational Toxicology and Therapeutics. Published by Royal Society of Chemistry, 2021, Print ISBN: 978-1-83916-306-7 ePub eISBN: 978-1-83916-365-4
3. Garg MK, Mittal M. Calcium and Phosphate Homeostasis. In Post graduate Medicine. Editor: Wander GS. Jaypee Brothers Medical Publishers (P) Limited; 2022. Volume 2, Chapter 122: p977-983

Symposium Speaker

1. Delivered talk over Cushing's Syndrome in 50th Golden Jubilee Annual Conference of Endocrine Society of India (ESICON 2021) held on to 10th -12th December 2021 at Bengaluru. (Online)

Examinership

1. MD (General Medicine) Examination. PGI Chandigarh, December 2021

Research Projects-

Co-Investigator-

1. Comparison of clinical characteristics and outcome in RTPCR positive and negative clinically diagnosed COVID-19: A Retrospective analysis.
2. A study of Metabolic Syndrome and its association with Inflammatory Markers & Insulin Resistance in school going children in Western Rajasthan.
3. A study of assessment of Thyroid, Adrenal and Prolactin function in COVID-19 patients in a tertiary care hospital.
4. Clinical effectiveness and patient related outcomes of "Treat to target" strategy in patients of Rheumatoid arthritis patients at AIIMS Jodhpur: A prospective interventional study.
5. "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.
6. Clinical profile and outcomes of Ankylosing Spondylosis: Prospective study.
7. Comparison of performance of four remission criteria and their relationship to patient reported outcomes in rheumatoid arthritis.
8. Relationship between body mass index and disease activity in patients with rheumatoid arthritis.
9. Effectiveness of Awake Self Proning strategy in COVID-19: An open-labelled randomized controlled trial.
10. Neurological complications in dengue fever – a retrospective study.
11. An International Multicentre, 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 project funded by International Network for Strategic Initiatives in Global HIV Trials (INSIGHT), University of Minnesota Australia.

12. Implementation of AMSP in various tertiary care centres in India; Extramural Project funded by ICMR New Delhi.

National/ International Conferences attended

1. 61st Annual Conference (NAMSCON-2021) held on 26-28 November 2021 at Institute of Medical Sciences, Banaras Hindu University, Varanasi.
2. Chaired a session on Cushing Syndrome at ESICON 2021: The 50th Golden Jubilee Annual Conference of Endocrine Society of India held on 10^{th} -12^{th} December 2021 at Bengaluru. (Online)

Name of Faculty: Dr. Gopal Krishana Bohra
Designation: Associate Professor

Books/Chapters

1. Vaswani S, Bohra G.K., Kumar D, Purohit A; COVID-19 and coagulopathy; The Coronavirus Pandemic and the Future, Michael D Waters, Alok Dhawan, Tim Marrs (Editors); First Edition, Royal Society of Chemistry 2021,
2. Kumar D, Mangalia R. Bohra G.K. et al; COVID-19 pharmacotherapy: present and future; The Coronavirus Pandemic and the Future; Michael D Waters, Alok Dhawan, Tim Marrs (Editors); First Edition, Royal Society of Chemistry 2021.

Symposium Speaker

1. Faculty training program for ID Institute of SNMC Jodhpur. conducted by AIIMS Jodhpur on 25^{th} Feb 2022.
2. Webinar "Tuberculosis – Difficulties in diagnosis and treatment". CIDS Jodhpur chapter and AIIMS Jodhpur, 7^{th} August 2021
3. Panellist for panel discussion on "Difficult case discussion on Tuberculosis" in CIDSCON 2021, held on 25^{th} – 29^{th} August 2021.

Research Project:

Ongoing

As Principal Investigator:

1. Clinico-microbiological profile and risk factor assessment in patients with multidrug resistant gram-negative bacterial blood stream infection.
2. A Composite study of Coagulation Milieu in COVID-19 from India – A cross sectional observational study.
3. Clinical Profile and complications of CLD in tertiary care centre

As Co-Investigator

1. Long Term follow-up of patients recovered from COVID-19 – A prospective Cohort study
2. Effect of Chronic Hepatitis B infection on Lipid Profile
3. Clinical features, Radiological findings, and treatment outcome in patients with pulmonary nocardiosis
4. Long term follow-up of patients recovered from COVID-19- A prospective cohort study.
5. Clinical features & mortality in first 500 COVID-19 Suspect SARI cases from Western Rajasthan, India.

6. Diagnostic utility of testing saliva samples for detection of SARS-CoV-2: Testing saliva samples for detecting SARS-CoV-2.

Examinership

1. External examiner for MD Examination. AIIMS Patna. January 2022.

National/ International Conferences attended:

1. HIV UPDATE 2022, Mumbai, 27th March 2022.
2. CIDS Webinar on "Tackling Omicron in India", 15th January 2022.
3. Webinar “Invasive Aspergillosis – What Clinician should know”, CIDS Jodhpur chapter and AIIMS Jodhpur, 23rd October 2021.
4. CIDSCON 2021 Annual Conference, 25th – 29th August 2021. (Online)
5. Webinar “Tuberculosis – Difficulties in diagnosis and treatment”, CIDS Jodhpur chapter and AIIMS Jodhpur, 7th August 2021.

Name of Faculty: Dr. Bharat Kumar
Designation: Assistant Professor

Books/Chapters-

1. COVID-19 endocrinopathies: implications for care” in ‘The Coronavirus Pandemic and the Future. Maya Gopalakrishnan, Bharat Kumar, Prakrati Yadav, M K Garg. The Coronavirus Pandemic and the Future; Michael D Waters, Alok Dhawan, Tim Marrs (Editors); First Edition, Royal Society of Chemistry 2021.

Research Projects:

Ongoing

As Principal Investigator

1. Comparison of clinical characteristics and outcome in RTPCR positive and negative clinically diagnosed COVID-19: A Retrospective analysis
2. A study of Metabolic Syndrome and its association with Inflammatory Markers & Insulin Resistance in school going children in Western Rajasthan.
3. A study of assessment of Thyroid, Adrenal and Prolactin function in COVID-19 patients in a tertiary care hospital

As Co-investigator

1. Lipid-lowering efficacy of statins and its safety profile in type 2 diabetes mellitus patients
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.

Membership/Post in Journal or Society or Association

1. Member; American College of Physicians (ACP Number: 03990258)

2. Member, American Association of Clinical Endocrinology (AACE)
3. Member, European Society of Hypertension (ESH) & Journal of Hypertension (No. 000297578650)

National/ International Conferences attended:

1. Annual Conference of Indian Rheumatology Association (IRACON 2021), Dec. 2021 (Online).
2. Annual Conference of Endocrine Society of India (ESICON 2021), December 2021, Bengaluru.
3. Annual Conference of Research Society for Study of Diabetes in India (RSSDI 2021), Nov. 2021 (Virtual).
4. Annual Indian Geriatric Conference (GERICON 2021), Dec. 2021 (Virtual).
5. Annual Conference of Diabetes in Pregnancy Study Group India, (DIPSI 2021), Aug. 2021 (Virtual).
6. e-SPACE Cardio Renal Metabolic 2022, March 2022 (Virtual).
7. 4th Cardiac Summit 2021, Sep. 2021 (Virtual).
8. 5th International Diabetes Expert Conclave 2021, Sept. 2021 (Virtual).
9. Diabetes India 2021, June 2021 (Virtual).
10. eRAJAPICON 2021, Oct. 2021 (Virtual)

Paper Presentations

1. Delivered lectures on “Approach to common symptoms in elderly” and “Endocrinology and Nutrition in elderly” for training of Medical Officers in Comprehensive Geriatric Care under NPHCE.

Awards

1. IJEM “Best Original Article” award 2020-21, ESICON 2021.

Name of Faculty : Dr Maya Gopalakrishnan
Designation: Assistant Professor

Symposium Speaker

1. “Venom induced consumption coagulopathy: challenges in management”. Demystifying snakebites: Reducing snakebite mortality in India, Wayanad Institute of Medical Sciences, Kerala, Sept 2021. (Online)

Resource Faculty:

1. Invited Panellist for Snake venoms and snakebite Therapeutics, Bangalore Tech Summit with Indian Institute of Science, Bangalore, November 2021.
2. Invited speaker for roundtable on “Snakebite and Disability: Counting the Neglected”, chaired by Hon’ble Union Minister of State for Social Justice & Empowerment, Government of India and by attended by policymakers from NITI Ayog, Ministry of tribal affairs and WHO technical officer for snakebite, Dec 2021.

Conference presentation:

1. Panel discussion (as Speaker) “Exploring empathy, advocacy, and neglect in the context of neglected tropical diseases: A mixed methods study from India.” with an International Panel of snakebite experts in Women Champions of Snakebite Meeting 2021, November 2021.

2. Changing Pattern of Acute Poisoning in Jodhpur, India. European Congress on Tropical Medicine and travellers Health (Virtual) held at Bergen, Norway on 29th Sep-1st Oct 2021.Presented by Dr Akhilesh (Senior Resident).
3. Adrenal dysfunction in patients with dengue: A hospital-based study from Jodhpur, India in American society of Tropical Medicine and Hygiene conference 2021 held at Maryland, USA on 17th Nov-20th Nov 2021. Presented online by Dr Prakrati Yadav (Junior Resident).
4. Antivenom responsive VICC in Echis sochureki: A single centre experience form Jodhpur, India in Venoms and Toxins, Oxford 2021 held virtually on 25th -28th August 2021.Presented by Dr. Veena (Junior Resident).
5. Competency based approach for enabling medical research among undergraduate medical students in India: a nation-wide survey; presented at 65th Annual National Conference of the Indian Public Health Association (IPHACON 2021) organized by IPHA Pondicherry State Branch from **24th to 26th September 2021**. (Presented by Ms Anushka Joshi) (MBBS student)

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.
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. Clinical profile and outcomes of Ankylosing Spondylosis: Prospective study
4. Comparison of performance of four remission criteria and their relationship to patient reported outcomes in rheumatoid arthritis
5. Relationship between body mass index and disease activity in patients with rheumatoid arthritis

As Co-Investigator

1. Pilot study on seropositivity for scrub typhus among cases of acute febrile illness at a tertiary care centre in Western India.
2. ICMR Network of Pulmonary Fibrosis
3. Lutetium-177 hydroxyapatite radio-synoviorthesis in chronic inflammatory arthritis and refractory arthropathies of the knee joint

Completed projects:

As Principal Investigator

1. Digitalizing Rheumatology: Telemedicine for rheumatology care of rheumatology patients.
2. Effectiveness of Awake Self Proning strategy in COVID-19: An open-labelled randomized controlled trial.
3. Effect of COVID-19 and containment strategy in snakebite envenoming: A multicentre study; non-funded extramural project of
4. Clinical profile and outcomes of poisoning patients in AIIMS Jodhpur.

5. Digital Gangrene as the presenting clinical feature in connective tissue disorders: a retrospective record-based case series.

As Co-Investigator:

1. GBS consortium and the study "Impact of COVID19 on the frequency, spectrum and outcomes of Guillain-Barre Syndrome in India: A Multicentre Ambispective Cohort Study. Led by AIIMS Delhi. (Extramural Project of ICMR New Delhi).

Scientific Awards/Patents

1. International Exchange grants, Royal Society, UK (as overseas co-applicant) for proposal titled 'Snakebite risk mapping in Rajasthan, India: An Integrated Approach', July 2021
2. Nominated as an International Snakebite Champion and featured on the website and social media campaign by Health action International and Global Snakebite Initiative, 4th annual International Snakebite Awareness Day, Sept 2021.

Examinership

1. Internal Examiner for Medicine Final MBBS examination at AIIMS, Jodhpur, January 2022
2. Internal Examiner for Medicine Final MBBS examination at AIIMS, Jodhpur Supplementary batch, February 2022
3. External Examiner for Medicine Final MBBS examination at AIIMS, Patna, December 2021

Membership/Post in Journal or Society or Association

1. Inaugural steering committee member; Snakebite Research Network, India, February 2022
2. Review Editor; Editorial Board of Frontiers in Tropical Diseases, specialty section of Neglected Tropical Diseases (specialty section of Frontiers in Tropical Diseases), July 2021

National/ International Conferences attended:

1. Demystifying snakebites: Reducing snakebite mortality in India organized by Wayanad Institute of Medical Sciences, Kerala (Online) in Sept 24th 2021
2. Snakebite and Disability: Counting the Neglected-on World Disability Day- 3rd Dec 2021 organised by Integrated Health and Wellbeing council with ministry of Tribal affairs, Government of India: Online
3. Women Champions of Snakebite Meeting: 24th November 2021, Organised by Health Action International (Online).
4. Snake venoms and snakebite Therapeutics in Bangalore Tech Summit November 17th, 2021, organised by Department of Information Technology and Biotechnology (ITBT), Government of Karnataka at Bangalore. (Attended Online)

Others:

1. Nominated and contributing actively as a faculty in the Department of Medical Education and Technology (DMET), AIIMS Jodhpur.
2. Pursuing Global Health and Humanitarian Medicine Course towards Diploma in Tropical Medicine.

Name of Faculty: - Dr. Naresh Kumar Midha
Designation: Assistant Professor

Books/Chapters-

1. Khichar S, Midha N, Garg MK. et al Human resource management, preparedness, and outcomes; The Coronavirus Pandemic and the Future; Michael D Waters, Alok Dhawan, Tim Marrs (Editors); First Edition, Royal Society of Chemistry 2021.

Symposium Speaker

1. Speaker in "faculty training program for ID Institute of SNMC Jodhpur" conducted by AIIMS Jodhpur on 25th Feb 2022.
2. "Invasive Aspergillosis – What Clinician should know", CIDS Jodhpur chapter and AIIMS Jodhpur, 23rd October 2021. (Online)

Conference presentation

1. Occurrence of Idiopathic CD4 Lymphocytopenia in Disseminated Infections, Accepted in ECCMID 2022; 32nd European Congress of Clinical Microbiology & Infectious Diseases to be held at Lisbon, Portugal.

Research Project
Ongoing:
As Principal Investigator

1. Neurological complications in dengue fever – a retrospective study
2. "PROCALCITONIN vs HS-CRP as predictor marker for long term functional outcome in patients with ischemic stroke"
3. Role of urinary podocin levels in early diagnosis of renal injury in diabetic nephropathy

As Co-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
2. Prospective observational study of ambulatory blood pressure monitoring in resident doctors and its correlation with serum melatonin, cortisol and HsCRP levels.
3. Multidisciplinary approach of diabetic foot in special clinic.
4. ICMR national stroke registry program.

5. 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 project funded by International Network for Strategic Initiatives in Global HIV Trials (INSIGHT), University of Minnesota Australia.
6. Clinical profile and outcomes of Ankylosing Spondylosis: Prospective study.

Completed Projects

1. Effectiveness of AYUSH 64 ayurvedic drug in the patients of COVID-19 with milder severity.
2. Clinical profile, risk factors and treatment outcome in the patients of liver abscess: a study from Rajasthan, India.

Membership/Post in Journal or Society or Association (List those obtained in the specified time)

1. Life Member; Clinical Infectious Disease Society of India.
2. Member; European Society of Clinical Microbiology and Infectious Disease
3. Member; Royal School of Tropical Medicine & Hygiene

National/ International Conferences attended

1. CIDS Jodhpur chapter and AIIMS Jodhpur, Webinar "Invasive Aspergillosis – What Clinician should know" 23rd October 2021.
2. CIDS Jodhpur chapter and AIIMS Jodhpur, Webinar "Tuberculosis – Difficulties in diagnosis and treatment" 7th August 2021
3. Online workshop on BIOSTATISTICS organized by Science Tech Institute, Lucknow held on 26th – 27th July 2021.
4. "Training of Trainer" online workshop of Medical Education, organized by AIIMS New Delhi held on 27th-28th August 2021
5. Training of Master Trainers of Primary Care Physicians on Integrated Care of Older People (ICOPE) 22nd to 24th November 2021.

Examinership

1. External examiner for MBBS, S.P. Medical College, Bikaner, 8th – 10th Mar 2022.

Name of Faculty: Dr Deepak Kumar
Designation: Assistant Professor

Books/Chapters

1. Vaswani S, Bohra G.K., Kumar D, Purohit A; COVID-19 and coagulopathy; The Coronavirus Pandemic and the Future, Michael D Waters, Alok Dhawan, Tim Marrs (Editors); First Edition, Royal Society of Chemistry 2021.
2. Kumar D, Mangalia R. et al; COVID-19 pharmacotherapy: present and future; The Coronavirus Pandemic and the Future; Michael D Waters, Alok Dhawan, Tim Marrs (Editors); First Edition, Royal Society of Chemistry 2021.
3. Gupta A, Kumar D, Meena DS. Drug Resistance in Parasitic Diseases, Medicine Update 2022, API Board (Editors), published on Nov 2021.

Papers Presented:

1. Invasive cerebral aspergillosis in non-neutropenic patients: A case series from Western India; Accepted in ECCMID 2022; 32nd European Congress of Clinical Microbiology & Infectious Diseases to be held at Lisbon, Portugal.
2. Prosthetic valve endocarditis due to Candida parapsilosis – A case report presented at Virtual CIDSCON 2021, 11th Annual Conference of Clinical Infectious Diseases Society, India held on 25th - 29th Aug 2021. (Online)
3. Clinical profile of bloodstream infections in covid-19 patients: A Retrospective cohort study: presented at Virtual CIDSCON 2021, 11th Annual Conference of Clinical Infectious Diseases Society, India, 25th – 29th Aug 2021. (Online)

4. Clinical features, radiological findings & treatment outcomes in patients with pulmonary nocardiosis - A retrospective analysis; presented at Virtual CIDSCON 2021, 11th Annual Conference of Clinical Infectious Diseases Society, India, 25th - 29th Aug 2021. (Online)
5. Early diagnosis of sepsis using novel biomarkers fibroblast growth factor 21 (FGF21) & Neutrophil granularity intensity (NEUT-GI); Accepted in ECCMID 2022; 32nd European Congress of Clinical Microbiology & Infectious Diseases to be held at Lisbon, Portugal.
6. Occurrence of Idiopathic CD4 Lymphocytopenia in Disseminated Infections; Accepted in ECCMID 2022; 32nd European Congress of Clinical Microbiology & Infectious Diseases to be held at Lisbon, Portugal.
7. The emergence of gram-positive blood stream infections in developing countries – Prospective Cohort Study; Accepted in ECCMID 2022; 32nd European Congress of Clinical Microbiology & Infectious Diseases to be held at Lisbon, Portugal.

Research Project:

Ongoing:

As Principal 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 project funded by International Network for Strategic Initiatives in Global HIV Trials (INSIGHT), University of Minnesota Australia.
2. Implementation of AMSP in various tertiary care center in India; Extramural Project funded by ICMR New Delhi.
3. Clinico-microbiological profile of pneumonia and role of urinary streptococcal antigen in diagnosis of pneumococcal pneumonia.
4. Clinico-microbiological profile of Urinary Tract Infection and detection of beta-lactamases by multiplex PCR.

As Co-Investigator

1. WHF Global study on COVID-19 and cardiovascular diseases. Extra Mural project funded by World Heart Federation.
2. Effectiveness of Covaxin and Covishield vaccines against severe COVID-19 in India, 2021: Multi-centric hospital-based case control study; Extramural project funded by ICMR New Delhi.
3. **One Health' consortium**-surveillance of important bacterial, viral, and parasitic infections of zoonotic as well as transboundary pathogens in the country; Extramural project funded by Department of Biotechnology (Government of India), New Delhi.
4. 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.
5. Role of urinary-lipoarabinomannan (LAM) assay in rapid detection of tuberculosis in hospitalized patients with HIV Infection.
6. Utility of Xpert mtb/rif ultra in rapid diagnosis of extra-pulmonary tuberculosis and rifampin resistance – a diagnostic study.
7. Evaluation of risk factors, diagnostic role of galactomannan and outcomes of invasive aspergillosis in non-neutropenic patients– a prospective study.

8. Rapid Detection of Pulmonary Tuberculosis in newly diagnosed HIV infection by using sputum CBNAAT.
9. The study of prevalence of idiopathic CD4 T-cell lymphocytopenia in HIV negative patients with disseminated infections.
10. Evaluation of role of novel biomarkers serum fibroblast growth factor 21 (FGF-21) level and neutrophil parameters {neutrophil-granularity-intensity (NEUT-GI) and neutrophil-reactivity-intensity (NEUT-RI)} in diagnosis and prognosis in sepsis.
11. Clinico-microbiological profile and risk factor assessment in patients with multidrug resistant gram-negative bacterial blood stream infection.
12. Clinico-microbiological profile and risk factor assessment in patients with multidrug resistant gram-positive bacterial blood stream infection.
13. Long term follow-up of patients recovered from COVID-19- A prospective cohort study.
14. National Clinical Registry of COVID-19. Extra-Mural project funded by ICMR New Delhi.
15. Predictors of Clinical Outcomes in Adult COVID-19 Patients Admitted to a Tertiary Care Hospital in Western India.
16. A Composite study of Coagulation Milieu in COVID-19 from India – A cross sectional observational study.
17. Evaluation of pathological findings of COVID-19 by minimally invasive autopsies: A single tertiary care center experience from India.
18. Clinical features and mortality in first 500 COVID-19 Suspect SARI cases from Western Rajasthan, India.
19. Diagnostic utility of testing saliva samples for detection of SARS-CoV-2: Testing saliva samples for detecting SARS-CoV-2.
20. Viral RNA Shedding and Transmission Potential of Asymptomatic and Pauci-symptomatic COVID-19 Patients.

Examinership

1. External examiner for MBBS, S.P. Medical College, Bikaner, 8th – 10th Mar 2022.

Membership/Post in Journal or Society or Association

1. Member; Infectious disease society of America
2. Member; European Society of Microbiology and Infectious Disease

National/ International Conferences attended:

1. HIV UPDATE 2022, Mumbai, 27th March 2022.
2. CIDS Webinar on "Tackling Omicron in India", 15th January 2022,
3. FeFCon 2021, 19th -21st November 2021.
4. CIDS Jodhpur chapter and AIIMS Jodhpur, Webinar “Invasive Aspergillosis-What Clinician should know” 23rd October 2021.
5. Workshop on management of Tuberculosis – AIIMS Jodhpur, 2021
6. CIDSCON 2021 Annual Conference, 25th – 29th August 2021. (Online)
7. CIDS Jodhpur chapter and AIIMS Jodhpur, Webinar “Tuberculosis – Difficulties in diagnosis and treatment”, 7th August 2021. (Online)
8. CIDS Webinar Series on COVID 19 management, 11th – 16th April 2020. (Online)

Name of Faculty: Dr Satyendra Khichar
Designation: Assistant Professor

Resource Faculty

1. Programmatic management of tuberculosis in India organized at AIIMS Jodhpur, 14th Nov. 2021

Paper presented in conference-

As co-author

1. Endocrine dysfunction among patients with COVID-19: A single-center experience from a tertiary hospital in India, ESICON 2021, December 2021

Research Project –

Ongoing

As Principal Investigator:

1. Prevalence of Vitamin D deficiency in school going children in Western Rajasthan- A cross sectional observational study.
2. COVID – 19 infection and outcomes in vaccinated individuals: A case control study

As Co-Investigator:

1. A Prospective Cohort study to evaluate the severity and outcomes of SARS-CoV-2 infection and correlation of clinical outcomes with virus variants. (Extra-Mural project funded by Department of Biotechnology, Govt of India)
2. Sentinel surveillance for adverse events of special interest following COVID- 19 vaccination in India. (Extra- Mural project funded by Ministry of Health and Family Welfare, Govt of India))
3. Clinical profile and outcome of patients with acute poisoning in AIIMS Jodhpur
4. "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, United Kingdom.
5. Comparison of RTPCR positive and Negative COVID-19 patients for clinical presentation, risk factors and clinical outcome: A Retrospective analysis
6. The study of prevalence of idiopathic CD4 T-cell lymphocytopenia in HIV negative patients with disseminated infections.
7. Evaluation of role of novel biomarkers serum fibroblast growth factor 21 (FGF-21) level and neutrophil parameters {neutrophil-granularity-intensity (NEUT-GI) and neutrophil-reactivity-intensity (NEUT-RI)} in diagnosis and prognosis in sepsis.
8. Clinical profile of patients with chronic liver disease and precipitating factors in hepatic encephalopathy
9. Serum prolactin level as a biomarker of severity in chronic liver disease

Completed –

As principal Investigator

1. Evaluation of association between COVID – 19 and Mucor mycosis- Ambispective Cohort study

As Co-Investigator

1. Effectiveness of Awake Self Proning strategy in COVID-19: An open-labelled randomized controlled trial
2. Outcome of COVID-19 patients on anti- hypertensive drugs

Scientific Awards –

1. Co-author on the Best paper award at ESICON 2021: The 50th Golden Jubilee Annual Conference of Endocrine Society of India held on to 10th -12th December 2021 at Bengaluru; Endocrine dysfunction among patients with COVID-19: A single-center experience from a tertiary hospital in India. (Online)

Others –

1. Nominated and contributing actively as a faculty in the Department of Medical Education and Technology (DMET), AIIMS Jodhpur

Name of Faculty : - Dr. Durga Shankar Meena
Designation: Assistant Professor

Papers Presented (as a co-author):

1. Prosthetic valve endocarditis due to Candida parapsilosis – A case report presented at Virtual CIDSCON 2021, 11th Annual Conference of Clinical Infectious Diseases Society, India, 25th – 29th Aug 2021. (Online)
2. Clinical features, radiological findings & treatment outcomes in patients with pulmonary nocardiosis - A retrospective analysis; presented at Virtual CIDSCON 2021, 11th Annual Conference of Clinical Infectious Diseases Society, India, 25th – 29th Aug 2021. (Online)
3. Early diagnosis of sepsis using novel biomarkers fibroblast growth factor 21 (FGF21) & Neutrophil granularity intensity (NEUT-GI); Accepted in ECCMID 2022; 32nd European Congress of Clinical Microbiology & Infectious Diseases to be held at Lisbon, Portugal.
4. Occurrence of Idiopathic CD4 Lymphocytopenia in Disseminated Infections, Accepted in ECCMID 2022; 32nd European Congress of Clinical Microbiology & Infectious Diseases to be held at Lisbon, Portugal.

Research Project:
Ongoing:
Principle Investigator

1. The clinical utility of serum procalcitonin in prediction of multidrug resistance blood stream infections

As Co-Investigator

1. An International Multicentre, 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, Funded by NIH, USA)
2. Implementation of AMSP in various tertiary care centre in India. (Extra Mural, Funded by ICMR, INDIA)
3. Randomised evaluation of COVID-19 Therapy (RECOVERY) (Extra Mural, funded by NIHR, WELLCOME, UK)

4. 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, funded by Medical Research Council UK)
5. Clinico-microbiological profile of pneumonia and role of urinary streptococcal antigen in diagnosis of pneumococcal pneumonia.
6. Clinico-microbiological profile of Urinary Tract Infection and detection of beta-lactamases by multiplex PCR
7. 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.
8. Utility of Xpert mtb/rif ultra in rapid diagnosis of extra-pulmonary tuberculosis and rifampin resistance – a diagnostic study.
9. Evaluation of risk factors, diagnostic role of galactomannan and outcomes of invasive aspergillosis in non-neutropenic patients– a prospective study.

Membership/Post in Journal or Society or Association

1. Member; Society of Antimicrobial Stewardship Practices in India (SAPSI)
2. Member; The European Society of Clinical Microbiology and Infectious Diseases (ESCMID)
3. Member; The Association of Physicians of India (API)

National/ International Conferences attended:

1. ID week workshop 2021 (Antibiotic Stewardship into Outpatient Settings), 22th September 2021, online
2. SEPSISCON 2021, 11th -12th September 2021. (Online)
3. CIDSCON 2021 Conference, 25th – 29th August 2021. (Online)
4. ADA PRIMER, 27th -29th August 2021. (Online)
5. Webinar “Tuberculosis – Difficulties in diagnosis and treatment”, CIDS Jodhpur chapter and AIIMS Jodhpur, 7th August 2021. (Online)

Name of Faculty: - Dr. Amit Kumar Rohila
Designation: Assistant Professor (Trauma & Emergency)

Department of General Surgery

S.No.	Name	Designation
1	Dr. Ashok Puranik	Professor & Head
2	Dr. Naveen Sharma	Professor
3	Dr. Ramkaran Chaudhary	Additional Professor
4	Dr. Mahendra Lodha	Associate Professor
5	Dr. Satya Prakash Meena	Associate Professor
6	Dr. Mayank Badkur	Assistant Professor
7	Dr. Niladri Banerjee	Assistant Professor
8	Dr. Aditya Baksi	Assistant Professor
9	Dr. Supreet Kaur	Assistant Professor
10	Dr. Indra Singh Choudhary	Assistant Professor
11	Dr. Mahaveer Singh Rodha	Additional Professor (Trauma & Emergency)

About the Department:

The Department of General Surgery is running to its fullest capacity with 90% 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 advanced laparoscopy and trauma care. Elective operation theatres are operational to their full capacity. Our emergency operation theatre has witnessed large number of life and limb saving surgeries and is usually running busy.

At the beginning of this year, we were hit by the second wave of the Covid 19 pandemic, which was even more severe than in 2020. Just after the second wave of Covid there was an epidemic of mucormycosis. Our Department has tried its best to acclimatize to these challenging scenarios and has performed best to its capacity to deliver maximum benefit to patients and students.

Through telemedicine facility, our Department has treated various new patients and followed up many patients to assess their condition so that needy patients can be prioritized, and proper treatment arrangement can be made through ongoing emergency services. Though elective operations were withheld for some time, patients were prioritized and accommodated for treatment depending on the severity and urgency of the disease. Malignant diseases (Breast, Thyroid, Gastrointestinal, soft tissue etc.) and life-saving surgeries were done to our full capacity. Pandemic-specific challenges were faced from front with confidence, almost all of our faculty and residents also got infected with Covid-19 but with a structured approach and constant support from the institute, we tried to provide the best surgical care.

This pandemic has also affected teaching pattern. Our institute has formulated a very student centric online teaching platform. Our 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.

Total 24 students are pursuing post-graduation in General Surgery at present. This year, the Department also conducted online post graduate 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 on online platform and two batches of postgraduate students passed the examination with flying colors. Departmental 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-disease elements.

Our Department is a board-certified exam center for DNB General Surgery examination and an approved site for ATLS/ATCN courses. This year, we also conducted two ATLS Provider Course and the inaugural ATCN Provider Course.

Compiled list of Publications of the Department:
PubMed Indexed:

1. Puranik AK, Maity S, Meena S P, Lodha M, et al. Quality of Life of Patients with Major Amputations in the Tertiary Care Center of Western Rajasthan: A Prospective Observational Study in 2019-2020. Cureus 2021; 13(12): e20419. doi:10.7759/cureus.20419
2. Rodha MS, Meena SP, Soni SC, Sharma N. Laparoscopic transhiatal oesophageal diverticulectomy: An experience of large epiphrenic oesophageal diverticulum and review literature. J Minim Access Surg. 2021 Nov 15. doi: 10.4103/jmas.jmas_195_21. Epub ahead of print. PMID: 35046175.
3. Banerjee N, Sharma N, Soni KD, Bansal V, Mahajan A, Khajanchi M, Gerdin Wärnberg M, Roy N. Are home environment injuries more fatal in children and the elderly? Injury. 2022 Mar 25:S0020-1383(22)00240-6. doi: 10.1016/j.injury.2022.03.050. Epub ahead of print. PMID: 35367079.
4. Meena SP, Sairam MV, Puranik AK, Badkur M, Sharma N, Lodha M, Rohda MS, Kothari N. Risk Factors and Patient Outcomes Associated With Immediate Post-operative Anasarca Following Major Abdominal Surgeries: A Prospective Observational Study From 2019 to 2021. Cureus. 2021 Dec 23;13(12):e20631. doi: 10.7759/cureus.20631. PMID: 34963874; PMCID: PMC8696563.
5. Meena SP, Badkur M, Rodha MS, Lodha M, Puranik A, Premi KK. Feasibility of safe laparoscopic surgery performed by junior residents without exposure of open appendectomy: A retrospective study. J Family Med Prim Care. 2022 Feb;11(2):581-586. doi: 10.4103/jfmpc.jfmpc_1196_21. Epub 2022 Feb 16. PMID: 35360791; PMCID: PMC8963655.
6. Meena SP, Jhirwal M, Puranik AK, Sharma N, Rodha MS, Lodha M, Badkur M. Awareness and experience of health-care workers during coronavirus disease 2019 pandemic. J Educ Health Promot. 2021 Mar 31;10:110. doi: 10.4103/jehp.jehp_874_20. PMID: 34084857; PMCID: PMC8150085.
7. Meena SP, Acharya N, Kala P C, et al. Isolated Chest Wall Necrotizing Fasciitis: An Unusual Fatal Manifestation of Extrapulmonary Tuberculosis. Cureus;2021 13(12): e20585. DOI 10.7759/cureus.20585
8. Meena SP, Badkur M, Rodha MS, Lodha M, Puranik A, Premi KK. Feasibility of safe laparoscopic surgery performed by junior residents without exposure of open appendectomy: A retrospective study. J Family Med Prim Care. 2022 Feb;11(2):581-586. doi: 10.4103/jfmpc.jfmpc_1196_21. Epub 2022 Feb 16. PMID: 35360791; PMCID: PMC8963655.
9. Meena SP, Vency AC, Badkur M, Rodha MS Left-Sided Strangulated Obturator Hernia: A Rare Case Report and Literature Review. Int J Appl Basic Med Res. 2021 Jul-Sep; 11(3):198-200.
10. Shekhar H, Sharma N, Singh SK, Garg PK, Bhatt S, Saha R, Verma AK. Clinico-radiological profile of the patients with empyema thoracis: A prospective analytical study. Indian J Tuberc. 2021 Oct;68(4):491-496. doi: 10.1016/j.ijtb.2021.03.007. Epub 2021 Mar 11. PMID: 34752319.
11. Bolia R, Dhanesh Goel A, Badkur M, Jain V. Gastrointestinal Manifestations of Pediatric Coronavirus Disease and Their Relationship with a Severe Clinical Course: A Systematic Review and Meta-analysis. J Trop Pediatr. 2021 May 17;67(2):fmab051. doi: 10.1093/tropej/fmab051. PMID: 34050766; PMCID: PMC8244720.

12. Sarangi S, Rao M, Elhence PA, Nalwa A, Bharti JN, Khera S, Vedant D, Vishwajeet V, Vishnoi JR, Sharma N, Pareek P. Risk Stratification of Breast Fine-Needle Aspiration Biopsy Specimens Performed without Radiologic Guidance by Application of the International Academy of Cytology Yokohama System for Reporting Breast Fine-Needle Aspiration Cytopathology. Acta Cytol. 2021;65(6):483-493. doi: 10.1159/000518790. Epub 2021 Sep 14. PMID: 34535580.
13. Bhandarkar P, Patil P, Soni KD, O'Reilly GM, Dharap S, Mathew J, Sharma N, Sarang B, Gadgil A, Roy N; Australia-India Trauma System Collaboration. An Analysis of 30-Day in-Hospital Trauma Mortality in Four Urban University Hospitals Using the Australia India Trauma Registry. World J Surg. 2021 Feb;45(2):380-389. doi: 10.1007/s00268-020-05805-7. Epub 2020 Oct 21. PMID: 33084947; PMCID: PMC7773616.
14. Sarang B, Raykar N, Gadgil A, Mishra G, Wärnberg MG, Rattan A, Khajanchi M, Soni KD, Mohan M, Sharma N, Kumar V, Kv D, Roy N; Towards Improved Trauma Care Outcomes TITCO-India. Outcomes of Renal Trauma in Indian Urban Tertiary Healthcare Centres: A Multicentre Cohort Study. World J Surg. 2021 Dec;45(12):3567-3574. doi: 10.1007/s00268-021-06293-z. Epub 2021 Aug 21. PMID: 34420094; PMCID: PMC8572839.COVIDSurg Collaborative; GlobalSurg Collaborative. Timing of surgery following SARS-CoV-2 infection: an international prospective cohort study. Anaesthesia. 2021 Mar 9. doi: 10.1111/anae.15458. Epub ahead of print. PMID: 33690889.
15. Soni KD, Khajanchi M, Raykar N, Sarang B, O'Reilly GM, Dharap S, Cameron P, Sharma N, Howard T, Farrow N, Roy N. Does in-hospital trauma mortality in urban Indian academic centres differ between "office-hours" and "after-hours"? J Crit Care. 2021 Apr;62:31-37. doi: 10.1016/j.jcrc.2020.11.009. Epub 2020 Nov 17. PMID: 33242732.
16. Verma A, Sharma N, Chilkoti G, Garg PK. Intra-operative pain & patient satisfaction during Lichtenstein repair under local anesthesia versus spinal anesthesia: an open-label randomized controlled trial. Hernia. 2022 Jan 11. doi: 10.1007/s10029-022-02561-6. Epub ahead of print. PMID: 35015168.
17. Varshney B, Bharti JN, Saha S, Sharma N. Crystallising galactocele of the breast: a rare cytological diagnosis. BMJ Case Rep. 2021 May 25;14(5):e242888. doi: 10.1136/bcr-2021-242888. PMID: 34035028; PMCID: PMC8154932.
18. Jain BK, Gupta H, Mohta M, Sharma N, Gupta S. Simple Anal Fistula: Clinical Criteria for Diagnosis and Local Anesthesia with Conscious Sedation for Surgery - An Observational Study. Ann Colorectal Res. 2021;9(1):24-31. doi: 10.30476/ACRR.2021.90260.1085.
19. Roy D, Purohit P, Modi A, Khokhar M, Shukla RKG, Chaudhary R, Sankanagoudar S, Sharma P. Growth Differentiation Factor-15 as a Biomarker of Obese Pre-diabetes and Type 2 Diabetes Mellitus in Indian Subjects: A Case-control Study. Curr Diabetes Rev. 2022;18(1):e010321189862. doi: 10.2174/1573399817666210104101739. PMID: 33397240.
20. Gupta D, Gupta A, Nalwa A, Yadav T, Chaudhary R, Rao M. Cytopathologic findings in histiocytic sarcoma of thyroid mimicking as anaplastic carcinoma: A report of a rare case with review of literature. Diagn Cytopathol. 2021 Jun;49(6):E218-E221. doi: 10.1002/dc.24679. Epub 2020 Dec 5. PMID: 33277975.
21. Chugh, A, Purohit, P, Rodha MS *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.* (2021).
22. Sinha A, Saxena R, Pathak M, Rodha MS. Conjoined Thoracopagus Twins - Our Experience of Successful Separation. J Indian Assoc Pediatr Surg. 2021 Sep-Oct;26(5):354-357
23. Sharma R, Thirunavukkarasu B, Elhence P, Rodha MS, Sureka B. Eosinophilic Solid & Cystic Renal Cell Carcinoma: From Unclassified to Classified, A Case Report Turk Patoloji Derg. 2022; 38(1):60-65. English.

24. Jhirwal M, Sharma C, Shekhar S, Singh P, Meena SP. Decreasing the Duration of Point of Decision to Getting Non-stress Test Done: A Quality Improvement Study. J Obstet Gynaecol India. 2021 Oct 2:1-7. doi: 10.1007/s13224-021-01551-5. Epub ahead of print. PMID: 34629785; PMCID: PMC8487224.
25. Banerjee N, Lodha M, Kompally P, Chawla S. Post-COVID-19 Intestinal and Mesenteric Mucormycosis. Am Surg. 2021 Nov 3:31348211048841. doi: 10.1177/00031348211048841. Epub ahead of print. PMID: 34730420.
26. Saini R, Bhagat VK, Thirunavukkarasu B, Baksi A. Fulminant necrotising amoebic colitis after corticosteroid therapy for severe COVID-19. *BMJ Case Rep* 2021;14(10):e246110.
27. Banerjee N, Banerjee AR, Agarwal H, Agarwal H. An epidemic within a pandemic. Trop Doct. 2022 Jan;52(1):9-10. doi: 10.1177/00494755211041876. Epub 2021 Aug 30. PMID: 34461778; PMCID: PMC8891887.
28. Baksi A, Aggarwal S. Reply to: Inclusion of Orogastric Tube in the Staple Line During Laparoscopic Roux-en-Y Gastric Bypass: An Avoidable Complication. Obes Surg. 2021 Sep;31(9):4193-4194.
29. Singh D, Baksi A, Ramana P, Singla V, Aggarwal S. Five-Year Outcomes of Sleeve Gastrectomy in Patients with Class I Obesity and Type 2 Diabetes Mellitus. Obes Surg. 2022;32(1):96-102.
30. Jain S, Baksi A, Kumar A, Aggarwal S. Inclusion of Orogastric Tube in the Staple Line During Laparoscopic Roux-en-Y Gastric Bypass: An Avoidable Complication. Obes Surg. 2021 Jun;31(6):2835-2836.
31. Kumar A, Baksi A, Yadavalli SD, Aggarwal S. Incidental Jejunal Lesion Necessitating Intraoperative Change of Plan During Bariatric Surgery: A Video Case Report. Obes Surg. 2021 May;31(5):2344-2345.
32. Dar PMUD, Kaur S, Sharma A, Kumar S. Intraperitoneal urinary bladder rupture as a cause of pneumoperitoneum. Am Surg. 2021 Jun 10:31348211025765. doi: 10.1177/00031348211025765. Epub ahead of print.
33. Kaur S, Joshi M, Agarwal H, Bagaria D. Massive parietal defect with multiple enteroatmospheric fistulae after thermal injury abdomen in a metal industry accident: Case report of a rare survivor. Trop Doct. 2021 Oct;51(4):596-598.
34. Dar PMUD, Kaur S, Kumar V, Ghoshal S, Alam J, Kumar A, Kumar S, Sagar S. Blunt trauma to brachiocephalic artery: presentation and management. Am Surg. 2021 Dec 1:31348211056265. doi: 10.1177/00031348211056265. Epub ahead of print.
35. COVIDSurg Collaborative; GlobalSurg Collaborative. SARS-CoV-2 infection and venous thromboembolism after surgery: an international prospective cohort study. Anaesthesia. 2022 Jan;77(1):28-39. doi: 10.1111/anae.15563. Epub 2021 Aug 24. PMID: 34428858; PMCID: PMC8652887.
36. COVIDSurg Collaborative; GlobalSurg Collaborative. Timing of surgery following SARS-CoV-2 infection: an international prospective cohort study. Anaesthesia. 2021 Jun; 76(6):748-758. doi: 10.1111/anae.15458. Epub 2021 Mar 9. PMID: 33690889; PMCID: PMC8206995.
37. COVIDSurg Collaborative; GlobalSurg Collaborative. Effects of pre-operative isolation on postoperative pulmonary complications after elective surgery: an international prospective cohort study. Anaesthesia. 2021 Nov;76(11):1454-1464. doi: 10.1111/anae.15560. Epub 2021 Aug 9. PMID: 34371522.
38. COVIDSurg Collaborative, GlobalSurg Collaborative. SARS-CoV-2 vaccination modelling for safe surgery to save lives: data from an international prospective cohort study. Br J Surg. 2021 Sep 27;108(9):1056-1063. doi: 10.1093/bjs/znab101. PMID: 33761533; PMCID: PMC7995808.

Non-PubMed Indexed:

1. Meena SP, Chaudhary R, Lal C, Kumar RR. Laparoscopic Removal of a Large Gastric Trichobezoar: a Novel Technique. Indian J Surg. 2021 Apr;83(2):559-61.
2. Shukla RK, Choudhary R, Lodha M, Rodha MS, Bajpai N, Purohit P, Sharma P, Garg MK. Human Visceral Adipose Tissue (VAT) Inflammation Is Not Associated With Perforin Deficiency in Type 2 Diabetes Mellitus (DM) Subjects as Compared to Health Controls. Journal of the Endocrine Society. 2021 Apr;5 (Supplement_1):A15-6.
3. Kumar RR, Puranik AK, Meena SP, Rodha MS, Chaudhary R , Badkur M, Lodha M. Ultrasonic dissection without cystic artery clipping versus classical electro-dissection in laparoscopic cholecystectomy: a randomized control trial. International Journal of Surgery and Medicine (2021) 7(1):10-15
4. Rodha MS Meena, Meena SP, Soni SC, Garg PK, Cardoz AV. Unpredictable Outcome of Large Traumatic Oesophageal Injury: An Experience and Challenges. Journal of Clinical & Diagnostic Research. 2021, Vol. 15 Issue 3, p9-10. 2p
5. Rustagi N, Jaiswal A, Rodha MS, Dutt N, Kelly D, Sinha A, Raghav P, Rajpurohit V. Questionnaire Development and Validity to Determine Intention Among Indian Youth to Help a Road Traffic Accident Victim.
6. Meena SP, Jhirwal M, Badkur M, Lodha M. Challenges and Limitations during Management of Surgical Patients via Telemedicine during COVID-19 Pandemic. Saudi J Med, 6(6): 132-136. Doi: 10.36348/sjm.2021.v06i06.004
7. Meena SP, Puranik A, Garg PK, Rao M. Axillary giant lipoma with brachial plexus compression: Rare presentation with diagnostic dilemma and review literature. J Med Evid 2021. DOI: 10.4103/JME.JME_119_20
8. Jhirwal M, Sharma C, Shekhar S, Meena SP. Smartphone: an asset in medical education and health care in the era of COVID-19 pandemic-our perspective. Int J Community Med Public Health. 2021 Aug;8(8):4144-4146.
9. Badkur M, Puranik AK, Sharma N, Baskaran S, Meena SP, Lodha M. Patient's Perspective Regarding the Elective Surgical Procedure during Covid19 pandemic. Arch Clin Biomed Res 2021; 5 (5): 681-688.
10. Badkur M, Lodha M, Garg P, Acharya N, Charan K, Meena SP. Simultaneous Primary Testicular and Laryngeal Non-Hodgkin Lymphoma in A 56-Year-Old Male - A Rare Presentation. International Journal of Medical Reviews and Case Reports (2021) 5(1):72-76. doi:10.5455/IJMRCR
11. Kothari N, Goyal S, Rodha MS Elhence A.et al Continuous Fascia Iliaca Compartment Block for postoperative pain relief in above knee surgeries. In Anesthesia And Analgesia 2021 Sep 1 (Vol. 133, No. 3 S_ Suppl, Pp. 57-58).
12. Kumar, S., Gupta, A., Sagar, S. et al. Management of Blunt Solid Organ Injuries: the Indian Society for Trauma and Acute Care (ISTAC) Consensus Guidelines. Indian J Surg **83,** 3–41 (2021). https://doi.org/10.1007/s12262-021-02820-3
13. Bagaria, DK., Anwer M., Choudhary N. et al. Revisiting Role of Bilateral Ligation of Internal Iliac Arteries and Preperitoneal Pelvic Packing for Hemorrhage Control in Patients with Pelvic Injuries in Resource Constraint Settings. Indian J Surg (2022). https://doi.org/10.1007/s12262-021-03210-5
14. Agarwal H, Bagaria D, Sagar S et al. Factors Associated with Inability to Perform Delayed Primary Fascial Closure of Open Abdomen in Trauma Patients: A Retrospective Observational Study. Indian J Surg (2022). https://doi.org/10.1007/s12262-021-03184-4
15. Kumar V, Katiyar A, Banerjee N, Aggarwal S, Singh S, Agarwal H. Traumatic visceral venous pseudoaneurysm: A review of reported cases over last 25 years. Indian J Vasc Endovasc Surg 2022;9:48-53

16. Gupta K, Kaur S, Baksi A, Banerjee N, Kataria K. Surgical care and COVID-19 pandemic. *International Surgery Journal. 2021; 8(6): 1959*-1964.

Workshops/ Conferences Organized

1. ATLS Provider course, ATLS India, AIIMS Jodhpur, 24th to 26th February 2022.
2. ATLS Provider course, ATLS India, AIIMS Jodhpur, 11th to 13th November 2021.
3. Inaugural ATCN Provider Course, ATCN India, AIIMS Jodhpur, 11th to 13th November 2021

Eminent Visitors:

1. Prof. (Dr) Vijay Mittal: Fulbright-Nehru Distinguished Chair for Surgery and Surgical Education, Professor of Surgery in the Department of Surgery at Wayne State University School of Medicine and Michigan State University College of Human Medicine, Associate Director of Medical Education

Name of Faculty : Dr. Ashok Puranik
Designation : Professor & Head

Sessions Chaired:

1. Chairperson in ASIRAJ 2021 (The Web Conference), 2nd to 9th January 2022

Symposium Speaker

1. IFSCO-EC Congress 2021, 29th May 2021. (Online)

Resource Faculty:

1. Subject expert for drafting the curriculum for MBBS for General Surgery at AIIMS, Bathinda
2. Subject Expert for selection of faculty posts in Department of General Surgery at AIIMS, Nagpur

Research Project:

Ongoing:

As Co-Investigator

1. To study pneumomediastinum in chest trauma patients, Trauma center -AIIMS Jodhpur
2. Early Surgical treatment of chest trauma in AIIMS Jodhpur
3. Knowledge & attitude about Surgical safety checklist among surgical care practitioners of AIIMS, Jdh
4. Laparoscopic Port -site infections: characteristics and management'
5. Fibrin glue application in pilonidal sinus: A Prospective observational study.
6. Patient safety and outcome in laparoscopic appendectomy by residents: A retrospective study
7. Feasibility of same day discharge in laparoscopic cholecystectomy and inguinal hernioplasty A prospective observation study
8. Primary closure with negative suction drain versus delayed primary closure techniques in emergency laparotomy: A randomized controlled trail.
9. Clinico-Radiological manifestations and surgical management of COVID-19 patients developing subcutaneous emphysema.
10. Role of newer ischemic biomarker in suspected intestinal ischemia.
11. Postoperative outcome of patients after Scrotal application following minimal access surgery for inguinal hernia: A randomized controlled trial

12. Randomized Multi-centric, comparative, blinded , parallel group, prospective study to determine clinical efficacy & safety of theruptor sterile barrier wound dressing of care now in comparison with bactigras of smith & Nephew & Allevyn of Smith Nephew on wound healing in patients with chronic infected wound.
13. Feasibility of telemedicine follow up in general surgery patients at a tertiary care centre in India : A randomized control trial.

Examinership

1. Final MBBS examination of Batch 2017, AIIMS Jodhpur as chairperson of Examination.
2. External examiner in Final Practical Examination of Postgraduate at AIIMS, Rishikesh from 23rd to 24th December 2021
3. External Examiner to conduct DNB Practical Examination at Dr. Baba Saheb Ambedkar Hospital, Delhi from 23rd and 24th August 2021.
4. The Standing Selection committee-AIIMS, Nagpur, Subject Expert for selection of faculty posts in Department of General Surgery at AIIMS, Nagpur on 29th August 2021 through video conference.

National/ International Conferences attended:

1. Participated as an International Faculty in "IFSCO-EC Congress 2021" and delivered lecture on, World Digestive Health Day, WDHD2021 CO-Chairs on May 29, 2021 (Virtual)
2. Participated as Faculty in ACRSICON 2021 at Mumbai from 12th to 13th November 2021.
3. Participated as Chairperson in ASIRAJ 2021 (The Web Conference). 2nd - 9th January 2022.

Name of Faculty : Dr. Naveen Sharma
Designation : Professor

Papers Presented:

1. Inguinodynia- Invited lecture in AMASICON 2021, Delhi
2. Inserting a 10 mm trocar through an 11 mm skin incision: Video presentation in MIDCON 2022 at Shillong from 26th -27th March 2022.
3. Postoperative pain in 5mm vs 10 mm epigastric port for lap cholecystectomy: A Randomized Control Trial at SAGES Denver, Colorado from 16th -19th March 2022.

Invited Lectures

1. Inguinodynia- Invited lecture in AMASICON 2021, Delhi

Symposium Speaker

1. ED Management Protocols of a trauma victim- All Level Trauma Conference (International), 6-8 November 2021. Online

Resource Faculty:

1. Faculty, LHMC PG Clinical Update, Feb 2022, Online
2. Course Director, ATLS India (total 3 courses taught: 2 at AIIMS Jodhpur)
3. Special Invitee in "Robotic Hernia Surgery". July 24-25, 2021.
4. Member: Competence based curriculum committee, AIIMS Jodhpur
5. Member: "Competent Authority" for Transplantation of Human Organs and Tissues at AIIMS Jodhpur

6. Co-Convener, Quality Assurance Cell, AIIMS Jodhpur
7. Coordinator, Department of Medical Education Technology, AIIMS Jodhpur

Research Project:

Ongoing:

As Principal Investigator:

1. Factors Leading to Cancellation of Elective Surgery at AIIMS Jodhpur: A Quality Improvement Study

As Co-Investigator

1. To study pneumomediastinum in chest trauma patients, Trauma center -AIIMS Jodhpur
2. Early Surgical treatment of chest trauma in AIIMS Jodhpur
3. Knowledge and attitude about Surgical safety checklist among surgical care practitioners of AIIMS, Jodhpur
4. Rhomboid flap surgery for Pilonidal sinus disease: A retrospective study
5. Laparoscopic Port -site infections: characteristics and management'
6. Fibrin glue application in pilonidal sinus: A Prospective observational study 2
7. Awareness and experience of health care workers during COVID-19
8. Patient safety and outcome in laparoscopic appendectomy by residents: A retrospective study
9. Feasibility of same day discharge in laparoscopic cholecystectomy and inguinal hernioplasty A prospective observation study
10. Primary closure with negative suction drain versus delayed primary closure techniques in emergency laparotomy: A randomized controlled trial.
11. Postoperative outcome of patients after Scrotal application following minimal access surgery for inguinal hernia: A randomized controlled trial
12. Randomized Multi-centric, comparative, blinded , parallel group, prospective study to determine clinical efficacy and safety of theruptor sterile barrier wound 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.
13. Feasibility of telemedicine follow up in general surgery patients at a tertiary care centre in India : A randomized control trial.

Examinership

1. MS (Gen Surgery), AIIMS Jodhpur, December, 2021
2. MS (Gen Surgery), AIIMS Jodhpur, May, 2021
3. MS (Gen Surgery), AIIMS Raipur, January 2022
4. MS (Gen Surgery), AIIMS Rishikesh, Dec, 2021 Prepared MCQ based question paper
5. MCh (Trauma Surgery) AIIMS Rishikesh - Prepared MCQ based question paper

National/ International Conferences attended:

1. AMASICON 2021, Delhi, November 2021
2. Faculty, All Level Trauma Conference (International), 6-8 November, 2021. Online
3. Faculty, LHMC PG Clinical Update, Feb 2022, Online
4. Course Director, ATLS India (total 3 courses taught: 2 at AIIMS Jodhpur)
5. Invited guest- Robotic Hernia Surgery on July 24-25, 2021.

Name of Faculty: Dr. Ramkaran Chaudhary
Designation: Additional Professor

Papers Presented:

1. Oral paper presentation on “A Prospective validation study of efficacy of methylene blue for sentinel lymph node biopsy in early breast cancer” at MIDCON IASO-2022, Shillong from 24th-28th March 2022.

Sessions Chaired:

1. Participated as Chairperson in ASICON -2021 81st Annual conference of the Association of Surgeons of India, 17 to 21 December 2021. (Online)
2. Participated as Chairperson in ASIRAJ-2021, 9th January 2022. (Online)

Symposium Speaker:

1. Presented Video based presentation titled: “Robotic TAPP for inguinal hernia” and participated as Faculty in “AMASICON-2021 (16th International Congress of the Association of Minimal Access Surgeons of India)” at New Delhi from 26th to 28th November 2021.
2. Delivered a lecture on “Simulation in surgical training” as Faculty in ASICON -2021 81st Annual conference of the Association of Surgeons of India (Virtual) from 17 to 21 December 2021.

Resource Faculty:

1. Course Faculty-ATLS Instructor course, ATLS India, 24th to 26th February 2021, AIIMS, Jodhpur.
2. Course Faculty-ATLS Provider course, ATLS India, 11th to 13th November 2021, AIIMS Jodhpur.
3. Course faculty-ATCN India at AIIMS, Jodhpur from 11th to 13th November 2021.

Research Project:

Ongoing:

As Principal Investigator

1. "Laparoscopic Port -site infections: characteristics and management”
2. Feasibility and outcome of conservative management of acute appendicitis in adults during COVID-2019 Pandemic.
3. Clinico-radiological manifestations and surgical management of covid-19 patients developing subcutaneous emphysema.”

As Co-Investigator

1. To study pneumomediastinum in chest trauma patients, Trauma centre -AIIMS Jodhpur.
2. Early Surgical treatment of chest trauma in AIIMS Jodhpur.
3. Knowledge and attitude about surgical safety checklist among surgical care practitioners of AIIMS, Jdh.
4. Rhomboid flap surgery for Pilonidal sinus disease: A retrospective study.
5. Clinico-epidemiological study of admitted Patients in the Department of Surgery during COVID-2019 Pandemic.
6. Fibrin glue application in pilonidal sinus: A Prospective observational study Awareness and experience of health.
7. Role of newer ischemic biomarker in suspected intestinal ischemia.
8. Postoperative outcome of patients after scrotal application following minimal access surgery for inguinal hernia: A randomized controlled trial.

9. Feasibility of telemedicine follow up in general surgery patients at a tertiary care center in India: A randomized control trial.

Completed:

As Principal Investigator

1. A study of efficacy of methylene blue and clinico-pathological factors associated with false negative Sentinel Lymph Node Biopsy (SLNB) in early breast cancer.

Examinership

1. External Examiner for MBBS Final (Surgery) examination organized by RUHS (Rajasthan University of health Sciences) at S.N.Medical College, Jodhpur from 24th to 26th April 2021.
2. External Examiner for MS (General Surgery) examination organized by RUHS (Rajasthan University of health Sciences) at S.N.Medical college, Jodhpur from 27th & 28th June 2021.
3. External Examiner for Third Professional MBBS Part-II (General Surgery) examination organized by RUHS (Rajasthan University of health Sciences) at JLN Medical college, Ajmer from 07th to 09th March 2022.
4. External Examiner for Third Professional MBBS Part-II (General Surgery) examination organized by RUHS (Rajasthan University of health Sciences) at S.N Medical College, Jodhpur from 11th to 12th March 2022.

National/ International Conferences attended:

1. Faculty in "AMASICON-2021 (16th International Congress of the Association of Minimal Access Surgeons of India)" at New Delhi from 26th to 28th November 2021.
2. Faculty in MIDCON IASO-2022, Shillong from 24th to 28th March 2022.
3. Faculty in ASICON -2021 81st Annual conference of the Association of Surgeons of India, 17 to 21 December 2021. (Online)
4. Faculty in ASIRAJ-2021, 9th January 2022. (Online)

Name of Faculty: Dr. Mahendra Lodha
Designation: Associate Professor

Sessions Chaired:

1. RAMAS 2021 Conference by Rajasthan chapter of ASI with BARD, Dr A K Mathur, Jaipur (7 Aug 2021)-Virtual mode

Resource Faculty:

1. Prepared a video on opium addiction for public awareness on world de-addiction day on June 26, 2021

Research Project: Ongoing

As Principal Investigator

1. Study of practice trends of groin hernia surgery in state of Rajasthan.
2. Significance of clinical test of groin hernia in today's era

As Co-Investigator

1. Rhomboid flap surgery for Pilonidal sinus disease: A retrospective study
2. Laparoscopic Port -site infections: characteristics and management.
3. Feasibility and outcome of conservative management of acute appendicitis in adults during COVID-2019 Pandemic.
4. Fibrin glue application in pilonidal sinus: A Prospective observational study
5. Awareness and experience of health care workers during COVID-19.
6. Patient safety and outcome in laparoscopic appendectomy by residents: A retrospective study.
7. Feasibility of same day discharge in laparoscopic cholecystectomy and inguinal hernioplasty: A prospective observation study.
8. Primary closure with negative suction drain versus delayed primary closure techniques in emergency laparotomy: A randomized controlled trial.
9. Safe anastomosis quality improvement intervention to reduce anastomotic leak following right colectomy and ileocecal resection
10. Outcomes after inguinal hernia surgery in India- a prospective multicenter IAGES collaborative study"
11. Association between opium intake and postoperative complication in patients undergoing general surgery.
12. A randomized controlled trial to study the effect of transcutaneous electrical nerve stimulation on recovery of gastrointestinal motility after exploratory laparotomy.
13. Feasibility of telemedicine follow up in general surgery patients at a tertiary care center in India : A randomized control trial

Examinership

1. External examiner BPT, at SN Medical College, Jodhpur, SLNB college of Physiotherapy and KS Memorial College, Jodhpur
2. Guided a Postgraduate student as a co-guide of, Ayurveda university, Karwad Jodhpur.

National/ International Conferences attended:

1. Attended the third national bariatric postgraduate program on 12 and 13 November 2021 at AIIMS Delhi as a faculty.
2. Attended the online conference of the IAGES-2021

Name of Faculty: Dr. Satya Prakash Meena
Designation: Associate Professor

Sessions Chaired:

1. Chaired a session in Rajasthan association of the minimal access surgery conference RAMAS-2021

Resource Faculty:

1. Prepared a video on opium addiction for public awareness on world de-addiction day on June 26, 2021

Sessions Chaired:

1. RAMAS 2021 Conference by Rajasthan chapter of ASI with BARD, Dr A K Mathur, Jaipur (7 Aug 2021)-Virtual mode

2. Hernia Update conference by Association of SMS Medical college Jaipur (24 Sept 2021)- Virtual mode

Research Project: Ongoing

As Principal Investigator

1. Fibrin glue application in pilonidal sinus: A prospective observational study [Intra mural funded project]
2. Multidisciplinary approach of diabetic foot in special clinic
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

As Co-Investigator

1. Role of newer ischemic markers in suspected intestinal ischemia (Intra-mural funded project)
2. Feasibility of telemedicine follow-up in general surgery patients at a tertiary care center in India: A randomized controlled trial

Research Project: Completed

As Principal Investigator

1. Feasibility of same day discharge in laparoscopic cholecystectomy and inguinal hernioplasty

As Co- investigator

1. Early surgical treatment of chest trauma in AIIMS Jodhpur.
2. Knowledge and attitude about “Surgical Safety Checklist” among surgical care practitioners of AIIMS Jodhpur.
3. COVID-19 infection among patients undergoing any elective intervention in AIIMS Jodhpur: An observational study.
4. Rhomboid flap surgery for pilonidal sinus disease: An retrospective study.
5. To study pneumo-mediastinum in chest trauma patients, Trauma center -AIIMS Jodhpur
6. Knowledge, attitude, practice, and behavior regarding breast cancer and its prevention among females coming to surgery OPD at AIIMS Jodhpur.

Scientific Awards/Patents

1. "Best Faculty Award" in the International Scientist Awards on Engineering, Science, and Medicine. 16 & 17-Jul-2021 in Mysore, India. (Organised by VDGOOD Professional Association)

Examinership

1. Internal examiner in MBBS Exam. AIIMS Jodhpur. Feb 2022

Membership/Post in Journal or Society or Association

1. Member in “The Association of Colon & Rectal Surgeons of India (ACRSI)”
2. Reviewer in Cureus Journal

National/ International Conferences attended:

1. IAGES national conference, Coimbatore, Dr L.P. Thangavelu. 7th -9th May 2021. (Online)
2. FISTULACON 2021(An international virtual summit on fistula) by The association of colon & rectal surgeons of India. 18 July 2021. (Online)
3. AMASICON 2021 by Association of Minimal Access Surgeon of India in Delhi. 28th Nov 2021- Physical mode
4. Virtual ASICON 2021 by Association surgeon of India. 12th Dec 2021. (Online)
5. RAMAS 2021 by Rajasthan chapter of ASI with BARD, Dr A K Mathur, Jaipur, 7th Aug 2021. (Online)
6. Hernia Update by Association of SMS Medical college Jaipur. 24th Sept 2021. (Online)

Name of Faculty : Dr. Mayank Badkur
Designation : Assistant Professor

Papers Presented:

1. 'Seroma reduction by fenestration of pseudo sac for laparoscopic direct inguinal hernia repair.' during 15th Annual Conference of Hernia Society of India (HSICON 2021), organised by Aurangabad Surgical Society during 12th - 13th Nov 2021, at Aurangabad Maharashtra
2. "Risk Factors and Patient Outcomes Associated with Immediate Post-operative Anasarca Following Major Abdominal Surgeries: A Prospective Observational Study" during 39th Annual Conference of Association of Surgeons of India, MP Chapter MPASICON 2022, organised by Department of Surgery, MGM Medical College and ASI Indore city chapter during 11th – 13th March, 2022.
3. E-Poster: "In time management of a traumatic diaphragmatic hernia" 11th Annual Conference of Indian Society of Trauma and Acute care, TRAUMA 2021 during 19th -21st November, 2021. (Online)

Resource Faculty:

1. **Faculty for ASI TYSA 2021** for Zone-5. A Regional Refresher Course 2021 of The Association of Surgeons of India (ASI) organized by ASI on 25th Aug 2021.

Research Project:Ongoing

As Principal Investigator:

1. Outcomes after Inguinal hernia surgery in India- a prospective multicenter IAGES collaborative study.
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**".**

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.
4. Clinico-Radiological manifestations and surgical management of COVID-19 patients developing subcutaneous emphysema.

Completed:

As Principal Investigator:

1. Attitude regarding the elective surgical procedure among patients in the Department of General Surgery in AIIMS Jodhpur during Covid 19 pandemic.
2. Road traffic accidents during Covid-19 pandemic: A multicenter retrospective analytical study.

Membership/Post in Journal or Society or Association

1. Membership of Clinical Robotic Surgery Association, India (CRSA)

National/ International Conferences attended:

1. Attended one-week online training program on Statistical Data Analysis Using SPSS by science tech institute, Lucknow, Uttar Pradesh. 21st – 27th May 2021.
2. Attended online Interactive e-CME: "Anorectal Disorders", organized by Abbott India Ltd. 27th Jun 21.
3. Attended an International Summit on Fistula, FISTULACON 2021, organized by mediknit.org, 18th July 2021.
4. Attended online ROBOTIC HERNIA SURGERY 2021, (Live Operative Workshop - Hands on Robotic Training) Hybrid Conference organized by CRSA on 24th - 25th July 2021 at Le Meridien, Janpath, New Delhi.
5. Attended International Virtual Conference "Loss of Domain: Global Summit 2021", organized by Organizing Committee LODGS 2021. 14th August 2021.
6. Attended online Interactive e-CME: Thyroid Masterclass 2021 organized by Christian Medical College, Vellore. 8th October 2021.

Name of Faculty: Niladri Banerjee
Designation: Assistant Professor

Papers Presented:

1. Eposter on "Acute intestinal obstruction due to obturator hernia" in Srilankan Surgical Congress 2021. (Online)
2. Eposter on "Surgical rib fixation in a case of traumatic multiple rib fracture" in ASICON 2021 (Online)
3. Eposter on "Epithelial Myoepithelial Carcinoma of the parotid gland" in ASICON 2021 (Online)
4. Eposter on "Post Covid 19 intestinal and mesenteric mucormycosis" in ASICON 2021 (Online)

Invited Lectures:

1. Invited to present "Management of pancreatic injuries" at the All levels Trauma Care International Conference (ALTC) 2021 (Virtual) held by King Saud Medical University, Riyadh, Kingdom of Saudi Arabia from 6th-8th November 2021
2. Invited to talk about "Guidelines for Pancreatic injuries" at TRAUMA 2021 (Virtual) held by The Indian Society of Trauma and Acute Care from 19th -21st November 2021. (Online)

Symposium Speaker:

1. Presented on the topic "Fluid management in the Emergency Department" in the National Skill Enhancement Program (NSEP) of the Association of Surgeons of India, held virtually on 23rd Feb 2022.

Resource Faculty:

1. Course Faculty-ATLS Instructor course, ATLS India, 24th to 26th February 2021, AIIMS, Jodhpur.
2. Course Faculty-ATLS Provider course, ATLS India, 11th to 13th November 2021, AIIMS Jodhpur.
3. Course faculty-ATCN India at AIIMS, Jodhpur from 11th to 13th November 2021
4. Course faculty-Training of Trainers (TOT) organized by AIIMS, Jodhpur for medical officers of Rajasthan

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.

As Co-Investigator:

1. Postoperative outcome of patients after Scrotal support application following minimal access surgery for inguinal hernia: A randomized controlled trial.

Membership/Post in Journal or Society or Association

1. Eastern Association for the Surgery of Trauma (EAST), USA in November 2021

National/ International Conferences attended:

1. All levels Trauma Care International Conference (ALTC) 2021 (Virtual) held by King Saud Medical University, Riyadh, Kingdom of Saudi Arabia from 6th-8th November 2021
2. TRAUMA 2021 Virtual, Indian Society of Trauma and Acute Care Surgery held from 19th-21st November 2021, AIIMS, New Delhi (Virtual)
3. Srilankan Surgical Congress 2021, Srilankan Surgical Society, held virtually from 24th-27th November 2021.
4. ASICON 2021, Association of Surgeons of India, virtually held in December 2021

Name of Faculty: Aditya Baksi
Designation: Assistant Professor

Papers Presented:

1. Effect of laparoscopic omentectomy on CAPD catheter malfunction: a three armed pilot randomized trial. IAGES 2021. 7th -9th May 2021. Coimbatore. (Online)

Sessions Chaired:

1. E-poster session. 14th SELSICON and 13th IHSCON. December 4-5, 2021. (Online)
2. Sleeve gastrectomy session, Live operation session, One anastomosis gastric bypass session. BARIME 2021. 3rd Postgraduate CME and Certificate course on Basics of Metabolic and Bariatric Surgery. November 12-13, 2021. AIIMS New Delhi

Invited Lectures:

1. GERD after sleeve gastrectomy: evaluation and management. BARIME 2021. November 12-13, 2021. AIIMS New Delhi

Scientific Awards/Patents

1. Best paper award at IAGES 2021 for oral presentation. Annual conference of the Indian Association of Gastrointestinal Endosurgeons. May 7-9, 2021.

Membership/Post in Journal or Society or Association

1. Editorial Board Member. Journal of Bariatric Surgery, official publication of the Obesity and Metabolic Surgery Society of India
2. Member. Obesity and Metabolic Surgery Society of India
3. Member. International Federation of Surgery for the Surgery of Obesity and Metabolic Disorders (IFSO)

National/ International Conferences attended:

1. IAGES 2021. Indian Association of Gastrointestinal Endosurgeons. 7th -9th May, 2021. (Online)
2. BARIME 2021. Foundation for Obesity Research and Metabolic Surgery. AIIMS New Delhi. 12th -13th November 2021.
3. 14th SELSICON and 13th IHSCON 2021 Joint National Conference. Society of Endoscopic and Laparoscopic Surgeons of India (SELSI) and Indian Hernia Society (IHS). 4th -5th December 2021. (Online)

Name of Faculty: Supreet Kaur
Designation: Assistant Professor

Sessions Chaired:

1. 'Resident Forum II' session. 11th TRAUMA 2021. November 19, 2021 (Online).

Resource Faculty:

1. Vascular anastomosis workshop. Department of General Surgery, AIIMS Jodhpur. 12th February 2022.

Membership/Post in Journal or Society or Association

1. Member; Eastern Association of Surgery for Trauma (EAST)
2. Member; Association of Women Surgeons (AWS)

National/ International Conferences attended:

1. Trauma 2021. Indian Society for Trauma and Acute Care (ISTAC). November 19-21, 2021. (Online)

Name of Faculty: Indra Singh Choudhary
Designation: Assistant Professor

Invited Lectures:

1. Delivered Lecture on “SWASTHYA, SAMAJ AUR RASHTRA”. NSS special camp held at Institute of Evening Studies, JNV University Jodhpur, on 12/03/2022

National/ International Conferences attended:

1. 2nd Mid-Atlantic Gastrointestinal Interventional course MAGIC 2021 organized by RUTGERS, Robert Wood Johnson University Hospital, New Brunswick, New Jersey on August 6, 2021.
2. 5th Annual International PERCISION ONCOLOGY & IBC CONFERENCE. Organized by IBCC Jaipur 22th & 24th October 2021 as a Delegate in virtual conference. (Online)

Name of Faculty: Dr. Mahaveer Singh Rodha
Designation: Additional Professor (Trauma & Emergency)

Department of Gastroenterology

S.No.	Name	Designation
1	Dr. Ashish Agarwal	Assistant Professor
2	Dr. Chhagan Lal Birda	Assistant Professor

About the Department

The Department of Gastroenterology was started in February 2021 to manage the complex gastrointestinal disorders in this part of India. Our aim is 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 comprehensive management of both benign and malignant Gastrointestinal & Hepato-pancreato-biliary disorders 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 departmental OPD is presently functional 4 days a week. The department has a policy 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, consultants are attending to all the patients referred to the Department of Gastroenterology from other departments and from other government and private hospitals and PHCs and CHCs.

The Department of Gastroenterology currently has a fully functional endoscopy unit with provision of diagnostic and therapeutic upper GI and colonoscopy. The Department is also regularly performing therapeutic ERCP, EUS, EUS guided FNAC, EUS guided CPN. It is the first government institute in Rajasthan to perform POEM procedure for patients with achalasia cardia and have performed 15 cases of POEM till now. The motility lab facility with provision of high resolution esophageal and anorectal manometry, biofeedback therapy for pelvic floor dyssynergia, 24-hour impedance and pH manometry is also available.

Compiled list of Publications of the department (Please ensure articles are not repeated):

Papers

Pubmed Indexed:

1. Aggarwal N, Dwarakanathan V, Singh A, Ashish A et al. Spectrum of height in patients with celiac disease. Indian J Gastroenterol. 2021; 40:604-12. https://doi.org/10.1007/s12664-021-01173-9
2. Mehtab W, Chauhan A, Agarwal A. et al. Impact of Corona Virus Disease 2019 pandemic on adherence to gluten-free diet in Indian patients with celiac disease. Indian J Gastroenterol. 2021; 40: 613-20. https://doi.org/10.1007/s12664-021-01213-4
3. Birda CL, Agarwal A. Role of ERCP in acute biliary pancreatitis: yet unanswered. Endosc Int Open 2021; 09(12): E1917
4. Birda CL, Agarwal A, Goyal A. A Rare Case of Hearing Loss in a Patient with Ulcerative Colitis, *Inflammatory Bowel Diseases*. 2022; 28(4):e53-54. https://doi.org/10.1093/ibd/izab272
5. Agarwal A, Chauhan A. Comparison of a Hemostatic Powder and Standard Treatment in the Control of Active Bleeding From Upper Nonvariceal Lesions. Ann Intern Med. 2022 Apr;175(4):W45. doi: 10.7326/L22-0068. PMID: 35436426
6. Jena A, Birda CL, Singh AK. Endoscopic sphincterotomy and Post Endoscopic Retrograde Cholangiopancreatography pancreatitis: In an Era of Declining Mystery, the Unknown Persists. Clin Gastroenterol Hepatol; 2021(9):S1542-3565(21)00925-3. Doi:10.1016/j.cgh.2021.08.045.

7. Kumar P, Jena A, Birda CL et al. Safety and efficacy of non-fluoroscopic endoscopic dilatation of gastrointestinal tuberculosis related strictures. BMC Gastroenterol 2022; 20: 60. https://doi.org/10.1186/s12876-022-02140-0.
8. Birda C L, Jena A, Kumar A. Neuromodulators in functional dyspepsia – the right indication in the right dose. Aliment Pharmacol Ther. 2021;54:1217–1218.

Workshops/ Conferences Organized

1. The Department organized a workshop on "Per oral endoscopic myotomy workshop" on 22nd Dec 2021, which was attended by one invited faculty from AIG Hospitals, Hyderabad, faculty and residents from the Department and MDM Hospital and delegates.

Eminent Visitors:

1. Dr Vineet Ahuja, Professor, Department of Gastroenterology, AIIMS, New Delhi, India
2. Dr Govind Makharia, Department of Gastroenterology, AIIMS, New Delhi, India

Name of Faculty: Dr. Ashish Agarwal
Designation: Assistant Professor

Books/Chapters

1. Agarwal A, Makharia A, Makharia G. Approach to constipation. In book: Progress in Medicine 2022; Chapter: 46; Publisher: Evangel Publications

Sessions Chaired:

1. 3rd GISI Webinar on "Infected Pancreatic Necrosis". Gastrointestinal Infection Society of India (GISI), 19th March 2022. (Online)

Invited Lectures

1. Invited talk on "Diagnosis of NAFLD at different levels of health care in India". Webinar on NAFLD, jointly organized by AIIMS Jodhpur and ILBS. (Online)

Research Project:

Ongoing:

Co-Investigator:

1. Prevalence of celiac disease in patients of irritable bowel syndrome in Rajasthan
2. Role of percutaneous transhepatic biliary drainage (ptbd) in cases of obstructive jaundice: a prospective observational study
3. Abdominal computed tomography findings in patients with covid 19
4. Serum prolactin level as a biomarker of severity in chronic liver disease
5. Comparison of different diagnostic modalities for *helicobacter pylori* infection in patients with functional dyspepsia and peptic ulcer disease
6. Twenty-four hour ph monitoring of gastric conduit in post-esophagectomy patients and correlation with clinico-endoscopic parameters – a prospective observational study

Membership/Post in Journal or Society or Association

1. Member; Indian Society of Gastroenterology
2. Member; American College of Gastroenterology

National/ International Conferences attended:

1. Indian Society of Gastroenterology Conference- February 2022. (Online)
2. Best of ACG 2022- April 2022, New Delhi, India

Name of Faculty: Dr. Chhagan Lal Birda
Designation: Assistant Professor

1. Birda CL, Sharma V. Response to therapy in abdominal tuberculosis. Chapter 21, Tuberculosis of the Gastrointestinal System.

Sessions Chaired:

1. ESI satellite symposium – North on "Non Alcoholic Fatty Liver Disease". Organized by Department of Endocrinology, AIIMS Jodhpur, 2nd April 2022

Research Project:

Ongoing:

Co-Investigator:

1. Twenty-four hour ph monitoring of gastric conduit in post-esophagectomy patients and correlation with clinico-endoscopic parameters – a prospective observational study

Membership/Post in Journal or Society or Association

1. Member; American Gastroenterology Association
2. Member; American College of Gastroenterology

National/ International Conferences attended:

1. Indian society of Gastroenterology Conference- February 2022. (Online)
2. Best of ACG 2022- April 2022, Jaipur, India

Department of Medical Oncology

S.No.	Name	Designation
1	Dr. Sandeep Kumar Bairwa	Assistant Professor

About the Department

The Department of Medical Oncology was started in February 2021 to manage the malignant disorders in this western part of India. Our aim is to make the department 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. Our OPD is presently functional 6 days a week. 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. 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. We are 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.

Compiled list of Publications

Non- Pubmed Indexed:

1. Sureka B, Chawla S, Khera S, Agarwal A, Birda CL, Bairwa S. A lumpy bumpy stomach: The more the murkier. S Afr J Rad. 2022;26(1), a2437. https://doi.org/10.4102/sajr. v26i1.2437

Name of Faculty: Sandeep Kumar Bairwa
Designation: Assistant Professor

Books/Chapters:

1. API Book of Textbook of Medicine.12th edition. Jaypee brothers; 2022. Section 19e- Oncology, chapter 15e. Malhotra H, Bairwa S. Carcinoma of unknown primary; e-1060-1069

Membership/Post in Journal or Society or Association

1. Peer reviewer; Indian Journal of Medical and Pediatric Oncology (25.12.2021)

Any other information:

1. European certified Medical Oncology- 29.11.2021

Department of Microbiology

S.No.	Name	Designation
1	Dr Vijaya Lakshmi nag	Professor (On deputation to NMC)
2	Dr Sneha Ambwani	Professor & Head, Pharmacology (Acting head, Microbiology)
3	Dr Ashwini Agarwal	Additional Professor (resigned w.e.f. 29.10.2021)
4	Dr Ravisekhar Gadepalli	Additional Professor
5	Dr Vibhor Tak	Associate Professor
6	Dr Sarika Prabhakar Kombade	Associate Professor
7	Dr Vidhi Jain	Assistant Professor
8	Dr Kumar S. Abhishek	Assistant Professor

About The Department:

The department of Microbiology has consistently been standing at par with other institutes of national importance in the field of diagnostics, infection control and state-of-the art research, since 2013. The department presently comprises 5 faculty, 11 senior residents, 24 junior residents, 15 laboratory technicians, 5 attendants and various project staff. We are actively engaged in teaching undergraduate and postgraduate medical students, undergraduate nursing students and co-mentoring DM infectious diseases curriculum for Post-MD candidates in microbiology, medicine and pediatrics. The department is also a collaborator in the Masters in Medical Technology (MMT) course conducted jointly by AIIMS Jodhpur and IIT Jodhpur.

The various sub-sections of the department are spread over three divisions: (1) The IPD lab with 24-hr services in Bacteriology, Mycology, Mycobacteriology, Parasitology, Virology, Serology, Anaerobic lab and Hospital Infection Control. (2) The OPD lab provides NTEP (TB) diagnostics, STI reporting and ATT referral services from 9am-5pm for outpatients. (3) The Regional level Viral Research and Diagnostic Laboratory (R-VRDL) under the project “Establishment of a network of Laboratories for Managing Epidemics and Natural Calamities” provides various serological and molecular investigations for emerging and re-emerging viral infections. It started COVID-19 testing since March 18, 2020 and its financial support has now been extended till 2025-26. The R-VRDL has mentored and validated more than 68 government and private COVID testing labs across the state. The newer milestones achieved this year are: building of BSL-3 lab and starting SARS-CoV-2 genome sequencing.

The recently inaugurated BSL3 facility aims to reduce the occupational exposure to pathogenic materials in the lab and provide safe environment for early detection of high risk group of emerging infectious diseases. The newly inaugurated gene sequencing facility is currently engaged in performing SARS-CoV-2 RNA genome sequencing through MiSeq system (Illumina). It has various clinical applications like detecting the exact infective variants, transmissibility dynamics, contact tracing, case clustering and early detection of viral variants of concern. The technology will further be applied to sequence various other viral and bacterial genomes in future.

Other pandemic response measures like PPE designing, staff training in donning/doffing and biomedical waste management for COVID, have been our notable contributions. The department provided rapid fluorescent microscopy and fungal culture services during the disastrous outbreak of mucormycosis or “Black fungus” during the second wave of the pandemic as well.

Keeping up with the current advances & timely effective diagnosis of Diseases, the Department of Microbiology equipped itself with state of the art equipments this year, including MALDI TOF (Matrix assisted Laser desorption/ ionization time of flight) which can identify bacteria and fungi within a matter of minutes. The cartridge- based nucleic acid amplification test (CBNAAT/GeneXpert) with a potential to diagnose Tuberculosis infection and rifampicin resistance within 2-hour time period has also been added to our diagnostic repertoire.

In order to ensure the highest quality of laboratory services delivered to our patients, the department regularly participates in various external quality assurance schemes (EQAS) for the disciplines of bacteriology, serology, mycology and mycobacteriology, at both national and international levels.

Compiled list of Publications of the department:

Papers

Pubmed Indexed:

1. Khichar S, Samantaray S, Kumar D, Mobarsa V, Jain V, Sharma V, Soni K, Choudhury B, Goyal A, Shankar Meena D, SrinivasanS, Dutt N, Bhardwaj P, Agarwal A, Kumar Garg M, Misra S. New-onset hyperglycaemia and prolonged systemic corticosteroidstherapy in mild COVID-19 patients as major risk factors for invasive mucormycosis: a preliminary study. Curr Med Mycol. 2021;7(3): 22-28. DOI: 10.18502/CMM.7.3.7254
2. Goyal A, Soni K, Sharma V, Choudhury B, Verma A, Kumar D, Khichar S, Chugh A, Sureka B, Srinivasan S, Bhardwaj P, Kamal M, Agarwal A, Bhatnagar K, Bhatia PK, Garg MK, Misra S. Rapid Response Preparedness for Management of Post-Covid Invasive Rhino-Orbito-Cerebral Fungal Infections: Experience from a Tertiary Care Government Institute in India. Indian J Otolaryngol Head Neck Surg. 2021 Jul 18:1–3.
3. Sharma A, Agarwal A. Evaluation of the performance of a novel sputum processing ReaSLR methodology for culture of sputum samples in solid and liquid media in comparison with modified Petroff’s method. Indian J of Tuberculosis 2021, 68(2):255-260.
4. Gill J S, Singh SP, Sharma S, Agarwal A. Gut microbiota profiling in hematopoietic stem cell transplant recipients: towards personalized medicine. Med J Armed Forces India 2021, 77:22-27.
5. Kaur N, Agarwal A, Guduru G Rao. Role of 16S Ribosomal RNA in Etiological Diagnosis of Pyogenic Liver Abscess. J Gastrointest Infect 2022;
6. Bhatnagar T, S. Chaudhuri, M. Ponnaiah, P. D. Yadav, Agarwal A, Sahay RR, F. Gadepalli R Murhekar MV *et al*., Effectiveness of BBV152/Covaxin and AZD1222/Covishield Vaccines Against Severe COVID-19 and B.1.617.2/Delta Variant in India, 2021: A Multi-Centric Hospital-Based Case-Control Study. Preprint with The Lancet.
7. Bhardwaja P, Ganapathy K, Pathania M, Naveen KH, Charan J, Dutta S, Gadepalli R, Srinivasan S, Gupta MK, Goelj AD, Midha N. An integrative approach to clinical recovery for COVID-19 patients using an Ayurvedic formulation: A multicentric double-blind randomized control trial.
8. Gadepalli R, VL Nag, M Goyal HPV Genotype Distribution and Its Correlation with Clinical and Cytological Findings in Patients with or Without Cervical Lesions in a Tertiary Care Centre- Indian Journal of Medical Microbiology, 2021

9. Sankaradoss A, Jagtap S, Nazir J, Moula SE, Modak A, Fialho J, Iyer M, Shastri JS, Dias M, Gadepalli R, Aggarwal A, Vedpathak M, Agrawal S, Pandit A, Nisheetha A, Kumar A, Bordoloi M, Shafi M, Shelar B, Balachandra SS, Damodar T, Masika MM, Mwaura P, Anzala O, Muthumani K, Sowdhamini R, Medigeshi GR, Roy R, Pattabiraman C, Krishna S, Sreekumar E. Immune profile and responses of a novel dengue DNA vaccine encoding an EDIII-NS1 consensus design based on Indo-African sequences. Mol Ther. 2022 Jan 7:S1525-0016(22)00013-2. doi: 10.1016/j.ymthe.2022.01.013. Epub ahead of print. PMID: 34999210; PMCID: PMC8736276.
10. Yadav B, Gupta N, Gadepalli R, Nag VL. Neonatal dengue: an under-diagnosed entity. BMJ Case Rep. 2021 Aug 16;14(8):e241727. doi: 10.1136/bcr-2021-241727. PMID: 34400420; PMCID: PMC8370508.
11. Samaddar A, Gadepalli R_, Response to Letter to the editor – Viral Ribonucleic Acid Shedding and Transmission Potential of Asymptomatic and Paucisymptomatic Coronavirus Disease 2019 Patients, *Open Forum Infectious Diseases*, 2021.
12. Sureka B, Nag VL, Garg MK, Tak V, Banerjee M, Bishnoi A, Misra S. Rational use of PPE and preventing PPE related skin damage. J Family Med Prim Care. 2021;10(4):1547-1553.
13. Sureka B, Tak V, Nag VL, Rani R, Garg MK, Misra S. Suraksha Chakra: A new scoring system to protect the healthcare workers from COVID. J Family Med Prim Care 2021;10(4):1512-1514.
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28. Yadav P, Kumar D, Meena D, Bohra GK, Jain V, Garg P, Dutt N, Abhishek KS, Agarwal A, Garg MK. (August 17, 2021) Clinical Features, Radiological Findings, and Treatment Outcomes in Patients with Pulmonary Nocardiosis: A Retrospective Analysis. Cureus 13(8): e17250. doi:10.7759/cureus.17250.
29. Tripathi S, Meena DS, Rohila AK, TR N, Jain V, Kumar D, Yadav T, Garg MK. Empyema necessitans with osteomyelitis of fifth rib due to Nocardia farcinica: a case report. BMC infectious diseases. 2021 Dec;21(1):1-5.
30. Choudhary GR, Aggarwal A, Jain V, Jena R. COVID-19 and fatal renal mucormycosis: Contributory or coincidental?. Indian Journal of Urology. 2021 Jul 1;37(3):270.
31. Jain V, Gupta MK, Grover M, Nare T, Srivastava S, Bhardwaj P, Goel AD, Saurabh S, Dara S, Kumar A, Sharma P. COVID-19 seropositivity among non-medical frontline office staff from two cities in Rajasthan, India. Journal of Family Medicine and Primary Care. 2021 Jun 1;10(6):2400.
32. Bolia R, Dhanesh Goel A, Badkur M, Jain V. Gastrointestinal manifestations of pediatric coronavirus disease and their relationship with a severe clinical course: A systematic review and meta-analysis. Journal of Tropical Pediatrics. 2021 Apr;67(2):fmab051.
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Non-Pubmed Indexed:

1. Thosani P, Karade S, Agarwal A, Sen S, Katoch CDS, Shergill SP, Gupta RM. Characterization of rpoB Gene mutations in *Mycobacterium tuberculosis*. Indian J Med Microbiol 2021; 39: 592-93.
2. Thosani P, Agarwal A, Karade S, Sen S, S. Katoch CDS, Jindamwar P, S. Shergill S P. Assessment of resistance to second line anti-tubercular drugs by line probe assay at a tertiary care hospital. Med J DY Patil Vidyapeeth. [Epub ahead of print].
3. Kalita JM, Naveenraj P, Jain V, Kumar D, Tak V, Garg PK, Nag VL. Cystic Echinococcosis of Liver and Spleen Communicating to the Lung: A Rare Case. Journal of Laboratory Physicians. 2022 Feb 15.
4. Neetha TR, Kalita JM, Baajpayee N, Jain V, Gadepalli R (2021) Re-infection with SARS-CoV-2: A Case Report from North-Western India. J Clin Image Case Re 5(9): 179.
5. Beg N, Tak V, Gadepalli R, Sharma A, Nag VL. A Pilot Study on prevalence of nitroimidazole refractory human giardiasis in a tertiary care centre from Rajasthan. Indian Journal of Medical Microbiology. 2021 Sep 1;39:S118.

Workshops/ Conferences Organized:

1. A hands-on workshop "AMR data management for evaluating early warning signals of HAI outbreaks using WHONET 2021" was organized by the Department of Microbiology AIIMS Jodhpur in collaboration with AIIMS New Delhi and CDC USA, LT-2 AIIMS Jodhpur, 10th-11th March 2022.

Antimicrobial resistance (AMR) in the current day scenario, as reported by CDC, is one of the world's most urgent public health problems. Bacteria and fungi do not have to be resistant to every antibiotic to be dangerous. Resistance to even one antibiotic can mean serious problems. Keeping in mind this issue, the Department of Microbiology, in collaboration with AIIMS New Delhi & CDC, organized a 2-day hands on Workshop on AMR Data Management for evaluating early warning signals of Hospital acquired infections outbreak using WHONET 2021 on 10-11Th March, 2022.

Dr. Valan A. Siromany, CDC India Country office provided the delegates with an extensive hands-on training about the importance & usage of the Antibiogram. The workshop was attended by 83 participants, including the faculty of SNMC, Jodhpur, GMC, Pali & Geetanjali Medical college, Udaipur. All the delegates from AIIMS Jodhpur and outside, participated enthusiastically in the various activities designed for antibiogram preparation and application, and provided great positive feedback for this workshop.



WHOnet workshop Welcome address by Director, AIIMS Jodhpur



Participants & organizers during WHONET Workshop, AIIMS Jodhpur

Eminent Visitors:

1. Dr. Siromany Valan from CDC India office visited the Department as resource personnel for conducting Hands-on workshop on AMR data management for evaluating early warning signals of HAI outbreaks using WHONET 2021.

Name of Faculty: Dr Ashwini Agarwal
Designation: Additional Professor

Books/Chapters

1. Kaur, N. , Agarwal, A. , Grover, M. , Singh, S. . Uropathogenic *Escherichia coli*. In: Bhardwaj, S. B., editor. Enterobacteria [Internet]. London: IntechOpen; 2022. Available from: https://www.intechopen.com/online-first/80583 doi: 10.5772/intechopen.102525

Any other information:

1. National TB Elimination Program (NTEP) Certification of Line probe assay (LPA) for FL and SL drugs in Rajasthan.

Research Project:

Complete:

As Principal Investigator

1. Validation of rapid antigen kits for SARS-CoV-2 diagnosis.[ICMR]
2. Establishing a Network of labs for Fungal Diagnosis and Research Facility in India through the VRDL Network [ICMR]

Ongoing:

As Co-Investigator

1. Capacity Building and Strengthening of Hospital Infection Control to Detect and Prevent Antimicrobial Resistance in India.[CDC-ICMR],[AIIMS NEW DELHI].
2. Vaccine preventable disease surveillance, [World Health Organization].

Examinership-

1. Internal Examiner, MD Microbiology Examination, AIIMS Jodhpur, 11^{th} -12^{th} May 2021.

Any other:

1. Organized three AIIMS Jodhpur- NHSN UK Infectious disease “ID meets” online for postgraduates in Microbiology and DM Infectious diseases students (July – Aug 2021)

Name of Faculty: Dr Ravisekhar Gadepalli
Designation: Additional Professor

Invited Lectures:

1. Lecture titled "Prevalence Of Viral Infections In Patients Undergoing Hemodialysis- A Retrospective Study". IVS International Conference on "Evolution of Viruses and Viral Diseases", 18th -20th April 2021, The Indian National Science Academy , New Delhi
2. Delivered a talk titled "Histories and Development of High Containment Laboratories in India". The Workshop on biosafety & biosecurity in microbiological and biomedical research, diagnosis, and clinical care, 1st -7th November 2021, Federation of Asia Biotech Association (FABA). (Online).

Symposium:

1. Delivered a talk on **"**Post covid non-communicable diseases & new strain of novel coronavirus: public health implications & research directions**"** symposia, ICMR-NIIRNCD Jodhpur, 12th April 2021, NIIRNCD campus

Resource Faculty:

1. Protocol Design and Introduction to Evidence Based Medicine for PG and PhD Students, 23rd – 24th September 2021, AIIMS Jodhpur.
2. Hands on workshop on AMR data management for evaluating early warning signals of HAI outbreaks using WHONET 2021, Department of Microbiology AIIMS Jodhpur in collaboration with AIIMS New Delhi and CDC USA, LT-2 AIIMS Jodhpur,10th-11th March 2022.

Research Projects:

Ongoing:

As Principal Investigator:

1. Coronavirus (COVID-19/ SARS-CoV-2) Detection Through Automated Sampling and Wastewater-Based Epidemiology (WBE) (Funding: Fluid Robotics co., India)
2. 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)
3. Intramural project "Clinical and cytological profile of HPV genotypes distributed in patients with or without cervical lesions in a tertiary care centre" (Funding: AIIMS Jodhpur).

As Co-Investigator:

1. Regional Level Viral Diagnostic Laboratory (VRDL) at AIIMS, Jodhpur under Establishment of a network of Laboratories for Managing Epidemics and Natural Calamities "during the 12th Plan period; ICMR, DHR. (Financial Support :ICMR-DHR)
2. Establishment of a network of ICMR COVID-19 Biorepositories in India (Financial Support: ICMR)
3. INSIGHT 012: Outpatient Treatment with Anti-Coronavirus Immunoglobulin (OTAC) (Financial support : NIH ,USA)
4. Effectiveness of Covaxin and Covishield vaccines against severe COVID-19 in India, 2021: Multi-centric hospital-based case control study (Financial Support: ICMR)
5. 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 -(Financial Support: ICMR)

Completed:

As Principal Investigator :

1. Intramural project granted on “Molecular and serological techniques to detect DENV and CHIKV in suspected dengue-like syndrome patients Funded by AIIMS Jodhpur.

Examinerships:

1. External Examiner-2021 for 2nd professional MBBS Examination (RUHS, Rajasthan) SN Medical College, Jodhpur.

Membership/ Post in Journal or Society or Association:

1. Member; American Society For Microbiology (ASM)- 56091614
2. Member; American Heart Association (AHA)-181687726
3. Member; Indian Association of Medical Microbiologists (IAMM)-LM 2492
4. Member; Indian Association of Tropical Parasitology (Rajasthan Chapter)
5. Reviewer of Journal; Indian Journal of Medical Microbiology
6. Reviewer of Journal; Journal of Clinical and Diagnostic Research
7. Editorial Member; Journal of Mycology and Virology

National/ International Conferences attended:

1. Symposium organized by ICMR-NIIRNCD Jodhpur on “post covid non-communicable diseases & new strain of novel coronavirus: Public Health Implications & Research Directions” held at NIIRNCD campus, 12th April 2021.
2. Workshop on biosafety & biosecurity in microbiological and biomedical research, diagnosis, and clinical care Organized by Federation of Asia Biotech Association (FABA) held on 1st November 2021 to 7th November 2021 (Online).

Name of Faculty: Dr. Vibhor Tak
Designation: Associate Professor

Papers presented:

1. Shwetha JV, Mohapatra S, Panigrahi R, Tak V, Sneha KC, Chaudhuri S, Pundir S, Kocher D, Gautam H, Sood S, Das BK, Kapil A, Hari P, Kumar A, Kumari R, Salve HR, Malhotra S, Kant S, Silpa M, Ambica R. A nation-wide multi-centric study on community acquired urinary tract infection among children from a developing country. 13th ISAAR 2021 (International Symposium on Antimicrobial Agents and Resistance). 9th-10th September 2021. USA based virtual conference organized by Infectious Diseases Society of America
2. Mohapatra S, Shwetha JV, Panigrahi R, Tak V, Vivekananda P, Dippanita G, Sneha C, Kocher D, Chaudhuri S, Gautam H, Sood S, Das BK, Kapil A, Hari P, Kumar A, Kumari R, Salve HR, Malhotra S, Kant S, Silpa M, Ambica R. Uropathogenic E.coli coharbouring blaNDM-5, blaOxa-1, blaCTX-M-15/14, AmpC andAAC(3)- IIa/IIc/Ib isolated from strictly defined community-acquired UTI in paediatric patients: A multicentric prospective clinical microbiological and molecular study, 12th October 2021 presented as poster during MICRO-D-CON 2021 Delhi Chapter, New Delhi.

Invited Lectures:

1. Cutaneous Leishmaniasis in India, TROPACON 2021; 10th-11th December 2021; organized by PGIMER Chandigarh (Online)

Resource Faculty:

1. Organizer: Hands on workshop on AMR data management for evaluating early warning signals of HAI outbreaks using WHONET 2021, Organized by Department of Microbiology AIIMS Jodhpur in collaboration with AIIMS New Delhi and CDC USA, LT-2 AIIMS Jodhpur,10th-11th March 2022.

Research Project:

Ongoing:

As Principal Investigator:

1. Emerging drug resistance in community-acquired urinary tract infection & molecular insights into dynamics of resistance traits in Indian isolates: A multi-centric cross sectional study.ICMR,AIIMS New Delhi

As Co-Investigator:

1. Capacity building and strengthening of hospital infection control to detect and prevent antimicrobial resistance in India. CDC, USA, AIIMS New Delhi
2. All India Institute of Medical Sciences Jodhpur: Regional center for antimicrobial resistance surveillance network, ICMR, ICMR
3. Initiating antimicrobial stewardship activities in hospitals in India, ICMR,ICMR
4. Expansion of antimicrobial stewardship (AMSP) and infection prevention and control program (ICP) of ICMR in secondary care Hospitals,ICMR

Completed:

As Principal Investigator:

1. Evaluation of antiviral activity of a natural phytoconstituents based mouthwash.BITS Pilani Hyderabad Campus, BITS Pilani Hyderabad Campus

Scientific Awards:

1. Meghna Krishna Baweja Award. Presented For best paper presented in pediatric infectious disease category entitled Uropathogenic E.coli coharbouring blaNDM-5, blaOxa-1, blaCTX-M-15/14, AmpC andAAC(3)- IIa/IIc/Ib isolated from strictly defined community-acquired UTI in paediatric patients: A multicentric prospective clinical microbiological and molecular study,Micro D Con 2021 organized by Indian Association of Medical Microbiologists Delhi Chapter,12th October 2021.

Examinership:

1. External examiner, 2nd M.B.B.S, GMC Pali, April 2021
2. External examiner, 2nd M.B.B.S, SNMC Jodhpur, August 2021
3. External examiner, 2nd M.B.B.S, GMC Pali, 7th-9th Feb 2022
4. External examiner, 2nd M.B.B.S, SNMC Jodhpur, 14th -17th Feb 2022

National/ International Conferences attended:

1. TROPACON 2021, Organized by PGIMER Chandigarh, 10th-11th December 2021 (Online).
2. Hands on workshop on AMR data management for evaluating early warning signals of HAI outbreaks using WHONET 2021, Organized by Department of Microbiology AIIMS Jodhpur in collaboration with AIIMS New Delhi and CDC USA, LT-2 AIIMS Jodhpur,10th-11th March 2022.

Name of Faculty: Dr Sarika P. Kombade
Designation: Associate Professor

Research Project:

Ongoing:

As Principal Investigator

1. Study of Clostridium difficile infection in patients with antibiotic associated diarrhoea in hospitalized patients in tertiary care center at AIIMS Jodhpur.[Funding Agency-AIIMS Jodhpur].

As Co-Investigator

1. Regional level Viral Research and Diagnostic Laboratory. [Funding Agency -DHR, ICMR].
2. Strengthening of laboratory capabilities of AIIMS Jodhpur for diagnosis & control of rabies in Rajasthan, India.[Funding Agency - NCDC].
3. Hospital based surveillance of Streptococcus pneumoniae and other invasive bacterial diseases- Funding Agency –[ICMR, New Delhi]
4. Seroepidemology, maternal immune status and missed diagnosis of pertussis among young infants in India-a multicentric study- [Funding Agency -DBT-ICMR –NIV]
5. Profile and treatment outcome of patients presenting with urethritis at AIIMS, Jodhpur: A Prospective Study.(Intramural -Funded by AIIMS Jodhpur)
6. Comparision of cervico-vaginal microflora in infertile vs asymptomatic healthy parous women.`` .(Intramural -Funded by AIIMS Jodhpur)

Completed:

As Principal Investigator

1. Impact of conducting hand hygiene audit in COVID-19 care locations of India—A large scale national multicentric study. [Collaborating Institute –JIPMER Puducherry, (Non-funded)

As Co-Investigator

1. Effectiveness of Covaxin and Covishield vaccines against severe COVID-19 in India, 2021: Multicentric hospital based test-negative case control study. (Funding Agency -NIV-ICMR)

Scientific Awards/Patents

1. Awarded by Satymev Jayte Citizen Society of Jodhpur on the occasion of day for CORONA WARRIOR Award, 1st July 2021, Jodhpur.

Examinership

1. External examiner for 2nd MBBS Practical examination at GMC Pali, 7-9th Feb 2022
2. External examiner for 2nd MBBS Practical examination at SNMC Jodhpur, 14-17th Feb 2022
3. External examiner for 2nd MBBS Practical examination at GMC Bikaner, 21st - 22nd Feb 2022
4. Internal examiner for 2nd MBBS Practical examination at AIIMS Jodhpur, 5th March 2022.
5. Internal examiner for 2nd MBBS Practical examination, AIIMS Jodhpur, 20th -23rd Dec 2021
6. External committee member for Thesis Evaluation for MD Thesis. SNMC Jodhpur, 9th March 2021.

Resource Faculty:

1. Organizing secretary: Hands on workshop on AMR data management for evaluating early warning signals of HAI outbreaks using WHONET 2021, Organized by Department of Microbiology AIIMS Jodhpur in collaboration with AIIMS New Delhi and CDC USA, LT-2 AIIMS Jodhpur,10th-11th March 2022.

Membership/Post in Journal or Society or Association

1. Life Member; The Society for Indian Human and Animal Mycologists

National/ International Conferences attended:

1. 44th Annual Conference of Indian Association of Microbiology 2021, organized by Guwahati Medical College, 21st -24th December 2021 (Online)
2. 11th Annual Conference of Clinical Infectious Diseases- organized by Clinical Infectious disease society, 25th -29th August 2021 (Online)
3. Attended International Workshop on Advance Statistical Data Analysis using SPSS by organized by Science-Tech Institute, Lucknow, UP from 21st -27th Jan 2022.
4. Attended Hands-on Training for Rabies Diagnosis from 15th -16th March 2022 at NCDC New Delhi.
5. AMR WHO NET Data entry workshop and was the organizing secretary in Hands-on workshop on AMR data Management at AIIMS Jodhpur from 10th -11th March 2022.

Any other:

1. Team Member of Peer Assessment Faculty team from AIIMS Jodhpur under Kayakalp scheme for the year 2021-22 for peer assessment of AIIMS Raipur for 31st October - 1st Nov 2021.

Name of Faculty: Dr Vidhi Jain
Designation: Assistant Professor

Papers Presented:

1. Nare T, Radhakrishnan R, Shrimali T, Haripriya S, Jain V, Bhardwaj P, Tak V, Kombade SP, Gupta M, Goel AD, Dara S, Nag VL, Misra S. “Assessment of infection control practices during covid pandemic in a tertiary care center of Western Rajasthan.” Presented as a poster during MICRO-D-CON, Annual chapter, New Delhi, 26th November 2021.

Invited Lectures

1. Online Lecture titled “Microbiological aspect of COVID-Associated Mucormycosis (CAM) or Black Fungus”, Webinar of Jodhpur school of Public Health, 6th June 2021. (Online)
2. Radio talk titled “Black Fungus in Jodhpur”.19th May 2021, 94.3 MY FM, Jodhpur.

Symposium Speaker

1. Speaker in online talk- cum-interaction session, “Black Fungus: Symptoms, care and management” organized by 94.3 MY FM, Jodhpur in collaboration with AIIMS Jodhpur, on 20th May 2021. (Online)

Resource Faculty:

1. Hands-on Workshop on AMR Data Management for evaluating Early Warning Signals of HAI Outbreaks using WHONET 2021, organized in physical mode by AIIMS Jodhpur in collaboration with CDC Atlanta, held at AIIMS Jodhpur during 10th to 11th March 2021.

Research Project:

Ongoing:

As Principal Investigator

1. Diagnosis of invasive fungal infections in COVID and post-COVID patients using conventional and molecular methods. [Funding:ICMR]
2. Surveillance of Scrub typhus infection by serological and molecular testing by DHR- virus diagnostic laboratories across the country- [Funding DHR-ICMR]
3. Status of Sero-positivity among Asymptomatic Frontline Workers during the Lockdown Period due to COVID-19 Pandemic in Jodhpur. (Funded)
4. Isolate profiling and geographical distribution of cases of COVID-19 associated mucormycosis presenting to AIIMS Jodhpur (Non-funded)
5. Predictive value of various clinical specimens for the microbiological diagnosis of COVID-19 associated mucormycosis at AIIMS, Jodhpur (Non-funded)

As Co-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. [Funding:ICMR]
2. Expansion of antimicrobial stewardship (AMSP) and infection prevention and control program (ICP) of ICMR in secondary care hospitals. [Funding: ICMR-Pfizer]
3. Establishment of Consortium for One Health to address zoonotic and transboundary diseases in India, including the Northeast region. [Department of Biotechnology, GoI]
4. WHO Unity study: Assessment of risk factors for Coronavirus disease 2019 (COVID-19) in healthcare workers: protocol for a case-control study. [Funding:WHO]
5. COVID 19 vaccination in pregnancy: The COVIP study. [Funding:ICMR]
6. Clinical study for detection and characterization of superficial fungal infections using a multi-spectral fluorescence imaging device. [Funding: Indo-Swedish research grant]
7. C-Tb, a novel test to diagnose Mycobacterium tuberculosis infection: Its Test positivity and efficacy in Indian population as compared to Interferon λ release assay (IGRA) and Tuberculin skin test (TST). [Funding:WHO].
8. Environmental determinants of SARS-CoV-2 transmission and spread of mucormycosis:an exploratory research. [Funding: ICMR/NIECD]

9. Evaluation of risk factors, management and outcomes of orbital involvement in COVID-19 associated sinonasal mucormycosis with orbital involvement (Non-funded)
10. Renal mucormycosis presenting during COVID-19 pandemic: Analysis of clinical features, natural history and prognostic markers.(Non funded)
11. Evaluation of risk factors of invasive mucormycosis in COVID-19. (Non-funded)
12. 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)
13. 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 Co-Investigator

1. Assessment of Quality Improvement Initiatives for Infection Control in AIIMS Jodhpur. (Non-funded)

Scientific Awards:

1. First prize in the National Antimicrobial Stewardship (AMSP) Quiz, held on 2nd October 2021, during the 5th National Advanced Workshop on Hospital Infection Control, organize by the Hospital Infection Control & Prevention (HICP) unit, Department of Microbiology, JIPMER, from 28th September - 2nd October 2021, JIPMER, Puducherry.
2. Best Participant Award for Day 3 challenge round. 30th September 2021, during the 5th National Advanced Workshop on Hospital Infection Control, organize by the Hospital Infection Control & Prevention (HICP) unit, Department of Microbiology, JIPMER, from 28th September - 2nd October 2021, JIPMER, Puducherry.

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. Hands-on Workshop on AMR Data Management for evaluating Early Warning Signals of HAI Outbreaks using WHONET 2021, organized in physical mode by AIIMS Jodhpur in collaboration with CDC Atlanta, AIIMS Jodhpur, 10th - 11th March 2022.
2. National webinar on 'Attainment of quality benchmarks in Medical education: Responsibilities of a health institution' organized by KGMU Lucknow, 3rd- 4th December 2021 (Online).
3. The 5th National Advanced Workshop on Hospital Infection Control, organize by the Hospital Infection Control & Prevention (HICP) unit, Department of Microbiology, JIPMER, 28th September - 2nd October 2021, JIPMER, Puducherry.
4. 11th Annual conference of Clinical Infectious Diseases Society (CIDSCON) 2021 held on 25th to 29th August 2021 (Online)
5. The 1st AIIMS Delhi, ICMR, NCDC and CDC collaborative workshop "Capacity building and strengthening of Hospital Infection Control to detect and prevent Antimicrobial resistance in India", 29th – 30th June 2021. (Online)

6. Train the trainers (TOT) Workshop (ICMR-Pfizer) for "Expansion of Antimicrobial stewardship (AMSP) and Infection Control Program (ICP) in secondary care hospitals and private nursing homes", 24th -25th June 2021. (Online)

Any other information:

1. National TB Elimination Program (NTEP) Certification of Line probe assay (LPA) for FL and SL drugs in Rajasthan.

Name of Faculty: Dr. Kumar S Abhishek
Designation: Assistant Professor

Resource Faculty:

1. Hands on Workshop on AMR Data Management for Evaluating Early Warning Signals of HAI Outbreaks using WHONET 2021. 10th – 11th March 2022, 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 agency: AIIMS, Jodhpur)
2. Reducing turnaround time (TAT) by performing direct antimicrobial susceptibility testing from positively flagged blood culture bottles. (Non-funded)

As Co-Investigator

1. Clinical profile of urethritis and cervicitis and molecular characterization of the causative organisms. (Funding Agency: AIIMS, Jodhpur)
2. An investigation to determine the molecular basis of pathogenesis of SARS-CoV-2 and its variants. (Non-funded)
3. Isolate profiling and geographical distribution of COVID-associated fungal infections presenting to AIIMS Jodhpur. (Non-funded)

National/ International Conferences attended:

1. Hands-on Workshop on AMR Data Management for evaluating Early Warning Signals of HAI Outbreaks using WHONET 2021, organized in physical mode by AIIMS Jodhpur in collaboration with CDC Atlanta, held at AIIMS Jodhpur during 10th - 11th March 2022.
2. CME on "Establishing Antimicrobial Stewardship: A Roadmap by the Experts". AIIMS, Bilaspur. 27th November 2021. (Online)

Department of Neonatology

S.No.	Name	Designation
1	Dr. Arun Kumarendu Singh	Professor & Head
2	Dr. Neeraj Gupta	Additional Professor
3	Dr. S. Thanigainathan	Assistant Professor
4	Dr. Sushil Choudhary	Assistant Professor

About the Department

The Department of Neonatology is continually delivering high quality neonatal care. Our philosophy is now from survival to cognitive survival. We are making our care to more humanitarian. We have started to keep mother and sick new born together to improve cognition and to provide developmentally supportive care. The department has been providing neonatal services right from its early years of inception and the department is running the DM (Neonatology) course successfully with the first batch of trainees passed out in 2021. We have four faculty members in the department. We are now having 24-bedded NICU which includes mother-newborn ICU, isolation room and COVID NICU. The department delivers 24 hours resuscitation care, delivery room care, inpatient and outpatient care. The Department of Neonatology has, well equipped neonatal intensive care unit (NICU), postnatal ward and follows up clinic for high-risk infants to ensure the post discharge continuum of care. Department has started universal hearing screen for all newborn born at our institute. Department is establishing Comprehensive Lactation Management Centre (CLMC). This Comprehensive Lactation Management Centre is almost ready. CLMC will play an essential role in neonatal care by improving feeding practices and by providing human milk to infants who would otherwise not be able to receive human milk due to variety of reason.

Department is in the process of establishing Model Early Intervention Centre (EIC). Early intervention center will improve the overall quality of life of children with disability. It will help children's to achieve their full potential; and will also provide comprehensive care to all the children in the community. This will be a unique center which will also work as a training center for rest of the Rajasthan State. This EIC will act as a catalyst in improving care of children with birth defects developmental delay and disability across nation. In the last one year the department delivered services to approximately 2400 neonates. Around 502 neonates got admitted in NICU almost double from last year. Approximately 800 infants attended the 'high risk clinic' during the same time period. Our neonatal mortality rate ranges from 10-11 per 1000 live birth. Most of the time (>95%), our NICU is running with 100% bed occupancy rate. This is the referral center for western Rajasthan, 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. Meena A, Singh A, Goyal VK, Gupta N, Payal V, Chaturvedi K. Brain Injury Patterns in Neonates With Hypernatremic Dehydration: Single Center Experience. Indian Pediatr. 2021;58(10):947-950.
2. Yadav B, Gupta N, Gadepalli R, Nag VL. Neonatal dengue: an under-diagnosed entity. BMJ Case Rep. 2021;14(8):e241727.
3. Kaur M, Sethi P, Gupta N, Bhatia P. Burnout during the COVID-19 pandemic: time to ponder. Braz J Anesthesiol. 2021;71(2):190.

4. Abiramalatha, T; Thanigainathan, S; Ramaswamy, VV; Pressler, R; Brigo, F; Hartmann, H; (2022) Antiseizure medications for neonates with seizures. Cochrane Database of Systematic Reviews, 2022 (3),
5. Thangaraj Abiramalatha, Viraraghavan Ramaswamy, Sivam Thanigainathan. Platelet Transfusions in Neonates -- Unresolved Aspects and Future Directions. Authorea. December 09, 2021. DOI: 10.22541/au.163907411.17250562/v1
6. Thangaraj Abiramalatha, Viraraghavan Vadakkencherry Ramaswamy, Tapas Bandyopadhyay, Abdul Kareem Pullattayil, Sivam Thanigainathan, Daniele Trevisanuto, Charles C Roehr. Delivery Room Interventions for Hypothermia in Preterm Neonates: A Systematic Review and Network Meta-analysis. JAMA Pediatr. 2021;175(9):e210775.
7. Abiramalatha T, Bandyopadhyay T, Ramaswamy VV, Shaik NB, Thanigainathan S, Pullattayil AK, Amboiram P. Risk Factors for Periventricular Leukomalacia in Preterm Infants: A Systematic Review, Meta-analysis, and GRADE-Based Assessment of Certainty of Evidence. Pediatr Neurol. 2021 Nov;124:51-71.
8. Vats K, Choudhary SK, Kumar D, Bandopadhyay T. Myocardial performance index in term appropriate and small for gestational age neonates - a cross sectional study. J Neonatal Perinatal Med. 2021;14(4):485-491.
9. Singh BK, Bandyopadhyay T, Choudhary SK. Clinico-epidemiological profile and outcomes of babies with neural tube defects in a tertiary care center in Northern India. J Matern Fetal Neonatal Med. 2021; 13:1-6.

Non-Pubmed Indexed:

1. Vig A, Rathod KJ, Gupta N, Kumari K, Sinha A. Laparoscopic treatment of annular pancreas in a neonate. Journal of Pediatric Surgery Case Reports. 2021-08-01, Volume 71, Article 101914

Name of Faculty: Dr. Arun Kumarendu Singh
Designation: Professor & HOD

Books/Chapters

1. Guiding Companion for Early Childhood Development (ECD) Call Center for MOHFW, GOI
2. Guidelines for Autistic Spectrum Diseases in children New Delhi, RBSK, MOHFW, India.
3. Guidelines for Attention Spectrum Disorder in children New Delhi, RBSK, MOHFW, India.
4. Cerebral Visual Impairment, Dr. Arun Singh, First, New Delhi, RBSK, MOHFW, India.
5. Comprehensive newborn screening, handbook for screening functional birth defects at all delivery points, Dr. Arun Singh, First, New Delhi, RBSK, MOHFW India

Invited Lectures

1. LBSNAA, Mussoorie to address the Officer Trainees of 96th Foundation Course on "Interlinkage between Public Health and Nutrition". 10th December 2021 IAS training Academy.
2. "Scaling Early Childhood Initiatives", 13th - 18th March 2022 hosted in Harvard campus in Cambridge, Massachusetts, USA.

Symposium Speaker

1. “Shaping the future of life: Challenges of providing a Healthy Environment for children” Oration for International Health Conclave 2021, Dr. B.C. Roy Oration, Webinar Session”
2. “Developing Neonatal Care in India” GUEST SPEAKER AT AIIMS KALYANI
3. Nature and Nurture: 1000 days- The critical period for emergence of Autism and Autistic Spectrum Disorders: AIIMS Bhubaneswar

Research Project:

Ongoing:

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.

Name of Faculty: Dr. Neeraj Gupta
Designation: Additional Professor

Books/Chapters

1. Sasidharan R, Gupta N. Tuberculosis –Perinatal Perspective. In: NNF Clinical Protocols in Perinatology. Ashish Jain, Ballambattu Vishnu Bhat (editor) 1st edition, New Delhi, Jaypee Brothers Medical Publishers (P) Ltd. 2022, 271-278.

Papers Presented:

1. Gupta N, Yadav B, Tak V, Singh A, Agarwal A, Nag V. Emergence of Extensively Drug Resistant (XDR) Gram-negative Sepsis in Neonates: A Retrospective Cohort Study. 12th World Congress of the World Society for Pediatric Infectious Diseases (WSPID 2022), 22nd -24th February 2022. (Online)
2. Rohit Sasidharana, Neeraj Gupta, Bharti Yadav, Deepak Chawla, Kuldeep Singh, Arun Singh. 25% Dextrose vs. 24% Sucrose for heel-lancing in preterm infants: A Non-inferiority Randomized Control Trial. Pediatric Academic Societies (PAS) 2021 Virtual Meeting; 30th April – 4th May 2021. (Online)

Sessions Chaired:

1. Lung protective strategies in the immature newborn by Prof. Manuel Sanchez Luna from Spain, Learn from the Legends– An International Webinar Series in Neonatology, 11th Nov, 2021. (Online)
2. AKI-Role of prevention and early management. PDHANDSON, 27th Feb, 2022, AIIMS, Jodhpur

Invited Lectures

1. Fluid therapy, Anemia and Polycythemia. ONTOP – Online Training Program in Neonatology’, Department of Pediatrics, AIIMS, New Delhi, 7th Jan, 2022. (Online)
2. Breastfeeding - A dying art in 21st century, National webinar - MATRIPAYAMRIT-2021 (Breastfeeding week: 01-07 August 2021), 1st Aug, 2021, Dr. Sarvepalli Radhakrishnan Rajasthan Ayurved University, Jodhpur. (Online)

3. Care of LBW Infant Series (Five talks). Training for Enhancing Capacities for Neonatal Care (TECNeC), State NHM, Chattisgarh & UNICEF, 8th July - 26th Aug 2021 (Online).

Resource Faculty:

1. Discussion on IUGR. MILAN INTERNATIONAL – FOGSI NNF Perinatal Meet, 28th and 29th August 2021, Bangladesh (Online)
2. Science behind CPAP, surfactant and antenatal steroids. E Module on Preterm Care for Nurses, AIIMS New Delhi, National Neonatology Form (NNF) & Indian Association of Neonatal Nurses (IANN), July - Dec, 2021. (Online)
3. Basic NRP TOT. IAP-NRP-FGM, 30th Oct 2021, Hotel Indana Palace, Jodhpur

Research Project:

Ongoing:

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

Completed:

As Principal Investigator

1. Outcome of infants born to COVID-19 positive mothers: A Prospective Cohort Study'. AIIMS Jodhpur & CSIR-IGIB, New Delhi

Scientific Awards/Patents

1. **Participation Grant supported by The Bill & Melinda Gates Foundation. 12th** World Congress of the World Society for Pediatric Infectious Diseases (WSPID 2022), Virtual Congress, 22nd -24th February 2022. (Online)
2. Certificate for guiding IJP Best DM Thesis Award 2020-21. In recognition of thesis entitled "efficacy of 800 IU versus 400 IU per day of oral Vitamin D3 supplementation on Vitamin D sufficiency in healthy term breastfed infants: A randomized controlled trial" by DM student Dr. Bharti Yadav, 14th Dr. K.C. Chaudhuri Oration and Annual Day of IJP, 19th Sep 2021.

Examinership

1. Assistant Professor (Neonatology). RPSC, Ajmer, 9th April, 2021
2. Practical examination of DM (Neonatology). Bharati Vidyapeeth's Medical College, Pune, 28th Sep 2021
3. MBBS Prof-III (Pediatrics) under RUHS. Dr. S.N Medical College Jodhpur 24th -26th Mar 2022
4. MBBS Prof-III (Pediatrics) under RUHS. JLN Medical College, Jodhpur,7th -9thMarch 2022
5. Thesis Evaluation (MD Pediatrics). Dr. S.N Medical College, Jodhpur, 25th March 2022

National/ International Conferences attended:

1. 12th World Congress of the World Society for Pediatric Infectious Diseases (WSPID 2022), Virtual Congress 22nd -24th February 2022. (Online)

Name of Faculty: Dr. S. Thanigainathan
Designation: Assistant Professor

Books/Chapters

1. Thanigainathan S, Chanchal Kumar, Charu Sharma. Birth Trauma. In: Ashish Jain, Ballambattu V B eds. NNF Clinical Protocols in Perinatology. New Delhi:Jaypee Brothers Medical Publishers (P) Ltd;1st edi, 2022. p. 348
2. Thanigainathan S, Plakkal N. Kangaroo mother care. In: Bhat VB, Plakkal N, eds. NICU Protocols of JIPMER. New Delhi: Indian Journal of Pediatrics; 2022. p. 34-37.
3. Thanigainathan S, Gokul. Fluid and Electrolyte Balance in Newborns. In: Bhat VB, Plakkal N, eds. NICU Protocols of JIPMER. New Delhi: Indian Journal of Pediatrics; 2022. p. 73-82.
4. Thanigainathan S, Govind V. Neonatal Acute Liver Failure. In: Bhat VB, Plakkal N, eds. NICU Protocols of JIPMER. New Delhi: Indian Journal of Pediatrics; 2022. p. 106-109.
5. Thanigainathan S, Deepak T. RDS and Surfactant Therapy. In: Bhat VB, Plakkal N, eds. NICU Protocols of JIPMER. New Delhi: Indian Journal of Pediatrics; 2022. p. 124-129.
6. Thanigainathan S, Deepak T. RDS and Surfactant Therapy. In: Bhat VB, Plakkal N, eds. NICU Protocols of JIPMER. New Delhi: Indian Journal of Pediatrics; 2022. p. 124-129.
7. Thanigainathan S, Sushil. Shock in Nonates. In: Bhat VB, Plakkal N, eds. NICU Protocols of JIPMER. New Delhi: Indian Journal of Pediatrics; 2022. p. 191-204.
8. Thanigainathan S. Patent Ductus Arteriosus in Preterm Infants. In: Bhat VB, Plakkal N, eds. NICU Protocols of JIPMER. New Delhi: Indian Journal of Pediatrics; 2022. p. 205-212.
9. Thanigainathan S. Prevention of Infection. In: Bhat VB, Plakkal N, eds. NICU Protocols of JIPMER. New Delhi: Indian Journal of Pediatrics; 2022. p. 317-326.
10. Thanigainathan S. Chanchal. Common Drugs Used in the NICU. In: Bhat VB, Plakkal N, eds. NICU Protocols of JIPMER. New Delhi: Indian Journal of Pediatrics; 2022. p. 353-360.
11. Thanigainathan S. Chanchal. Ventricular Index. In: Bhat VB, Plakkal N, eds. NICU Protocols of JIPMER. New Delhi: Indian Journal of Pediatrics; 2022. p. 369-370.

Papers Presented:

1. Kaur R, Didel S, Thanigainathan, Singh AK, Gupta N, Choudhary S. Revisiting Down Syndrome leukemia transient versus permanent. Poster presentation in 24th Annual Conference of the Pediatric Hematology Oncology (PHOCON 2021). 10th -11th December 2021.

Sessions Chaired

1. Growing preterm clinical case presentation, TN NEOTALK, 9th July 2021, Dr.Mehta's Hospital, Chennai.

Research Project

Completed

As Principal Investigator

1. Evaluating the efficacy of “novel self-administrative nasopharyngeal wash specimen collecting device” in diagnosis of novel Corona virus 19 infection – A Diagnostic study

Scientific awards/Patent

1. Patent for a self-administered device for collection of nasopharyngeal wash specimen for microbiological testing .

Membership/Post in Journal or Society or Association

1. Associate Editor; Cochrane Neonatal Review Group

Name of Faculty: Dr. Sushil Kumar Choudhary
Designation: Assistant Professor

Papers:

1. Vats K, Choudhary SK, Kumar D, Bandopadhyay T. Myocardial performance index in term appropriate and small for gestational age neonates - a cross sectional study. J Neonatal Perinatal Med. 2021;14(4):485-491.
2. Singh BK, Bandyopadhyay T, Choudhary SK. Clinico-epidemiological profile and outcomes of babies with neural tube defects in a tertiary care center in Northern India. J Matern Fetal Neonatal Med. 2021; 13:1-6.

Resource Faculty:

1. Basic NRP TOT. IAP-NRP-FGM, 30th Oct 2021, Hotel Indana Palace, Jodhpur

Research Project:

Ongoing:

As Co-Investigator-

1. Immunogenicity of COVID-19 Vaccine in pregnancy

Department of Nephrology

S.No.	Name	Designation
1	Dr. Manish Chaturvedy	Additional Professor
2	Dr. Nitin Kumar Bajpai	Associate 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. AIIMS Jodhpur is the primary center to cater to renal transplant facility in Western Rajasthan.

Compiled list of Publications of the department:

Papers

Pubmed Indexed:

1. 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. 2021 Jun 1:1-1.
2. Agarwal RG, Khokhar M, Purohit P, Modi A, Bajpai NK, Bohra GK, Garg MK, Sharma P. A clinical and in-silico study of MicroRNA-21 and growth differentiation factor-15 expression in pre-diabetes, type 2 diabetes and diabetic nephropathy. Minerva Endocrinology. 2022 Feb

Non-Pubmed Indexed:

1. Panduranga AH, Chaturvedy K, Chaturvedy M, et al: Study of renal parenchymal changes by diffusion tensor imaging in diabetic nephropathy. Polish Journal of Radiology 2022;87:e163-e171.

Name of Faculty: Dr. Manish Chaturvedy
Designation: Additional Professor

Sessions Chaired:

1. Poster session, Indian society of Nephrology National conference (ISNCON-2021), 10th -12th December 2021, Chennai

Invited Lectures

1. Invited lecture on Pediatric CKD- Management, "PDHANDSON-2022" Workshop cum CME, 27th February 2022, AIIMS Jodhpur

Resource Faculty:

1. Member for drafting the National Comprehensive Guidelines for Post COVID Nephrological sequelae, September 2021 under DGHS, Ministry of Health and Family Welfare.

Research Project:

Ongoing:

As Co-Investigator

1. Characterization of amyloidosis in diagnostic services using western blot technique and immunogold electron microscopy – Department of Pathology.
2. 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.- Department of Transfusion Medicine & Blood Bank.

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**.**

National/ International Conferences attended:

1. Indian Society of Nephrology Conference, (ISNCON 2021), 10th - 12th December 2021.

Name of Faculty:Dr. Nitin Kumar Bajpai
Designation:Associate Professor

Sessions Chaired:

1. Poster session, Indian society of Nephrology National conference (ISNCON-2021), 10th -12th December 2021, Chennai
2. ISOT Midterm conference, 26th – 27th March 2022, Patna.

Invited Lectures

1. Experiences and Challenges for starting Renal Transplant at AIIMS Jodhpur. Patna transplant update 2021, 13th March 2021, Main Auditorium, IGIMS, Patna, Bihar.

Research Project:

Ongoing:

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.- Department of Transfusion Medicine & Blood Bank.

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 2021), 10^{th} - 12^{th} December 2021.

Name of Faculty: Dr. Rajesh Jhorawat
Designation: Associate Professor

Sessions Chaired:

1. Invited lecture on Pediatric CKD- Management, "PDHANDSON-2022" Workshop cum CME, AIIMS Jodhpur, 27^{th} February 2022

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

Department of Neurology

S.No.	Name	Designation
1.	Dr. Samhita Panda	Additional Professor and Head
2.	Dr. Sucharita Anand	Assistant Professor
3.	Dr. Anka Arora	Assistant Professor (on Contract)

About The Department:

The year saw further growth of the Department in terms of faculty, residents and services. Dr. Sucharita Anand joined as Assistant Professor on 25/06/21 while Dr. Anka Arora as Assistant Professor (contractual) on 19th February 2022. Three more candidates were inducted into DM course in July 2021 and January 2022. 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 affected by the COVID pandemic. This year, a total of 13,690 patients (5292 new patients and 5705 old) were seen physically in OPD with additional 2693 teleneurology consultations. Around 799 patients were admitted in wards, a significant growth over previous years. Many patients were admitted from Emergency to AICU as well as COVID wards and ICUs for various neurological problems. A feather in the cap was the inauguration of the dedicated Neurology ICU on 12th April 2021. A total of 129 patients were managed in the Neurology ICU this year with the team able to save 105 patients who were successfully discharged.

Strokes have been a major cause for admissions, especially in the COVID and post COVID scenario. Total of 315 stroke patients were admitted under Neurology alone of which 73 patients received intravenous thrombolysis. Thirty-six stroke patients underwent emergency decompressive craniectomies as lifesaving procedure. Transcranial doppler studies were done for 25 patients to assess the status of intracranial blood flow after ischemic stroke after stroke and thrombolysis when done.

The Comprehensive Epilepsy Surgery Program at AIIMS, Jodhpur took a backseat due to COVID pandemic. A total of 17 surgeries have been done for drug refractory epilepsy, 7 in the year 2021-22. Out of these, 9 completed 2-year postoperative period, and 8 are seizure free with Engel class I outcome. Botox injections for movement disorders were also given though services were curtailed due to COVID restrictions. Amongst other neurological disorders, 66 patients of central/ peripheral demyelination and autoimmune disorders were evaluated and treated. Some of these were also enrolled in the National Multiple Sclerosis Registry.

Electrophysiology services have further expanded with services to both outpatients and inpatients amounting to 2641 tests. Upto 31st March 2022, 1512 EEGs, 714 nerve conduction studies, 110 electromyography studies, 232 evoked potential studies and 34 repetitive nerve stimulation tests were done. Of these, 421 bedside EEGs and 146 bedside nerve conduction studies were done. The non-invasive presurgical workup for drug resistant epilepsy included 31 video EEGs. Intraoperative electrocorticography was done in 8 patients.

The Neurology department coordinated with other departments for special investigations such as- a high number of neuroimaging including CT head, CT angiography, CT perfusion, MRI brain and spine and DSA in department of Diagnostic and Interventional Radiology, and biopsies of nerve, muscle, brain tissue, and skin (19) sent to Department of Pathology. The Department of Nuclear Medicine did 37 PET studies of brain for various disorders (Epilepsy-31, Autoimmune Encephalitis- 2, FTD-3, MSA/PSP-1) and 73 whole body PET as paraneoplastic workup.

Publications from the Department of Neurology:

Pubmed Indexed:

1. Panda S, Patel P, Jain S, Sharma S, Vegda M, Patel A, Tiwari S, Anne PB, Suthar N, Kumar B, Nag VL. Solitary Large Denovo Tumefactive Demyelination in COVID-19- is there a causal association? Neurol India. 2021;69(5):1424-1426. doi: 10.4103/0028-3886.329572.
2. Garg D, Dhamija RK, Choudhary A , Shree R , Kumar S , Samal P et al on behalf of the GBS consortium. Impact of the COVID-19 Pandemic on the Frequency, Clinical Spectrum and Outcomes of Pediatric Guillain-Barré Syndrome in India: A Multicentric Ambispective Cohort Study. Ann Ind Acad Neurol. 2022;25(1):60-67.
3. Vegda M, Panda S, Tiwari S, Garg PK, Anushaprasath U. Tapia syndrome plus following transverse sinus stenting for idiopathic intracranial hypertension: a case report. Ann Clin Case Rep. 2022; 7: 2122. ISSN: 2474-1655.
4. Panda S. Adult Onset Subacute Sclerosing Panencephalitis- exploring a Potential Cure. Accepted in Neurol India.
5. Sharma S, Panda S, Tiwari S. Dilemmas in Acute Onset Chronic Inflammatory Demyelinating Polyneuropathy: a new axonal variant? Accepted in Ann Ind Acad Neurol.
6. Vegda M, Panda S, Tiwari S. Revisiting Cerebral Ptosis- an oft underreported observation. Accepted in Neurol India.
7. Panda S, Tiwari S, Pamnani J, Vegda M, Patel A, Sharma S, Jain S, Patel P, Saroha D, Khera P, Midha N, Garg M, Nag VL. Large Vessel Occlusions by Free Floating Thrombi in Strokes during the COVID-19 pandemic- An Observational Study. Accepted in Neurol India.
8. Chaudhary SK, Kumar A, Rana N, Panda S, Midha N. Attitude regarding prevention of stroke among hypertensive patients: a hospital based survey in western Rajasthan, India. Accepted in Ann Ind Acad Neurol.
9. Sharma S, Kumar A, Rana N, **Panda S**. Quality of life among epilepsy patients: Institutional- based survey, Western Rajasthan, India. Accepted in Ann Ind Acad Neurol.
10. Stroke Protocol: IMPETUS: Implementing a Uniform Stroke Care Pathway in Medical Colleges of India: IMPETUStroke. Accepted in Ann Ind Acad Neurol.

Non-Pubmed Indexed:

1. Ayyawar H, Kothari N, Sharma A, Bhatia P, Panda S. Hypokalemic paralysis leading to Respiratory Failure: an unusual presentation of Sjogren's Syndrome. Austin Critical Care Case Reports. 2021;5(3):1030.
2. Dwivedi R, Dwivedi P, Yadav SS, Bohra G, Bhardwaj A, Dutt N, Deora S, Bhardwaj P, Panda S, Singh P, Singh K. A community cross-sectional study on knowledge, attitude, and practice (KAP) of prevention of COVID-19 among traditional tribal healers in the tribal subpopulation (TSP) zone of Sirohi district of Rajasthan. Int J Community Med Public Health. 2022 Mar;9(3):1324-1331

3. Rukhsar S, Panda S, Tiwari AK. Deep Optimized Electrodes and Frequency Bands in the Phase Space for Identification of Seizures. TechRxiv. 2021. Preprint. https://doi.org/10.36227/techrxiv.17372024.v1
4. Panda S. COVID-Omicron-Sleep. A Harrowing Ordeal. PMJ blog https://blogs.bmj.com/pmj/2022/01/28/covid-19-omicron-sleep-a-harrowing-ordeal/

Eminent Visitors:

1. Dr. Jaivir S. Rathore, MD, FAES, Co-Chairman, Epilepsy Foundation of America (Florida Chapter), and President of Dori Foundation presented guest lecture on 'Recent Neurosurgical Advances in Treatment of Drug Resistant Epilepsy' on 23rd March 2022 at AIIMS Jodhpur.

Name of Faculty: Dr. Samhita Panda
Designation: Additional Professor and Head

Books/Chapters:

1. Panda S, Jain S, Sharma S, Tiwari S. Neurological manifestations in COVID-19. In: The COVID-19 Pandemic and the Future: Virology, Epidemiology, Translational Toxicology and Therapeutics. Dhawan et al (eds), 1st edition, published by Royal Society of Chemistry

Invited Lectures:

1. "Epilepsy and EEG: Practical guide." Indian Epilepsy Society sponsored web-based program for general practitioners. May 2022. Online

Symposium Speaker:

1. 'Biomarkers of Epilepsy.' 29th Annual conference of the Indian Academy of Neurology. 11th - 14th November 2021, Bengaluru.

Resource Faculty:

1. 'Development of the National Comprehensive Guidelines for Management of Post-COVID Neurological Sequelae'. Ministry of Health and Family Welfare, Government of India, September 2021.

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. Impact of COVID 19 on the frequency, spectrum and outcomes of Guillain-Barré Syndrome in India: A Multicenter Ambispective Cohort study
3. Indian Multiple Sclerosis And Allied Demyelinating Disorders Registry And Research Network
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'

As Co-Investigator:

1. Quantitative sensory testing of allodynia in migraine: Its association with endogenous sex hormones & TRPV1 expression
2. 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)
3. Surveillance of scrub typhus infection by serological and molecular testing by DHR- virus diagnostic laboratories across the country
4. Therapeutic Plasma Exchange in Neurological Disorders: A Tertiary Care Blood Center Experience from North India.
5. Sentinel Surveillance for Adverse Events of Special Interest (AESI) following COVID-19 vaccination in India.
6. Guillain Barre syndrome in the era of COVID. Is it different?
7. Metformin for drug-resistant epilepsy. A randomized double-blind placebo-controlled trial.

Completed:

As Principal Investigator

1. Determining the utility of cerebrospinal fluid free light chains (kappa and lambda) quantification for diagnosis of multiple sclerosis**. (Completed)**

As Co-Investigator

1. Electroencephalographic Analysis in Migraine clinical phenotypes (Completed in 2021)
2. Study of Knowledge, attitude and Practice about COVID 19 among tribal healers in district Sirohi. (Completed in 2021)

Examinership-

1. D.M. Neurology final examinations for Dr. S.N. Medical College, Jodhpur, September 2021
2. D.M. Neurology first year theory examinations for SCTIMST, Trivandrum, July 2021
3. D.M. Neurology final year theory examinations for AIIMS Rishikesh, August 2021
4. Thesis Evaluation for D.M. Neurology for AIIMS, Delhi, October 2021
5. Thesis Evaluation for D.M. Neurology for SCTIMST, Trivandrum, October 2021
6. Thesis Evaluation for D.M. Neurology for NIMHANS, Bangalore, October 2021
7. Thesis Evaluation for D.M. Neurology for AIIMS, Bhopal, March 2021
8. Thesis Evaluation for D.M. Neurology for Guru Gobind Singh University, Delhi, March 2022
9. Thesis Evaluation for M.D. Medicine for PGIMER, Chandigarh, April 2021

Membership/Post in Journal or Society or Association

1. Member; American Academy of Neurology

National/ International Conferences attended:

1. Stroke Summer School, Indian Stroke Association, organized by AIIMS Delhi, 11th-13th June 2021
2. 29th Annual conference of the Indian Academy of Neurology, organized by NIMHANS, Bengaluru, from 11th -14th November 2021.

Name of Faculty: Dr Sucharita Anand
Designation: Assistant Professor

Research Project:

Ongoing:

As Co-Investigator:

1. Surveillance of scrub typhus infection by serological and molecular testing by DHR-virus diagnostic laboratories across the country
2. Implementation of an evaluation and treatment package for uniform stroke care and outcomes in the medical colleges in India: an implementation research study

Name of Faculty: Anka Arora
Designation: Assistant Professor (Contractual)

Recently joined

Department of Neurosurgery

S. No.	Name	Designation
1	Dr. Deepak Kumar Jha	Professor
2	Dr. Suryanarayanan Bhaskar	Additional Professor
3	Dr. Mayank Garg	Associate Professor
4	Dr. Jaskaran Singh Gosal	Assistant 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 has been flourishing with every passing year, after its inception in June 2017. The Department established itself nationally and internationally as a force to reckon with by organizing the SkullBaseCon 2021 which was a hybrid national level conference attended (physically and virtually) by national and internationally renowned faculty members. Various national and international neurosurgeons who are masters in their field participated in a big way and the conference was an immense success. The meeting also comprised Hands on cadaveric microscopic and endoscopic workshops, micro-suturing and high-speed drill workshop.

The first batch of 3-year MCh residents passed out during this period thus marking the beginning of the AIIMS Jodhpur Neurosurgery alumni. The Department also got the first Spine research fellow under the new one-year course wherein the candidate will get acquainted with various nuances of Neurospine surgery and get ample hands-on experience.

The eight bedded Neurosurgery ICU became fully functional, which made the Department more self-sufficient and now numerous critical Neurosurgery patients are being managed by the Department. With the installation of fully equipped 3D C-arm, the department took a huge step forward with regard to Hybrid Vascular Micro-neurosurgery and we aspire to train our residents also in this. This kind of training is available in very limited centers in India.

The Department also achieved a lot on the academic front as our faculty members and residents presented papers and posters in various national and international conferences and have won accolades and prizes. Our senior residents also secured fellowships at AIIMS, New Delhi after clearing the competitive exams. The Department boasts of having all the latest equipment and technology in Neurosurgery and has been performing all kinds of neurosurgical procedures. Few of the neurosurgical procedures, which are being provided in this part of the country (Rajasthan) only by AIIMS Jodhpur, are: Peripheral Nerve Surgeries, Craniovertebral Junction Surgeries, Neurovascular Surgeries (Aneurysms/AVMs), Epilepsy Surgeries, Surgeries under guidance of Neuro-navigation system, Stereotactic biopsy and Endoscopic keyhole surgeries

The Department has been catering to patients from all over north India with ever-increasing numbers in the OPD, which runs for six days a week. Neurosurgery department has served a total of approximately 6281 out-patients (including mild and moderate head and spine injuries) and performed more than 510 surgeries in one year. The annual attendance of new patients attending outpatient department was approximately 995. With the introduction of Ayushman and Chiranjeevi scheme, many patients have reaped the benefits of high quality Neurosurgical care free of cost.

The Department also moderates monthly neurosciences meet wherein various experts of Jodhpur city from neurosciences share their work and there is mutual exchange of experiences of their respective specialties. The Department is also engaged in research work, which include investigator-initiated studies. The department also has many publications in various esteemed journals during this period. The faculty members attended various conferences as invited faculty members wherein they presented their work.

In the coming years, the department strives to reach greater heights and with few more dedicated faculty and devoted students joining the department in future, efforts will continue to further glorify the stature of AIIMS, Jodhpur. We as a Department, are committed to provide the

best possible patient care and top-notch neurosurgical training to the residents and perform quality research work.

List of Publications:

1. Kaur M, Balakrishnan N, Gosal JS, Bhatia P, Bhaskar S, Jha DK. Efficacy of Hyaluronidase in the Mannitol Extravasation Induced Compartment Syndrome-A Case Report and Review of Literature. Turk J Anaesthesiol Reanim. 2021; 49(4):329-333. doi: 10.5152/TJAR.2021.570.
2. Agrawal I, Sharma N, Saxena S, Arvind S, Chakraborty D, Chakraborty D, Jha D, Ghatak S, Epari S, Gupta T, Jha S. Protocol for induction and characterization of microglia extracellular traps in murine and human microglia cells. STAR Protoc. 2021, 20; 2(3):100678. doi: 10.1016/j.xpro.2021.100678.
3. Jha DK, Gosal JS, Kumar R, Khera P. Delayed Post-Operative Aggravation of Sleep Related Disturbances in Patients of Basilar Invagination with Chiari Malformation: Case Report and Review of the Literature. Br J Neurosurg. 2021 10;1-5. doi: 10.1080/02688697.2021.1947981.
4. Gosal JS, Tiwari S, Sharma T, Agrawal M, Garg M, Mahal S, Bhaskar S, Sharma RK, Janu V, Jha DK. Simulation of Surgery for Supratentorial Gliomas in Virtual Reality using 3D Volume Rendering Technique: A Poor Man's Neuronavigation. Neurosurg Focus. 2021; 51(2):E23. doi: 10.3171/2021.5.FOCUS21236.
5. Gosal JS, Ruparelia J, Garg M, Bhaskar S, Singh S, Jha DK. Modified Taylor Retractor in Unilateral Subperiosteal Lumbar Microdiscectomy- A Frugal Alternative to the Tubular Retractor. World Neurosurg. 2021; 152:44-55. doi: 10.1016/j.wneu.2021.05.119.
6. Sharma T, Totala P, Agrawal M, Gosal JS, Sharma R, Janu V, Garg M, Bhaskar S, Jha DK. Letter to the Editor Regarding “Effect of Chronic Alcoholism on Traumatic Intracranial Hemorrhage”. World Neurosurg. 2021; 149:311. doi: 10.1016/j.wneu.2021.01.144.
7. Kaur M, Singh R, Kumari K, Chhabra S, Gosal JS, Bhaskar S, et al. Noise-making Toy: A Novel Technique for Motor Function Assessment During Awake Craniotomy. *J Neurosurg Anesthesiol*. 2021 Jun 3. doi: 10.1097/ANA.0000000000000781. Epub ahead of print. PMID: 34081640.
8. Ruparelia J, Singh Gosal J, Kumari K, Varshney VK, Sureka B, Bhaskar S, et al. Acute postoperative pancreatitis after craniotomy for excision of insular glioma: A classic case of whodunit. *J Pediatr Neurosci* [Epub ahead of print] [cited 2022 Feb 23].
9. Choudhary A, Sharma RK, Bhaskar S, bano S, Gupta N. A Prospective study of outcome predictors of Intramedullary spinal cord tumors. J Radiat Cancer Res.
10. Garg M, Kumar A, Singh PK, Mahalangikar R, Satyarthee GD, Agrawal D, Gupta D, Gurjar HK, Mishra S, Chandra PS, Kale SS. Transpedicular Approach for Corpectomy and Circumferential Arthrodesis in Traumatic Lumbar Vertebral Body Burst Fractures: A Retrospective Analysis of Outcome in 35 Patients. Neurol India. Mar-Apr 2021;69(2):399-405.

11. Jha DK, Garg M, Bhaskar S, Gosal JS, Shukla K, Chugh VK, Khera P, Bhatia PK. Methylmethacrylate Inter-Facetal and Inter-Vertebral Body Spacers for Cranio-Vertebral Junction and Various Spine Surgeries: Technical Note. Asian J Neurosurg. 2021 Sep 14;16(3):648-654.
12. Samaddar A, Priyadarshi K, Shankarnarayan SA, Sharma A, Garg M, Shrimali T, Ghosh AK. Fatal cerebral phaeohyphomycosis caused by *Cladophialophora bantiana* mimicking tuberculous brain abscess. Germs. 2021 Dec 29;11(4):597-603.
13. Soni K, Das A, Sharma V, Goyal A, Choudhury B, Chugh A, Kumar D, Yadav T, Jain V, Agarwal A, Garg M, Bhatnagar K, Elhence P, Bhatia PK, Garg MK, Misra S. Surgical & medical management of ROCM (Rhino-orbito-cerebral mucormycosis) epidemic in COVID-19 era and its outcomes - a tertiary care center experience. J Mycol Med. 2021 Dec 25; 32(2):101238.
14. Das KK, Gosal JS, Ashish K, Gandhi A, Jaiswal AK, Behari S. Trigeminal Neuralgia from an Arteriovenous Malformation of the Trigeminal Root Entry Zone with a Flow-Related Feeding Artery Aneurysm: The Role of a Combined Endovascular and "Tailored" Surgical Treatment. Neurol India 2021;69:744-7
15. Ruparelia J, Khatri D, Gosal JS. Duration of Neurosurgery Residency in India and its Impact on Training: A Comparison of Residency Structures. World Neurosurg. 2021 Jul 6;154:29-31.
16. Das KK, Gosal JS, Khatri D, Srivastava AK. Letter to the Editor. Outcome prediction and assessment after surgery in CM-I: there is more to it than meets the eye. J Neurosurg. 2021 Oct 15:1-2.
17. Gosal JS, Nangarwal B, Das KK, Khatri D, Bhaisora K, Verma PK, et al. Anterior Skull Base Meningioma: Surgical Approach and Complication Avoidance. Journal of Neurological Surgery Part B: Skull Base. January 2022
18. Das KK, Nangarwal B, Gosal JS, Bhaisora KS, Srinivasan R, Srivastava AK. Microneurosurgery for Spinal Dural Arteriovenous Fistula- Operative Video. Neurol India 2022;70:54-6.
19. Gosal JS, Khatri D, Das KK, Gajbhiye S, Mehrotra A, Jaiswal AK, et al. Thirteen-and-a-half Syndrome Secondary to the brainstem Cavernoma. Neurol India 2022;70:355-8.
20. Verma S, Singh PK, Agrawal M, Sawarkar D, Borkar SA, Kumar A, Garg K, Agrawal D, Gupta D, Satyarthee G, Chandra SP, Kale SS. Use of Intraoperative Imaging to Preserve C1-C2 Mobility in Complex Atlas-Hangman Fractures. Neurol India. 2022 Jan-Feb;70(1):209-214.
21. Agrawal M, Devarajan LJ, Dharanipathy S, Katiyar V, Singh PK, Garg A, Chandra PS, Kale SS. Morphometric Analysis of C2 Pedicle in 247 Patients and Proposal for Trajectory and Size of Pedicle Screw. Neurol India. 2021 Jul-Aug;69(4):925-930.
22. Singh PK, Verma SK, Chandra PS, Sawarkar D, Doddamani R, Agrawal M, Kumar A, Meena R, Agrawal D, Garg A, Kale SS. Management of Myelopathy due to Anterior Soft-Tissue Compression in Vertebral Hemangioma. World Neurosurg. 2021 Nov;155:e1-e8.
23. Chandra PS, Doddamani R, Girishan S, Samala R, Agrawal M, Garg A, Ramanujam B, Tripathi M, Bal C, Nehra A, Tripathi M. Robotic thermocoagulative hemispherotomy: concept, feasibility, outcomes, and safety of a new "bloodless" technique. J Neurosurg Pediatr. 2021 Apr 2;27(6):688-699.
24. Samala R, Doddamani RS, Meena R, Agrawal M, Sawarkar D, Agrawal D, Chandra PS, Tripathi M. Vagal Nerve Stimulation For Non-neurological Diseases: An Overview. J Peripher Nerve Surg. 2021; 5:14-18.
25. Samala R, Agrawal M, Doddamani RS, Meena R, Agrawal D, Chandra PS, Tripathi M. Pearls and Nuances in Vagal Nerve Stimulator Implantation Surgery. J Peripher Nerve Surg. 2021;5:19–23.
26. Agrawal M, Garg K, Samala R, Rajan R, Singh M. A Scientometric Analysis of the 100 Most Cited Articles on Pallidotomy. Stereotact Funct Neurosurg. 2021;99(6):463-473.

27. Agrawal M, Garg K, Samala R, Rajan R, Naik V, Singh M. Outcome and Complications of MR Guided Focused Ultrasound for Essential Tremor: A Systematic Review and Meta-analysis. Front Neurol. 2021 May 7;12:654711.
28. Agrawal M, Tripathi M, Samala R, Doddamani R, Ramanujan B, Chandra PS. Epilepsy surgery in COVID times-a unique conundrum. Childs Nerv Syst. 2021 Oct;37(10):3219-3224. doi: 10.1007/s00381-021-05048-4.
29. Sharma T, Tatola P, Agrawal M, Gosal JS, Sharma R, Janu V, et al. letter to editor regarding "Effect of Chronic Alcoholism on Traumatic Intracranial Haemorrhage". World Neurosurg. 2021 May;149:311. doi: 10.1016/j.wneu.2021.01.144. PMID: 33940695.
30. Nayak N, Singh PR, Sharma RK, Gupta SK, Gandhoke CS, Sharma AK. Impact of COVID-19 Pandemic during the Lockdown on the Traumatic Brain Injury—An Institutional Experience. Indian Journal of Neurotrauma. 2021 Apr 15.
31. Singh PR, Sharma RK, Chaturvedi J, Nayak N, Sharma AK. Surgical Outcome of Large Solid Posterior Fossa Hemangioblastoma without Preoperative Embolization. Journal of Neurological Surgery Part A: Central European Neurosurgery. 2021 Aug 25
32. Singh PR, Sharma RK, Chaturvedi J, Nayak N, Sharma AK. Surgical Outcome of Large Solid Posterior Fossa Hemangioblastoma without Preoperative Embolization. Journal of Neurological Surgery Part A: Central European Neurosurgery. 2021 Aug 25

Name of Faculty : Dr. Deepak Kumar Jha
Designation : Professor

Research Project:

Ongoing:

As Co- Investigator:

1. Development of an AI platform for prediction of brain tumour to therapies from multimodal human tumor spheroid data. (AIIMS-IIT J): Co-PI
2. Unravelling key tumour-immune-microenvironment interactions in three-dimension with multicellular glioblastoma spheroids. (AIIMS-IIT J): Co-PI
3. An endoscopic camera system. (BIRAC's BIG Scheme, AIIMS-IIT J): Co-PI
4. A Prospective Randomised Controlled Study Of Fluorescein Guided Resection V/S Non-Fluorescein Guided Resection Of High-Grade Gliomas (Guide)

Completed:

As Co-Investigator:

1. Development of protocol for isolation of primary microglia from human brain tissue. (Co-PI, AIIMS-IIT J)

Guest lectures:

1. "Reluctance in drilling in neurosurgery: Approaches and implications ", 10th annual conference of the Neurological Surgeon Society of India for the year 2022 (NSSICON-2022) at AIIMS Risikesh. (4-5 March).

2. Public Awareness Lecture on “Prevention of traffic rule violation in society: Role of children” on World Head Injury Day
3. Guest Lecture: Exploiting radiology in neurotrauma for surgical planning 6th AIIMS Annual Neurotrauma Conference (under the aegis of Society of Trauma and Acute Care. (20-22 March 2022)

Name of Faculty : Dr. S Bhaskar
Designation : Additional Professor

Research Project:

Ongoing:

As Co-Investigator

1. Acute Normovolemic Hemodilution in Intracranial Meningiomas, Arteriovenous Malformations & High Grade Vascular Brain Tumor Surgeries - A Prospective Randomized Controlled Study
2. Development of an AI platform for prediction of brain tumour to therapies from multimodal human tumor spheroid data. (AIIMS-IIT J): Co-PI

List of papers presented

1. NSI CME talk on VRT in Glioma surgery Dec 2021 (virtual)
2. Impact of covid-19 pandemic and lockdown measures on traumatic brain injury epidemiology in India presented at Neurotrauma 2021 (Virtual)
3. Mucous Extractor for Tumour Tissue Sampling in Neurosurgery- A technical note at Skullbasecon 2021, AIIMS Jodhpur
4. *There’s nothing “Routine” about a Routine Postop CT* — Role of Early Postoperative CT Scan in Elective Cranial Surgeries, presented at NSICON 2021(Virtual)
5. Traumatic pneumorrhachis presenting as compressive myelopathy: a case report presented at Annual Neurotrauma Conference 2022, AIIMS New Delhi
6. Time to change the concepts of seizure prophylaxis for TBI? An institutional experience, presented at Annual Neurotrauma Conference 2022, AIIMS New Delhi
7. A comparative study of Autologous vs Allogenic cranioplasty following post-traumatic decompressive craniectomy, presented at Annual Neurotrauma Conference 2022, AIIMS New Delhi

Name of Faculty : Dr. Mayank Garg
Designation : Associate Professor

Research Project:

Ongoing:

As Principal Investigator:

1. Comparison of epidural morphine versus epidural dexamethasone for postoperative analgesia following lumbar discectomy: A double blinded, randomized control study.

2. ECOG Performance score and socioeconomic status affecting patient satisfaction in patients undergoing cranial surgery – An observation study (Thesis: Guide)
3. Pre-operative differentiation of high grade glioma solitary metastases Of Brain By Clinical, Radiological And Hematological Parameters: An Observational Study (Guide)

Completed:

As Principal Investigator:

1. Methylmethacrylate Inter-Facetal and Inter-Vertebral Body Spacers in Cranio-Vertebral Junction (CVJ) and Various Spine Surgeries respectively.

Name of Faculty: Dr. Jaskaran Singh Gosal
Designation: Assistant Professor

Book Chapters:

1. Das KK, **Gosal JS**, Joseph J, Behari S. Intracranial meningiomas. In: Thamburaj AV, Behari S, eds. Comprehensive Neurosurgery. Chennai: BOHR; 2021: 891-914.

Papers presented:

1. Midline suboccipital keyhole craniotomy and endoscopic controlled excision of fourth ventricle epidermoid
2. Impact of covid-19 pandemic and lockdown measures on traumatic brain injury epidemiology in India presented at Neurotrauma 2021 (Virtual)
3. Mucous Extractor for Tumour Tissue Sampling in Neurosurgery- A technical note at Skullbasecon 2021, AIIMS Jodhpur
4. *There's nothing "Routine" about a Routine Postop CT* — Role of Early Postoperative CT Scan in Elective Cranial Surgeries, presented at NSICON 2021(Virtual)
5. Traumatic pneumorrhachis presenting as compressive myelopathy: a case report presented at Annual Neurotrauma Conference 2022, AIIMS New Delhi
6. Time to change the concepts of seizure prophylaxis for TBI? An institutional experience, presented at Annual Neurotrauma Conference 2022, AIIMS New Delhi
7. A comparative study of Autologous vs Allogenic cranioplasty following post- traumatic decompressive craniectomy, presented at Annual Neurotrauma Conference 2022, AIIMS New Delhi
8. Exploiting Radiology in Neurotrauma for Surgical Planning, presented at Annual Neurotrauma Conference 2022, AIIMS New Delhi

Research Project:

Ongoing:

As Co-Investigator

1. Acute Normovolemic Hemodilution in Intracranial Meningiomas, Arteriovenous Malformations & High Grade Vascular Brain Tumor Surgeries - A Prospective Randomized Controlled Study

2. Morphometry of interhemispheric fissure & corpus callosum and its clinical application
3. ECOG Performance score and socioeconomic status affecting patient satisfaction in patients undergoing cranial surgery – An observation study (Thesis: Co-Guide)
4. Role of telemedicine for follow up after spine surgery (Co-Guide)
5. Pre-operative differentiation of high grade glioma solitary metastases Of Brain By Clinical, Radiological And Hematological Parameters: An Observational Study (Co-Guide)
6. Study of microsurgical anatomy of middle cerebral artery in human cadaveric brain. (Thesis: Co-Guide)

Membership/Post in Journal or Society or Association

1. Invitation for Editorial board member in 'Unique case observations' section of *Surgical Neurology International* Journal

Name of Faculty: Dr. Mohit Agrawal
Designation: Assistant Professor

Books/Chapters: --

1. Agrawal M, Doddamani R, Chandra PS, Samala R, Tripathi M. Post-traumatic Epilepsy and the Role of Anti-epileptics after TBI. In : Sinha S, Yagnick N, Deora H (ed.), Handbook of Neurotrauma Volume 2. Salubris. 2021
2. Borkar SA, Agrawal M, Mahapatra A. Dorsal Spur. In: Mahapatra AK, Borkar SA, Mahapatra S (ed.), Split Cord Malformations. Thieme. 2021, 51-60.
3. Agrawal M, Phalak M, Mahapatra A. Adult Split Cord Malformation. In: Mahapatra AK, Borkar SA, Mahapatra S (ed.), Split Cord Malformations. Thieme. 2021, 89-98.

Papers presented:

1. Primary Yolk sac tumor of Cerebellar Vermis: a case report – NPSICON 2021
2. Impact of covid-19 pandemic and lockdown measures on traumatic brain injury epidemiology in India presented at Neurotrauma 2021 (Virtual)
3. Mucous Extractor for Tumour Tissue Sampling in Neurosurgery- A technical note at Skullbasecon 2021, AIIMS Jodhpur
4. Transcranial Doppler findings in intracranial tumors corelation with clino-radiological changes postoperatively and variation based on location of tumor (skullbase vs supratentorial vs infratentorial) – an observational study at Skullbasecon 2021, AIIMS Jodhpur

National/ International Conferences attended:

1. There's nothing "Routine" about a Routine Postop CT — Role of Early Postoperative CT Scan in Elective Cranial Surgeries, presented at NSICON 2021(Virtual)
2. Non invasive ICP monitoring – Exploring the past to understand the present and shape the future, presented at NSICON 2021 (Virtual)

3. Time to change the concepts of seizure prophylaxis for TBI? An institutional experience, presented at Annual Neurotrauma Conference 2022, AIIMS New Delhi
4. A comparative study of Autologous vs Allogenic cranioplasty following post-traumatic decompressive craniectomy, presented at Annual Neurotrauma Conference 2022, AIIMS New Delhi
5. Reluctance in drilling in neurosurgery; approaches and implications- NSSICON 2022, AIIMS Rishikesh

Name of Faculty: Dr. Raghavendra Kumar Sharma
Designation: Assistant Professor

Award

1. Time to change the concepts of seizure prophylaxis for TBI? An institutional experience, presented at Annual Neurotrauma Conference 2022, AIIMS New Delhi (First Prize in Platform Presentation)

Papers presented

1. Time to change the concepts of seizure prophylaxis for TBI? An institutional experience, presented at Annual Neurotrauma Conference 2022, AIIMS New Delhi (First Prize in Platform Presentation)
2. Impact of covid-19 pandemic and lockdown measures on traumatic brain injury epidemiology in India presented at Neurotrauma 2021 (Virtual)
3. Training Model for Intraoperative Cranial Fixation for Skull base Surgery at Skullbasecon 2021, AIIMS JodhpurMucous Extractor for Tumour Tissue Sampling in Neurosurgery- A technical note at Skullbasecon 2021, AIIMS Jodhpur
4. Transcranial Doppler findings in intracranial tumors corelation with clino-radiological changes postoperatively and variation based on location of tumor (skullbase vs supratentorial vs infratentorial) – an observational study at Skullbasecon 2021, AIIMS Jodhpur
5. There's nothing "Routine" about a Routine Postop CT — Role of Early Postoperative CT Scan in Elective Cranial Surgeries, presented at NSICON 2021(Virtual)
6. A comparative study of Autologous vs Allogenic cranioplasty following post-traumatic decompressive craniectomy, presented at Annual Neurotrauma Conference 2022, AIIMS New Delhi

Department of Nuclear Medicine

S. No.	Name of Faculty	Designation
1.	Dr. Rajesh Kumar	Professor and Head
2.	Dr. Sameer K Taywade	Assistant Professor

About the Department

Department of Nuclear Medicine continued its growth in third year of commencement and further expanded upon the existing facilities.

Patient care: We continued with the ongoing SPECT-CT and PET-CT nuclear scans. We added few more diagnostic procedures and widened our services towards better patient care. In April 2021, we introduced the Liver Blood-pool Scan to diagnose liver haemangioma. We also introduced FDG PET-CT Brain Scan to diagnose various neurological disorders and PET Cardiac scan to assess myocardial viability thereby improving the management of Neurology and Cardiology patients. In July 2021, we introduced Gastric Emptying study to assess gastroparesis, 99mTc-PSMA Scan for the evaluation of Prostate cancer and Direct Radionuclide Cystogram to detect vesicoureteric reflux. In December 2021, we started TRODAT Scan to diagnose Parkinsonism. In February 2022, we introduced Radiosynovectomy, the therapeutic procedure for the treatment of synovitis thereby preventing joint destruction.
We continued to provide OPD consultations and managed the patients of Thyrotoxicosis, Differentiated Thyroid Cancer and those receiving radionuclide therapy for metastatic bone pain palliation. Altogether 288 patients received the OPD consultations during this period. We obtained the regulatory approval for site, layout and construction of High Dose Therapy facility from Atomic Energy Regulatory Board, Mumbai. During this period, the department performed a total of 2929 procedures: SPECT-CT nuclear scans – 1419, Radioiodine I-131 therapy for Thyrotoxicosis – 19, Low dose radioiodine I-131 therapy for Differentiated Thyroid Cancer– 12, Radionuclide bone pain palliation therapy – 8, Radiosynovectomy – 2, Radioiodine Uptake – 53, FDG PET-CT scan for oncology – 1305, PET Scan- Cardiac Metabolism – 63, FDG PET CT brain scan – 48.

Academics: We continued with the postgraduate program (M.D) in Nuclear Medicine with two seats every six months. Currently, we have eight students pursuing the MD program. Department runs a comprehensive academic schedule including regular seminars, journal club, clinical case presentation, image interpretation sessions along with clinical and basic science classes for MD students. Microteaching sessions were regularly conducted for postgraduate students. We organised lecture for post graduate students of Radiation Oncology. We conducted interdepartmental academic meetings with Neurology, Endocrinology and Surgical Gastroenterology departments. Faculty members were actively involved in meetings like Tumor board, Clinical Grand rounds and Clinico-pathology case discussions.

Research activities: We continued with research studies in the form of MD post-graduate theses in the field of oncologic as well as non-oncologic imaging and radionuclide therapy. We collaborated with the superspecialty MCh post-doctoral program of the Surgical Oncology and Urology departments. We submitted interesting case reports and published research paper. We initiated a departmental research project and procured the intramural funding. Faculty delivered invited guest lecture at conference.

Dr. Rakesh Pandey, second year Junior Resident was awarded third place Educational Exhibit Award at 19th Association of Nuclear Medicine Physicians of India, 18th-19th Sept 2021, AIIMS, Bhubaneswar for oral presentation. One postgraduate student made poster presentation at 19th Association of Nuclear Medicine Physicians of India, 18th-19th Sept 2021, AIIMS, Bhubaneswar. Four postgraduate students made poster presentations at the 53rd Annual Conference of Society of Nuclear Medicine, India, 16th-18th Dec 2021, Hyderabad.

Future plans: The department strives to develop further with the following projections: High Dose Therapy ward for the treatment of differentiated thyroid cancer, prostate cancer, neuroectodermal tumor, etc. The drawing layout of the proposed facility has been approved by Atomic Energy Regulatory Board, Department of Atomic Energy, Govt. of India. There is laso a plan for the setting up of Medical Cyclotron Facility at AIIMS Jodhpur.

Compiled list of Publications of the department:

Papers:

PubMed Indexed:

1. Yadav N, Taywade S, Kumar R, Prashanth A, Saxena R. Role of 99mTc sulphur colloid lymphoscintigraphy in a rare case of chylothorax and lymphocele formation post esophageal duplication cyst excision. European Journal of Hybrid Imaging. 2021 Dec;5(1):1-6.
2. Shetty S, Anushree U, Kumar R, Bharati S. Mitochondria-targeted antioxidant, mito-TEMPO mitigates initiation phase of N-Nitrosodiethylamine-induced hepatocarcinogenesis. Mitochondrion. 2021 May 1; 58:123-30.
3. Yadav N, Taywade S, Kumar R, Prashanth A. Unusual case of neuroblastoma with only growth plate metastasis in bilateral lower limbs on metaiodobenzylguanidine scintigraphy. Indian Journal of Nuclear Medicine. 2021 Jul 1;36(3).
4. Anushree U, Shetty S, Kumar R, Bharati S. Adjunctive Diagnostic Methods for Skin Cancer Detection: A Review of Electrical Impedance-Based Techniques. Bioelectromagnetics. 2022 Apr;43(3):193-210.
5. Datta D, Aggarwal D, Balakrishnan S, Varshney VK, Kumar R. Metastasis from Cervical Cancer Presenting as a Pancreatic Head Mass—an Unexpected Diagnosis! Journal of Gastrointestinal Cancer. 2022 Feb 28:1-4.
6. Thokchom AK, Kumar R, Sanjay Bharati V. Quality assessment of Tc-99m methylene diphosphonate (MDP) radiopharmaceutical prepared using different cold kit fractionation methods. Indian Journal of Nuclear Medicine: IJNM: The Official Journal of the Society of Nuclear Medicine, India. 2022 Jan;37(1):7.

Name of Faculty : Dr. Rajesh Kumar
Designation : Professor & Head

Papers Presented: (As Co-author)

1. Dr Rakesh Pandey, Dr Sameer K Taywade, Dr Deepanksha Datta, Dr Rajesh Kumar. Unusual metabolic disease pattern on F18-FDG-PET-CT in lymphoma post chemotherapy: Roads ahead. 19th Association of Nuclear Medicine Physicians of India (ANMPICON) 18th-19th Sept 2021, AIIMS, Bhubaneswar (Virtual)
2. Dr Ravi Chandran, Dr Rajesh Kumar, Dr Sameer K Taywade. Initial experience with Tc-99m Glucoheptonate (GHA) scintigraphy in patients with primary brain tumors and its correlation with post-operative histopathological grades. 19th Association of Nuclear Medicine Physicians of India (ANMPICON) 18th-19th Sept 2021, AIIMS, Bhubaneswar (Virtual)

3. Sachin Shetty, Anushree U, Rajesh Kumar, Sanjay Bharati. Modification Of Chitosan Impressively Heals Dermal Wounds In Diabetic Wistar Rats: Old Turns To Gold. 47th National Conference of Association of Clinical Biochemists of India (ACBICON 2021), College of Medicine & JNM Hospital, WBUHS", Kalyani, Kolkata. 13th-15th Dec 2021. (Virtual)
4. Dr Santhosh Kumar P, Dr Rajesh Kumar, Dr Sameer K Taywade. Neonatal osteomyelitis: Establishing the diagnosis with Bone Scintigraphy. 53rd Annual Conference of Society of Nuclear Medicine, India (SNMICON), 16th-18th Dec 2021 Hyderabad (Virtual)
5. Dr Tanisha Gupta, Dr Sameer Taywade, Dr Deepanksha Datta, Dr Rajesh Kumar. Analysis of spectrum of atypical parathyroid adenoma on Tc-99m Sestamibi SPECT-CT. 53rd Annual Conference of Society of Nuclear Medicine, India (SNMICON), 16th-18th Dec 2021, Hyderabad (Virtual)
6. Dr Rakesh Pandey, Dr Sameer Taywade, Dr Deepanksha Datta, Dr Man Mohan Singh, Dr Rajesh Kumar. Quantitative PET-CT assessment with total lesion glycolysis in evaluation of pancreatic lesion. 53rd Annual Conference of Society of Nuclear Medicine, India (SNMICON), 16th-18th Dec 2021, Hyderabad (Virtual)
7. Dr Ravichandran, Dr Sameer Taywade, Dr Deepanksha Datta, Dr Rajesh Kumar. Patterns of post COVID-19 pulmonary findings on F18-FDG PET-CT in patients with various malignancies. 53rd Annual Conference of Society of Nuclear Medicine, India (SNMICON), 16th-18th Dec 2021, Hyderabad (Virtual)

Invited Lectures:

1. "PET-CT in Neurodisorders", 3rd Annual Conference "Knowledge Forum 2021", 28-29 August 2021, Jodhpur (Virtual)

Resource Faculty:

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.

Research Project:

Ongoing:

As Co-Investigator

1. Intra-individual comparison of diagnostic utility of Tc99m-PSMA and Tc99m-MDP bone scintigraphy in patients with carcinoma prostate, AIIMS Jodhpur (Intramural funded project).

Examinership:

1. Thesis evaluation of MSc. Nuclear Medicine Technology at AIIMS, New Delhi in April 2021.

Membership/Post in Journal / Society / Association:

1. Member of European Society for Hybrid, Molecular and Translational Imaging.
2. Member of European Society for Radiology.

National/ International Conferences attended:

1. 19th Association of Nuclear Medicine Physicians of India (ANMPICON), AIIMS, Bhubaneswar, 18th-19th Sept 2021 (Virtual)

2. 13th Biennial Conference of Nuclear Cardiological Society of India, Nuclear Cardiological Society of India (NSCI), 2nd – 3rd Oct. 2021 (Virtual)
3. CHILI – Conference on Hybrid Imaging Live, European Society for Hybrid, Molecular and Translational Imaging, Vienna, Austria, 29 Oct. 2021 (Virtual)
4. CME- NeuroE-Confluence 2021, Society of Nuclear Medicine India – Southern Chapter, NIMHANS, Bangalore, 31st Oct. 2021 (Virtual)
5. Fundamentals of Radiological Research Course 'Research design', European School of Radiology, 9th Nov. 2021 (Virtual)
6. 16th International Conference on Radiopharmaceutical Therapy (16th ICRT), World Association of Radiopharmaceutical and Molecular Therapy (WARMTH); RGCI New Delhi, India, 4th-5th Dec. 2021 (Virtual)
7. 53rd Annual Conference of Society of Nuclear Medicine, India (SNMICON), Society of Nuclear Medicine, India Hyderabad, 16th-18th Dec 2021 (Virtual)
8. GCP workshop, AIIMS Jodhpur, 15th Jan. 2022 (Virtual)
9. 26th Annual Conference of Society of Nuclear Medicine India – Southern Chapter, Meenakshi Mission Hospital and Research Centre, Madurai, 5th – 6th Feb. 2022 (Virtual)
10. Chest CT – Online Course, European School of Radiology, 8th Feb. 2022 (Virtual)

Name of Faculty : Dr. Sameer K Taywade
Designation : Assistant Professor

Papers Presented: (As a Co-author)

1. Dr Rakesh Pandey, Dr Sameer K Taywade, Dr Deepanksha Datta, Dr Rajesh Kumar. Unusual metabolic disease pattern on F18-FDG-PET-CT in lymphoma post chemotherapy: Roads ahead. 19th Association of Nuclear Medicine Physicians of India (ANMPICON) 18th-19th Sept 2021, AIIMS, Bhubaneswar (Virtual)
2. Dr Ravi Chandran, Dr. Rajesh Kumar, Dr. Sameer K Taywade. Initial experience with Tc-99m Glucoheptonate (GHA) scintigraphy in patients with primary brain tumors and its correlation with post-operative histopathological grades. 19th Association of Nuclear Medicine Physicians of India (ANMPICON) 18th-19th Sept 2021, AIIMS, Bhubaneswar (Virtual)
3. Dr Santhosh Kumar P, Dr Rajesh Kumar, Dr. Sameer K Taywade. Neonatal osteomyelitis: Establishing the diagnosis with Bone Scintigraphy. 53rd Annual Conference of Society of Nuclear Medicine, India (SNMICON), 16th-18th Dec 2021 Hyderabad (Virtual)
4. Dr Tanisha Gupta, Dr Sameer Taywade, Dr Deepanksha Datta, Dr Rajesh Kumar. Analysis of spectrum of atypical parathyroid adenoma on Tc-99m Sestamibi SPECT-CT. 53rd Annual Conference of Society of Nuclear Medicine, India (SNMICON), 16th-18th Dec 2021, Hyderabad (Virtual)
5. Dr Rakesh Pandey, Dr Sameer Taywade, Dr Deepanksha Datta, Dr Man Mohan Singh, Dr Rajesh Kumar. Quantitative PET-CT assessment with total lesion glycolysis in evaluation of pancreatic lesion. 53rd Annual Conference of Society of Nuclear Medicine, India (SNMICON), 16th-18th Dec 2021, Hyderabad (Virtual)
6. Dr Ravichandran, Dr Sameer Taywade, Dr Deepanksha Datta, Dr. Rajesh Kumar. Patterns of post COVID-19 pulmonary findings on F18-FDG PET-CT in patients with various malignancies. 53rd Annual Conference of Society of Nuclear Medicine, India (SNMICON), 16th-18th Dec 2021, Hyderabad (Virtual)

Sessions Chaired:

1. PET-CT in Multiple Myeloma - current challenges and evolving roles,19th Annual conference of Association of Nuclear Medicine Physicians of India (ANMPICON) 18th-19th Sept 2021, AIIMS, Bhubaneswar (Virtual)

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)

Membership/Post in Journal or Society or Association

1. National Life member; Nuclear Cardiological Society of India (NSCI)

National/ International Conferences attended:

1. 19th Association of Nuclear Medicine Physicians of India (ANMPICON), AIIMS, Bhubaneswar, 18th-19th Sept 2021 (Virtual)
2. 53rd Annual Conference of Society of Nuclear Medicine, India SNMICON, Hyderabad, 16th-18th Dec 2021 (Virtual)
3. 13th Biennial Conference of Nuclear Cardiological Society of India. Mumbai, 2-3rd October 2021 (Virtual)
4. Neuro E-Con. SNMI (SC), Bangalore, 31st October2021 (Virtual)
5. International Workshop on Advance Statistical Data Analysis using SPSS Science Tech Institute, Lucknow, 21-27 January 2022 (Virtual)

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	Associate Professor
5	Dr Manu Goyal	Associate Professor
6	Dr Garima Yadav	Associate Professor
7	Dr Meenakshi Gothwal	Associate Professor
8	Dr Priyanka Kathuria	Assistant Professor
9	Dr Manisha Jhirwal	Assistant Professor (Trauma & Emergency)

About the Department:

The Department of Obstetrics & Gynecology has rapidly grown, and now there are nine faculty members, eight Senior Residents and fifteen academic Junior Residents. The department is involved in undergraduate and post graduate teaching, patient care and research.

Teaching: The department is actively involved in undergraduate and post graduate teaching, and teaching of nursing students. Latest and innovative techniques for the teaching are used for the future doctors. Besides didactic lectures newer teaching methods like problem-based learning, small group discussions, unconventional learning methods and simulation based skill training not only makes teaching- learning interesting but also inculcates lifelong learning in students. Regular seminars, journal clubs, case based discussions, perinatal meets and emergency obstetric drills on simulator are held for the post graduate residents to keep them updated with the latest research in the field of obstetrics & gynecology.

Patient care:

OPD: The department is fully functional and has two units for ease of functioning. The number of OPD cases, IPD admissions and labour room admissions have significantly increased. In last year approximately forty thousand gynecological patients and pregnant women were seen in OPD. Screening for cervical cancer is done routinely and last year more than 1600 cervical smears were done

Labour room: There were 1592 deliveries in last year. Many complicated and difficult cases were dealt efficiently like medical problems with pregnancy [heart disease, liver, renal disease, cancers with pregnancy,] genetic problems with pregnancy, surgical problems with pregnancy. Many referred cased were also managed effectively.

OT: Robotic gynecological surgery has been started in the department, and laparoscopic surgery is done routinely; many difficult and advanced procedures are being performed. Major surgeries were 425 and minor surgeries were 1006 in last year.

Research: Faculty members and residents are actively involved in various research activities in the department. 1 international extramural project on adolescent sexual and reproductive health funded by Canada has been started and many intramural projects are being done in the department and faculty members are acting as a co-investigator in few more.

Department has organized virtual CME and workshop in last year.

Future Plans:

The team at department of Obstetrics & Gynecology is committed to establish a fully functional and advanced IVF unit and ground work for the same has been done. We also plan to establish a fetal medicine unit for diagnostic and advanced intrauterine fetal treatment.

Publications:

Pubmed:

1. Agarwal N, Ghuman NK, Singh P, Kathuria P, Banerjee S, Garg PK et al. Postmenopausal bleeding as a late sequela of pelvic fracture. J Mid-Life Health 2021:12:316-8.
2. Ghuman NK, Raikar S, Singh P, Nebhinani N, Kathuria P. In it together: A dyadic approach to assessing the health-related quality of life and depression among infertile couples. Families, Systems, & Health. 2021 Nov 4.
3. Agrawal N, Singh P, Ghuman NK, Sharma C, Yadav G, Gothwal M, Jhirwal M et al. The anatomical measurements of vulva in Indian women: a cross-sectional prospective study. Int J Gynecol Obstet. 2021;00:1–9.
4. COVIDSurg Collaborative, GlobalSurg Collaborative. SARS-CoV-2 infection and venous thromboembolism after surgery: an international prospective cohort study. Anaesthesia. 2021.https://doi.org/10.1111/anae.15563
5. Singh P, Bansal S, Ghuman N, Elhence P. Fetus acardiac amorphous presenting as placental tumor: A rare case and differentiating the two. Journal of Medical Ultrasound. 2021 Oct 1;29(4):281-283.
6. Shekhar S, Singh P, Vishnoi J, Pareek P, Goel M, Goyal S et al. Upfront Debulking Surgery or Delayed Surgery after Neoadjuvant Chemotherapy for Advanced Stage Epithelial Ovarian Cancer: Comparison of Survival From a Tertiary Care Centre. Indian J Cancer 2021(Accepted)
7. Sharma C, Purohit P, Khokhar M, Modi A, Singh P, Shekhar S, et al. A clinical and in-silico study exploring the association of CASP-3, NF-kB, miR-187, and miR-146 in pre-eclampsia. Hypertension in Pregnancy. 2021 Oct 2;40(4):288–302.
8. Gajbhiye R, Montgomery G, Pai MV, Phukan P, Shekhar S et al. Protocol for a case-control study investigating the clinical phenotypes and genetic regulation of endometriosis in Indian women: the ECGRI study. BMJ Open 2021 DOI:http://dx.doi.org/10.1136/bmjopen-2021-050844
9. Jhirwal M, Sharma C, Shekhar S, Singh P, Meena SP. Decreasing the Duration of Point of Decision to Getting Non-stress Test Done: A Quality Improvement Study. J Obstet Gynecol India [Internet]. 2021 Oct 2 [cited 2022 Apr 1) Doi: 10.1007/s13224-021-01551-5.
10. Patwa P, Sharma C, Shekhar S, Jhirwal M. Bilateral Fetal Hydronephrosis presenting with Complete Penoscrotal Transposition at Birth: What to tell the prospective parents. J Fetal Medicine 2021Nov. DOI:10.4274/tjod.88262
11. Singh P, Sharma C, Krishna S, Mishra V, Yadav G, Patwa P, et al. Lifestyle and Prevalence of Menstrual Disorders among Undergraduate Medical and Nursing Students: Can We Bring a Change? J Obstet Gynecol India (2022).
12. Yadav A, Baghel J, Kamath A, Mundle S, Sharma C, Prakash A, Rawat R. The socioeconomic apprehensions of a pregnant woman around COVID-19 - Do we need to be worried? J Family Med Prim Care. 2022 Mar;11(3):963-968.
13. Jhirwal M, Singh P, Singh K, Sharma C. Experience and learning of interns posted in department of Obstetrics & Gynecology in western India. Taiwan J Obstet Gynecol. 2022;61(1)186. https://doi.org/10.1016/j.tjog.2021.11.033

14. Gothwal M, Singh P, Sharma C. Anterior placenta - Does location matter in amniocentesis? Taiwan J Obstet Gynecol. 2022;61(1)187.
15. Yadav A, Prakash A, Sharma C, Saha MK, Yadav S, Baghel J, Kamath A. Maternal Mortality in the Remote Islands of India-Unraveling the Conundrum. J Family Med Prim Care. 2022 Feb;11(2):733-738.
16. Mishra V, Pandey H, Shekhar S, Sharma C. Incidentally diagnosed type 2 youssef's syndrome with migrated post cesarean postpartum intrauterine contraceptive device. Gynecol Minim Invasive Ther. 2022; Feb 14;11(1):67-69.
17. Bharti S, Khera S, Sharma C, Balakrishnan A. Unilateral primary ovarian leiomyoma masqueraded as ovarian fibroma: A histopathological diagnosis. J Family Med Prim Care 2021;10:3494-7.
18. Sharma C, Jhirwal M, Shekhar S, Singh P. Prenatal evaluation of cystic hygroma- is there a need to revise the protocol? Taiwan J Obstet Gynecol. 2021 May;60(3):581.
19. Sharma C, Saini A, Gothwal M, Jhirwal M, Patwa P. Mitochondrial Fission Factor Gene Mutation: A Dilemma for Prenatal Diagnosis. Int J Appl Basic Med Res. 2021 Apr-Jun;11(2):114-116.
20. Gupta, S, Jhirwal M, Sharma C, Shekhar S. A Rare Case of Gestational Choriocarcinoma with Lung and Vaginal Metastases with Obstructive Jaundice. J Obstet Gynecol India (2021). https://doi.org/10.1007/s13224-021-01490-1
21. Yadav A, Kamath A, Mundle S, Baghel J, Sharma C, Prakash A. Exploring the perspective of nursing staff or caregivers on birthing positions in Central India. J Family Med Prim Care. 2021 Mar;10(3):1149-1154
22. Yadav G, Rao M, Singh P et al. Detection of nerve fibers in the eutopic endometrium of women with endometriosis, uterine fibroids and adenomyosis.Obstetrics and Gynecology Science. June 2021;doi.org/10.5468/ogs.21114. 64(5):454-461.
23. Singh P, Gothwal M, Pradhan HK, Yadav G et al. Skin preparation for prevention of surgical site infection after obstetrics and gynecological abdominal surgery: A quality improvement project. J Obstet Gynecol Res. 2021. Doi: 10.1111/jog.15137. PMID: 34942679.
24. Jain M, Singh P, Shekhar S, Yadav G et al. High grade lesions of the cervix: which score to score?. BJOG. 2021.128(JUN):65-66.
25. Bhati M, Gothwal M, Singh P, Yadav G et al. 46 XY ovotesticular disorder: A rare case report with review of literature. GMIT.2021.10(3):171-173.
26. Yadav G, Agarwal I, Nalwa A, Sureka B. Inhibin B secreting ovarian fibroma. JOGI.2022.doi.org/10.1007/s13224-021-01601-y.
27. Singh P, Sharma C, Krishna S, Mishra V, Yadav G et al. Lifestyle and prevalence of menstrual disorders among undergraduate medical and nursing students: Can we bring a change? JOGI. 2022. doi.org/10.1007/s13224-021-01606-7.
28. Devkare V, Gothwal M. Successful laparoscopic myomectomy in giant myoma. International Journal of Applied and Basic Medical Research. 2021 Apr 1;11(2):108.
29. Yadav G, Singh P, Saini A, Rao M, Kathuria P, Gothwal M. Clinical Spectrum of Gestational Trophoblastic Disease in a Tertiary Care Centre: A Retrospective Analysis. Oncol Case Report J. 2021; 4 (3).;1040.
30. Mittal T, Thirunavukkarasu B, Kathuria P, Verma M. Cervical deciduosis: precarious mimicker of malignancy during pregnancy Int J Gynecol Cancer. ijgc-2021-003257.R1 Accept (22-Dec-2021)
31. Saraf P, Thirunavukkarasu B, Kathuria P, Solanki V. Lipoleiomyoma: incidental finding in a postmenopausal woman. International Journal of Gynecological Cancer. 2021 Jul 1;31(7):1092-4.

32. Goyal M, Singh P, Singh K, Shekhar S, Agrawal N, Misra S. The effect of the COVID-19 pandemic on maternal health due to delay in seeking health care: Experience from a tertiary centre. International Journal of Gynecology and Obstetrics. 2021 ;152: 231-235.
33. Mathew PS, Shekhar S, Jhirwal M, Goyal M, Singh P, Sharma C. Barbed versus polyglactin sutures for laparoscopic closure of vaginal vault after total laparoscopic hysterectomy: A Prospective observational comparison. Journal of Gynecologic Surgery. 2021; 27(5).
34. Bansal S, Goyal M, Sharma C, Shekhar S. Letrozole versus clomiphene citrate for ovulation induction in anovulatory women with PCOS: A randomized controlled trial. International Journal of Gynecology and Obstetrics. 2021; 152: 345-350.
35. Goyal M, Shehata A, Shereen E, Ahmed A, Singh P, Melana N, Singh S. Cesarean myomectomy in the last ten years; A true shift from contraindication to indication: A systematic review and meta-analysis. European Journal of Obstetrics & Gynecology and Reproductive Biology 2021; 256:145-157.
36. Shekhar S, Goyal S, Goyal M, Sharma C, Jhirwal M. Medium-Term Anatomical and Functional Results of Isolated Laparoscopic Sacrocolpopexy for Female Pelvic Organ Prolapse during the Early Learning Curve. Journal of Obstetrics and Gynecology of India: 2021; 71: 91-94.
37. Yadav N, Vyas H, Mamta, Goyal M. Effectiveness of prenatal lactation counselling on breastfeeding practices, breast engorgement and newborn feeding behaviour among postnatal mothers at a teaching institution.J Family Med Prim Care. 2022;11:1146-51.
38. Goyal M, Agrawal N, Singh P, Shafaq. Pregnancy with active Takayasu's arteritis: A medical challenge. Journal of Gynecological Research & Obstetrics 2021; 6: 81-83
39. Goyal M, Singh P, Aparajita. Fetal procedures during COVID-19 pandemic: Challenges in a newly developing centre. Journal of Obstetrics Gynecoloy and Reproductive Sciences. 2021; doi:10.31579/2578-8965/064

Non-Pubmed:

1. Jhirwal M, Sharma C, Shekhar S, Tak A, Elhance P. Syphilis in pregnancy: The menace continues to haunt. IJOGR. 2021 Aug 28;8(3):434–6. DOI:https://doi.org/10.18231/j.ijogr.2021.091
2. Singh P, Pipal VR, Pipal DK, Ghuman NK, Yadav G, Gothwal M. Pregnancy outcome in isolated oligohydramnios diagnosed in third trimester. International Journal of Reproduction, Contraception, Obstetrics and Gynecology.;10(5):1915
3. Shet S, Patwa P, Sharma C, Jhirwal M. Experiences of a Postgraduate Resident during COVID-19: The Trials and Tribulations in the Unique Setting of Obstetrics and Gynaecology. Journal of Clinical & Diagnostic Research. 2021 Jun 1;15(6).
4. Jhirwal M, Sharma C, Shekhar S, Meena SP. Smartphone: an asset in medical education and health care in the era of COVID-19 pandemic-our perspective. Int J Community Med Public Health 2021;8:4144-6.
5. Kansara M, Gothwal M, Yadav G, Singh P, Kathuria P. Mullerian anomalies showing variety of clinical scenarios: case series. Global J Gynecol Obstet Res.2022;1(1):1-6
6. Saini A, Goyal M, Singh P. Uteroplacental apoplexy: An entity still not shelved in modern Obstetrics. Journal of Paediatrics Obstetrics & Gynecology. 2021;12 (6): 169-171.
7. Khushboo, Goyal M, Singh P. Hyperprolactinemia: A review article. Journal of Paediatrics Obstetrics & Gynecology. 2022; 13(1): 13-17.

Name of Faculty: Dr Pratibha Singh
Designation: Professor & Head

Papers Presented

1. Patient Centered Prenatal Genetic Counselling- Are Obstetricians alligned enough? at 6th Annual International Conference "Genomics and Genetic Counseling: Value in Health Care" Organized by the Board of Genetic Counseling India from 2nd - 4th July 2021.
2. Immunohistochemistry as an ancillary aid in differentiating Endometrial from Cervical Adenocarcinoma at 17th World Conference for Cervical Pathology and Colposcopy organized by IFCPC India 2021 from 1st -5th July.
3. Ultrasonographic Soft Markers of Aneuploidy in Second Trimester: Are We Lost? Poster Presentation at 6th Annual International Conference "Genomics and Genetic Counseling: Value in Health Care" Organised by the Board of Genetic Counseling India from 2nd - 4th July2021.
4. Absent /hypoplastic nasal bone: Down's syndrome or beyond!!! E-Poster at 6th Annual International Conference "Genomics and Genetic Counseling: Value in Health Care" Organised by the Board of Genetic Counseling India from 2nd - 4th July2021.
5. A Randomized Control Trial Comparing Early Versus Delayed Removal of Urinary Catheter after Laparoscopic Hysterectomy. E-Poster at AICC RCOG 2021 on 29th September 2021.
6. Prenatal Diagnosis of Non-Immune Hydrops Fetalis & their Perinatal Outcome.
7. High Grade lesions of Cervix – Which Score to Score RCOG Virtual World Congress 2021
8. In It together: A Dyadic approach to assessing the health-related Quality of Life and Depression among infertile couples-37th virtual Annual Meeting of the European Society of Human Reproduction and Embryology from 26 June to 1 July 2021
9. Incidence, causes and correlates of obstetric emergencies requiring critical care unit admission during COVID 19 pandemic. XVI National Conference of Nepal Society of Obstetricians and Gynecologists. 30th March – 3rd April 2022. Kathmandu. Nepal
10. Expression of Programmed death Ligand-1 and MMR status in endometrial carcinomas. 33rd congress of the European society of Pathology. 29th -31st August,2021. Gothenburg (Virtual)

Sessions Chaired:

1. Web-CME on 'Changing treatment landscape in the management of Ovarian cancer on 27.5.2021, organized by SMDK foundation and Rajasthan chapter of AGOI
2. PICSEP webinar, organized by FOGSI and Bikaner OBG society on 31.7.2021 session'Role of guide in Thesis and Topic selection
3. ISOPARB midterm conference- a hybrid conference at Gorakhpur on 1.11.2021, session on vontroversie in modern obstetrics
4. Rajasthan knowledge café organized by FOGSI and JOGOS on 19.11.2021 , session on PCOS newer version to an old problem
5. chaired session on 'Optimising the rates of Caesarean section' virtual conference organized by AIIMS Bibinagar on 14.12.2021
6. chaired session on Endometriosis in a CME organized by AIIMS Raipur, 12.3.2022

Invited Lectures :

1. Lecture on 'The unwanted connection- genitourinary fistula" on 22.6.2021 at webinar organized by happy learning webinar series

2. Lecture on ‘Surgical management of PPH” in a virtual CME on Obstetric Hemorrhage organized by AIIMS Bhatinda and Bhatinda OBG society

Resource Faculty:

1. Panel moderator on CIN, in web CME organized by ISCCP on 14.3.2022
2. Panelist for panel on ‘Pregnancy induced hypertension’ organized by Bikaner OBG society 29.5.2021
3. Panelist in panel on “Learning with experience n PPH”, organized by FOGSi-food and drug committee on 29.11.2021
4. Panelist on ‘Case based management’ in a Virtual CME organized by Rajasthan AGOI on 19.12.2021

Research Projects:

Ongoing:

As Principal Investigator

1. Monitoring Labour with AI-based software for prediction of fetal distress-a validation study
2. Domestic violence on women during COVID-19- Extramural, in collaboration with AIIMS Delhi

As Co-Investigator

1. Study of Procedures Related Complications of IUT and Cordocentesis at Tertiary Centre
2. COVID-19 Vaccinations in Pregnancy: the COVIP study. ICMR
3. An Observational Study of the Prevalence of Vit. D deficiency in Pregnant Indian Females and its association with GDM
4. Maternal and neonatal outcome and multidisciplinary management of Placenta Accreta Spectrum (PAS) within a single tertiary centre
5. Comparison and assessment of performance of PREP-S, PIER-L, full PIERS and miniPIERS risk prediction models in patients of preeclampsia for predicting adverse maternal and fetal outcomes.
6. Comparison of Cervico-vaginal microflora in infertile vs asymptomatic healthy parous women- A case control study (intramural)
7. Prenatal diagnosis of Non-immune Hydrops Fetalis and their perinatal outcome- single centre experience.
8. Cervical Bacterial colonization in preterm premature rupture of membranes and its effect on feto-maternal outcomes
9. Correlation of maternal and fetal serum ‘Orexin A’level with insulin resistance in GDM patients (Intramural)
10. Effect of Intrauterine Instillation of Hyaluronic Acid Rich Media on Clinical Outcomes of Intrauterine Insemination Treatment: A Randomized Control Trial
11. Impact of chemotherapy on ovarian reserve in females of reproductive age group
12. To evaluate the accuracy of hysterosalpingography (HSG) in predicting tubal blockage in infertile patients.
13. 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 fertility status.
14. 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

15. 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.
16. Level of complacency on both ends in a telemedicine clinic
17. Maternal and neonatal outcome and multidisciplinary management of Placenta Accreta Spectrum (PAS) within a single tertiary centre.
18. Prenatal diagnosis of Non-immune Hydrops Fetalis and their perinatal outcome- single centre experience.

Completed:

As Co-Investigator

1. Digital droplet PCR technique- an alternative testing method for detection of chromosomal aneuploidies by invasive and non-invasive prenatal testing- under AIIMS -DBT NIDAN Kendra.
2. Laparoscopic Neo-Vaginoplasty: Single Centre Experience
3. Cervical Bacterial colonization in preterm premature rupture of membranes and its effect on feto-maternal outcomes.
4. Impact of COVID -19 Pandemic on Obstetrics and Gynecology residency training program in India-A National Online survey.
5. 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.
6. Screening for Sickle cell anemia and other hemoglobinopathies in newborns, pregnant women (ANC) and family members in Rajasthan.
7. Retrospective Analysis of outcomes of Primary versus Interval debulking surgery in cases of advanced EOC
8. Understanding and awareness about COVID 19 in pregnant women: A questionnaire based study (completed and accepted for publication)
9. Maternal and perinatal outcome in intra-hepatic cholestasis of pregnancy.
10. Decreasing the duration of point of decision to getting NST done: A Quality Improvement Project Completed and published.
11. Clinico-radio-pathological spectrum of ovarian and uterine malignancies at AIIMS, Jodhpur: our experience
12. In it together: A dyadic approach to assessing the health-related quality of life and depression among infertile couples.
13. Interobserver and Interobserver variability in CTG interpretations– A hospital based Prospective Observational study
14. Inter and Intra-observer agreement on Hysterosalpingography (HSG)-A prospective study
15. Comparison of Pain score between Foley's catheter and Leichwilkinson cannula in Hysterosalphingography by Numerical rating scale-A retrospective study

Examinerships:

1. MBBS Examiner for AIIMS Rishikesh Dec 2021
2. MD examiner for SPMC Bikaner
3. MS examiner for JLNMC Ajmer
4. MS examiner for GMC Aurangabad
5. MS exam for NEIGRIMS Shillong
6. Thesis examiner for – JIPMER Pondicherry, AIIMS Rishikesh, DNB-OBG, PGI-Chandigarh

Membership/ Post in Journal or Society or Association :

1. Executive member of Indian Society of Colposcopy and cervical pathology
2. Founder secretory of Rajasthan chapter of AGOI
3. Member of Jodhpur Obstetrics & Gynecology Society - FOGSI
4. Reviewer for BMJ case reports
5. Reviewer for Obstetrics & Gynaecology [Taylor & Francis]
6. Reviewer for Journal of South-Asian federation of Obstetrics & Gynecology
7. Reviewer for Annals of Medical Sciences

National/ International Conferences attended:

1. ISOPARB midterm conference Nov 2021 [virtual]
2. CME on Endometriosis by AIIMS Raipur [virtual]
3. CME on Rising cesarean section organized by AIIMS Bibinagar [virtual]

Workshops/ Conferences Organized:

1. VIA workshop for medical officers at AIIMS Jodhpur
2. "What's new in ART' webinar at AIIMS Jodhpur

Any other information:

1. Invited twice as expert by 'Doordarshan' and once by MyFM in a program on COVID-19 infection in pregnancy and newborn, and COVID-19 and breast feeding.

Name of Faculty: Shashank Shekhar
Designation: Additional Professor

Papers Presented

1. Patient Centered Prenatal Genetic Counselling- Are Obstetricians alligned enough? at 6th Annual International Conference "Genomics and Genetic Counseling: Value in Health Care" Organized by the Board of Genetic Counseling India from 2nd - 4th July 2021.
2. Immunohistochemistry as an ancillary aid in differentiating Endometrial from Cervical Adenocarcinoma at 17th World Conference for Cervical Pathology and Colposcopy organized by IFCPC India 2021 from 1st -5th July.
3. Ultrasonographic Soft Markers of Aneuploidy in Second Trimester: Are We Lost? Poster Presentation at 6th Annual International Conference "Genomics and Genetic Counseling: Value in Health Care" Organised by the Board of Genetic Counseling India from 2nd - 4th July2021.
4. Absent /hypoplastic nasal bone: Down's syndrome or beyond!!! E-Poster at 6th Annual International Conference "Genomics and Genetic Counseling: Value in Health Care" Organised by the Board of Genetic Counseling India from 2nd - 4th July2021.
5. A Randomized Control Trial Comparing Early Versus Delayed Removal of Urinary Catheter after Laparoscopic Hysterectomy. E-Poster at AICC RCOG 2021 on 29th September 2021.
6. Prenatal Diagnosis of Non-Immune Hydrops Fetalis & their Perinatal Outcome. (Oral Presentation) at AICC RCOG 2021 on 2nd October 2021.
7. Dural Venous Sinus Thrombosis in a Fetus - What to counsel the prospective parents. E-Poster at AICC RCOG 2021 on 29th September 2021.
8. High Grade lesions of Cervix – Which Score to Score RCOG Virtual World Congress 2021

Invited Lectures

1. Online Lecture on “Contraception” on 31st July 2021 as part of e-CME.

Research Projects:

Ongoing:

As Principal Investigator

1. Circulating Micro RNA-125b as A Diagnostic and Prognostic Biomarker in Epithelial Ovarian Cancer. (intramural)
2. Clinical Phenotypes and Genetic Regulation of Endometriosis in Indian Women (extramural)
3. Laparoscopic Neo-Vaginoplasty: Single Centre Experience (non-funded)

As Co-Investigator

1. Study of Procedures Related Complications of IUT and Cordocentesis at Tertiary Centre
2. An Observational Study of the Prevalence of Vit. D deficiency in Pregnant Indian Females and its association with GDM
3. Maternal and neonatal outcome and multidisciplinary management of Placenta Accreta Spectrum (PAS) within a single tertiary centre
4. Comparison and assessment of performance of PREP-S, PIER-L, full PIERS and miniPIERS risk prediction models in patients of preeclampsia for predicting adverse maternal and fetal outcomes.
5. Comparison of Cervico-vaginal microflora in infertile vs asymptomatic healthy parous women- A case control study (intramural)
6. Prenatal diagnosis of Non-immune Hydrops Fetalis and their perinatal outcome- single centre experience.
7. Cervical Bacterial colonization in preterm premature rupture of membranes and its effect on feto-maternal outcomes
8. Correlation of maternal and fetal serum ‘Orexin A’level with insulin resistance in GDM patients (Intramural)

Completed:

As Principal Investigator

1. Retrospective Analysis of outcomes of Primary versus Interval debulking surgery in cases of advanced EOC
2. Surgical and Pathologic outcomes of Laparoscopic Pelvic Lymph Node Dissection for Female Genital Tract Malignancies (non-funded)

As Co-Investigator

1. Understanding and awareness about COVID 19 in pregnant women: A questionnaire based study
2. Maternal and perinatal outcome in intra-hepatic cholestasis of pregnancy.
3. Decreasing the duration of point of decision to getting NST done: A Quality Improvement Project
4. Utility of fallopian tube brush cytology as a screening tool for epithelial ovarian cancers in women undergoing Gynecological surgeries for benign and malignant conditions
5. Clinico-radio-pathological spectrum of ovarian and uterine malignancies at AIIMS, Jodhpur: our experience

Examinerships:

1. MBBS Examiner at AIIMS Bhubaneshwar (Dec 21)

Membership/ Post in Journal or Society or Association :

1. Member of Royal College of Obstetrics & Gynecology

Any other information:

1. Passed the MRCOG Exam

Name of Faculty: Dr Navdeep Kaur Ghuman
Designation: Additional Professor

Papers Presented:

1. Ghuman NK, Raikar S, Singh P, Kathuria P, Nebhinani N. In It together: A Dyadic approach to assessing the health-related Quality of Life and Depression among infertile couples-37th virtual Annual Meeting of the European Society of Human Reproduction and Embryology from 26 June to 1 July 2021

Sessions Chaired:

1. Session Chairperson, Psychological dimensions of cancer in adolescents and children, Virtual CME-Fertility Preservation in Children & Adolescent Cancers "Life beyond Cancers" AIIMS New-Delhi, 12th February 2022 [Online]

Invited Lectures

1. Tackling anaemia in Pregnancy, Postgraduate Master Class Series in Clinical Obstetrics, 25th June 2021, AIIMS Bhubaneshwar,
2. Role of Anti-D, CME Rh-Negative Pregnancy, 1st October 2021, Jodhpur.
3. Carbetocin: is it a paradigm shift for PPH prevention, COGI 2.0, 25th November 2021, Virual CME

Resource Faculty:

1. Demystifying Male Infertility, IFS-SIG Andrology CME, 28th November 2021, Jaipur

Research Project:

Ongoing:

As Principal Investigator

1. The Effectiveness Of Self-measured Symphysis Fundal Height As Screening Tool For Diagnosing Small For Gestational Age Fetuses
2. Effect of Intrauterine Instillation of Hyaluronic Acid Rich Media on Clinical Outcomes of Intrauterine Insemination Treatment: A Randomized Control Trial
3. Comparison and assessment of 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. Impact of chemotherapy on ovarian reserve in females of reproductive age group

5. To evaluate the accuracy of hysterosalpingography (HSG) in predicting tubal blockage in infertile patients.
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 fertility status.
7. Predictors of ovarian function reserve in premenopausal patients with breast cancer-Prospective study.

As Co-Investigator

1. Monitoring Labour with AI-based software for prediction of fetal distress-a validation study
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. Incidence, causes and correlates of obstetric emergencies requiring CCU admission in COVID-19 pandemic
4. Effect of Prophylactic Addition of Intrauterine Misoprostol to the Standard Oxytocin Versus Standard Oxytocin alone for Prevention of Primary PPH:A Randomised Control Trial
5. Effect of Intravenous Tranexamic acid in addition to active management of third stage of labour on postpartum blood loss in vaginal delivery: A double blinded randomized controlled trial
6. Prevalence of Group B Streptococcus Colonization and Its Antibiotic Susceptibility Pattern Amongst Pregnant Women Near Term
7. Prevalence and Spectrum of Major Structural anomalies in fetuses and neonatal at AIIMS, Jodhpur: Understanding the Risk Factors
8. Knowledge, attitude and awareness regarding fertility among women attending infertility OPD of AIIMS Jodhpur.
9. 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.
10. Level of complacency on both ends in a telemedicine clinic

Completed:

As Principal Investigator

1. In it together: A dyadic approach to assessing the health-related quality of life and depression among infertile couples.
2. Interobserver and Interobserver variability in CTG interpretations– A hospital based Prospective Observational study
3. Inter and Intra-observer agreement on Hysterosalpingography (HSG)-A prospective study
4. Comparison of Pain score between Foley's catheter and Leichwilkinson cannula in Hysterosalphingography by Numerical rating scale-A retrospective study

As Co-Investigator

1. The anatomical measurements of vulva in Indian women: a cross-sectional prospective study
2. COVIDSurg Collaborative-Multicentric global trial, multiple publications
3. Impact of early versus late initiation of oral intake in postoperative period following any major benign gynecological procedure and cesarean section
4. Correlation of intrapartum Cardiotocography with paired umbilical cord blood analysis to establish its effectiveness in predicting fetal acidosis following term deliveries

5. Spectrum of thyroid disorder in low-risk singleton pregnancy and its effect on maternal and fetal outcome-A prospective Cohort Study

Examinership

1. Postgraduate Thesis evaluation, SN Medical College, Jodhpur, 9-04-2021 &10-04-2021
2. MBBS Final Practical examination, SN Medical College, Jodhpur, 17-4-21 to 19-04-21
3. Examiner Observer for 4th Professional MBBS Supplementary Examination 2022, AIIMS Bhubaneswar
4. MBBS Third Prof, Part-II Annual Practical Examination, Kalpana Chawla Medical College, Karnal, 23-03-22 to 26-03-22

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)

National/ International Conferences attended:

1. The Best of ASRM and ESHRE", from 8 to 10 April 2021 [Online]
2. ESHRE Virtual 37th Annual meeting, from 26 June to 1 July 2021 [Online]
3. National workshop on Multivariate Analysis & Graphics with R Software, June 14-18, 2021 organized by Science Tech Institute, Lucknow, Uttar Pradesh [Online]
4. AIIMS Workshop on systemic review, 18th Jan 2022, AIIMS Delhi

Name of Faculty: Dr Charu Sharma
Designation: Associate Professor

Books/Chapters:

1. Thanigainathan S, Kumar C, Sharma C. Birth Trauma In: NNF Clinical Protocols in Perinatology, Ashish Jain, Ballambattu V B, 1st ed, New Delhi: Jaypee Brothers Medical Publishers (P) Ltd., 2022.p:348.
2. Sharma C, Gothwal M. Patient Blood Management in Obstetrics- In ebook on Patient Blood Management inaugurated by Director, AIIMS Jodhpur in association with NHM on 29th March 2022.

Papers Presented:

1. Sharma C, Vyas V, Singh K, Shekhar S, Singh P. Patient Centered Prenatal Genetic Counselling- Are Obstetricians alligned enough? at 6th Annual International Conference “Genomics and Genetic Counseling: Value in Health Care” Organized by the Board of Genetic Counseling India, ONLINE, from 2nd - 4th July 2021.
2. Sharma C, Vishwajeet V, Shekhar S, Singh P. Immunohistochemistry as an ancillary aid in differentiating Endometrial from Cervical Adenocarcinoma. at 17th World Conference for Cervical Pathology and Colposcopy organized by IFCPC India 2021 from 1st -5th July.
3. Das S, Sharma C, Yadav T, Singh K, Shekhar S, Singh P. Ultrasonographic Soft Markers of Aneuploidy in Second Trimester: Are We Lost? Poster Presentation at 6th Annual International Conference “Genomics and Genetic Counseling: Value in Health Care” Organised by the Board of Genetic Counseling India, ONLINE, from 2nd - 4th July 2021.

4. Dubey K, Sharma C, Singh P, Shekhar S. Absent /hypoplastic nasal bone: Down's syndrome or beyond!!! E-Poster at 6th Annual International Conference "Genomics and Genetic Counseling: Value in Health Care" Organized by the Board of Genetic Counseling India, ONLINE, from 2nd - 4th July 2021.
5. Choudhary D, Sharma C, Choudhary SK, Bhandari S, Singh P. Non-Immune Hydrops Fetalis – Easiest to diagnose; most difficult to evaluate & manage. E-Poster at 34th AICC RCOG 2021 organised by Royal College of Obstetricians and Gynecologists, ONLINE, on 29th September 2021.
6. Shet S, Sharma C, Shekhar S, Singh P, Gothwal M. A Randomized Control Trial Comparing Early Versus Delayed Removal of Urinary Catheter after Laparoscopic Hysterectomy. E-Poster at 34th AICC RCOG 2021 organised by Royal College of Obstetricians and Gynecologists, ONLINE, on 29th September 2021.
7. Sharma T, Gothwal M, Sharma C, Singh P, Yadav G. Local Anaesthesia and Pain Perception during Amniocentesis - A Randomised Double Blind Placebo Controlled Trial. E Poster at 34th AICC RCOG 2021, organised by Royal College of Obstetricians and Gynecologists, ONLINE, on 29th September 2021.
8. Das S, Sharma C, Gothwal M, Shekhar S, Singh P. Prenatal Diagnosis of Non-Immune Hydrops Fetalis & their Perinatal Outcome. Oral Presentation at 34th AICC RCOG 2021 organised by Royal College of Obstetricians and Gynecologists, ONLINE, on 2nd October 2021.
9. Agarwal N, Sharma C, Shekhar S, Yadav T, Goyal P. Dural Venous Sinus Thrombosis in a Fetus - What to counsel the prospective parents. E-Poster at 34th AICC RCOG 2021, organised by Royal College of Obstetricians and Gynecologists, ONLINE, on 29th September 2021.

Invited Lectures:

Panel Discussion:

1. Prenatal Fetal Diagnosis: 8th Genetics web series. Organized by Society of Fetal Medicine (Moderated by Dr. Shubha Phadke), Online, on 19th Aug. 2021.
2. A to Z of Thyroid Disorders- on Pregnancy with Thyroid disease Organized by Association of Obstetricians and Gynecologist of Delhi (AOGD), Online, on 20th August 2021.
3. Urogenital Injuries in Obs Gyne Practice, Organized by Happy Learning Master Class Webinar series in association with Kota, Jodhpur, Bikaner, Ajmer and Udaipur Societies, ONLINE, on 22nd June 2021.

As Speaker:

1. Management of Post -Partum Hemorrhage - Do's & Don'ts. -At State Level Workshop- Clinician's Training on Blood Safety Starts with Patient Blood Management in collaboration with Rajasthan State AIDS Control Society (RSACS, RSBTC) at AIIMS Jodhpur on 28th March 2022.
2. Sickle cell anemia: Pre-conceptional Counseling and Management in Pregnancy. At Sickle cell disease workshop by Ministry of Tribal Affairs –Health Cell; In Association with AIIMS Jodhpur, Rajasthan on 23rd Nov 2021
3. Sexually Transmitted Infections in Cervical Screening at Workshop for Medical Officers- on Visual Inspection of Cervix on application of Acetic Acid in association with school of public health, at AIIMS Jodhpur (Lecture on)- 24th and 25th Feb 2022.

Symposium Speaker –

1. "Psychosocial factors contributing to Pregnancy specific anxiety: Implication for intervention" authored by "Dr. Pratibha Gehlawat; Dr. Tanu Gupta, Dr. Charu Sharma" at WASP Asia Pacific Hybrid Congress, 2021, online on 17th September 2021.

2. Social outreach programme- On World Down Syndrome Day- Public Awareness Lecture on Screening for Aneuploidies with the Parents of Children with Down Syndrome- 21st March 2022 at AIIMS Jodhpur. [Online]

Ongoing Research Project:

As Principal Investigator

1. Comparison of Cervico-vaginal microflora in infertile vs asymptomatic healthy parous women- A case control study. Intramural-Funding Agency AIIMS Jodhpur.
2. Maternal and neonatal outcome and multidisciplinary management of Placenta Accreta Spectrum (PAS) within a single tertiary centre.
3. Prenatal diagnosis of Non-immune Hydrops Fetalis and their perinatal outcome- single centre experience.

As Co-Investigator

1. Establishment of DBT-NIDAN-Kendra at Rajasthan-AIIMS, Jodhpur. (Funding Agency- Department of Biotechnology-DBT.
2. Monitoring labour with AI based software for prediction of fetal distress: A validation Study
3. Correlation of maternal and fetal serum 'Orexin A'level with insulin resistance in GDM patients. Intramural Project, Funded by AIIMS Jodhpur
4. 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, Funded by AIIMS Jodhpur.
5. Circulating Micro RNA-125b-as Diagnostic and Prognostic Biomarker in Epithelial Ovarian Cancer, Intramural Project, Funded by AIIMS Jodhpur
6. Expression and association of Micro RNAs (miRNA-424 and miRNA-519d) in pregnancies complicated by Fetal Growth restriction via KLF6 and MT1-MMP (MMP-14) pathways. Intramural, Funded By AIIMS Jodhpur
7. Profile and treatment outcome of patients presenting with urethritis at AIIMS, Jodhpur: A prospective study. Intramural Project, Funded by AIIMS Jodhpur
8. Digital droplet PCR technique- an alternative testing method for detection of chromosomal aneuploidies by invasive and non-invasive prenatal testing- under AIIMS -DBT NIDAN Kendra.
9. Evaluation of common beta-thalasemia mutations in prenatal genetic testing of at-risk couples; Under NIDAN Kendra AIIMS Jodhpur.
10. Screening and Diagnosis of Spinal Muscular Atrophy using Droplet Digital PCR.
11. Comparison and assessment of performance of PREP-S, PIER-L, full PIERS and miniPIERS risk prediction models in patients of preeclampsia for predicting adverse maternal and fetal outcomes.
12. Laparoscopic Neo-Vaginoplasty: Single Centre Experience
13. Surgical and Pathologic outcomes of Laparoscopic Pelvic Lymph Node Dissection for Female Genital Tract Malignancies.
14. Cervical Bacterial colonization in preterm premature rupture of membranes and its effect on feto-maternal outcomes.
15. Impact of COVID -19 Pandemic on Obstetrics and Gynecology residency training program in India-A National Online survey.
16. Prevalence of thalassemia and hemoglobinopathy in Western Rajasthan, India.
17. 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.

18. Screening for Sickle cell anemia and other hemoglobinopathies in newborns, pregnant women (ANC) and family members in Rajasthan.

Examinership

1. External Examiner- 3rd Prof. MBBS, SN medical College Jodhpur, 17th to 19th April 2021.
2. External Examiner- 3rd Prof. MBBS Supplementary batch exam, SN medical College Jodhpur, 27th August 2021

Membership/Post in Journal or Society or Association

1. Appointed as the Joint Secretary Rajasthan state Chapter of Society of Fetal Medicine for 2 years April 2022- March 2024.
2. Reviewer for the Journal- BMJ case Reports.
3. Reviewer for Journal of Obstetrics & Gynecology (Taylor and Francis)
4. Reviewer for American Journal of Obstetrics and Gynecology- Global Reports
5. Reviewer for Annals of National Academy of Medical Sciences
6. Reviewer for Cancer Reports
7. Reviewer for International Journal of Women's Health
8. Member International society of Ultrasound in Obstetrics & Gynecology (ISUOG)
9. Life Membership of Journal of Obstetrics & Gynecology (JOGI)

National/ International Conferences attended:

1. Faculty Development Course on Implementing CBME Based Curriculum in Obstetrics & Gynecology, organized by MEU India, Online, from (27th November 2020 – 1st May 2021).
2. FMF Webinar Course in Fetal Medicine organized by Fetal Medicine Foundation by Kypros Nicolaides, on 4th July 2021.
3. AICC RCOG Master Class on Maternal Fetal Medicine, Organized by Royal College of Obstetricians and Gynecologists, Online, on 4th July 2021.
4. Basic Training Ultrasound Course in Obstetrics & Gynecology- organized by Mediscan and Nagpur Obstetrics & Gynecology Society, Online, on 5th, 9th, 12th,16th, 19th,23rd,26th March 2022
5. 6th Annual International Conference "Genomics and Genetic Counseling: Value in Health Care" Organized by the Board of Genetic Counseling India, Online, from 2nd - 4th July 2021.
6. The 17th World Conference for Cervical Pathology and Colposcopy organized by IFCPC India, venue-Hyderabad/Online, from 1st -5th July 2021.
7. The 34th AICC-RCOG 2021 (Annual Conference organized by Royal College of Obstetricians and Gynecologists), Online, on 1st-3rd October 2021.
8. India Birth Network- Translating research into Practice- Organized by CMC Vellore (Supported by British Council and ICMR), Online, on 4th -5th October 2021, 20th January 2022, 14th March 2022 (Three Meetings)

Name of Faculty: Dr Manu Goyal
Designation: Associate Professor

Invited Lectures:

1. Epidemiology of cervical cancer. Workshop on VIA training of Medical officer (ToT). 24th & 25th February 2022.

Resource Faculty:

1. Workshop on VIA training (ToT): 24th & 25th February 2022 at AIIMS Jodhpur

Research Project:

Ongoing:

As Principal Investigator

1. An observational study of prevalence of Vitamin D deficiency in pregnant Indian women and its association with gestational diabetes mellitus" (DHR-GIA under ICMR)
2. Study of procedure related complications and feto-maternal outcome in intrauterine transfusion and cordocentesis at tertiary centre
3. Assessment of efficacy of various Local Anaesthetic modalities on Pain Relief during Endometrial Biopsy: a randomized control trial (Non-funded)

As Co-Investigator

1. 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)
2. Role of circulating micro-RNA in benign and malignant ovarian tumor (Intramural project, AIIMS, Jdh)
3. Maternal & fetal outcomes and multidisciplinary management of placenta accreta spectrum within a single tertiary centre

Completed:

As Principal Investigator

1. Effect of COVID-19 pandemic on antenatal care and maternal outcome: An observational study at tertiary centre in western India

As Co-Investigator

1. In-vitro evaluation for pro-healing modifications of endothelial cells by Prosopis Cineraria, a locally available conventional promoter of wound healing (Intramural project, AIIMS Jodhpur)
2. Diagnostic utility of various Immuno-histochemistry markers with special emphasis on the role of novel marker PAX8 & PAX2 in primary & metastatic ovarian epithelial carcinoma (Intramural project, AIIMS Jodhpur)

Examinership:

1. External Examiner: UG External Examiner for MBBS Final Year Examination at Sardar Patel Medical College, Bikaner on 4th-7th March 2022.

Membership/Post in Journal or Society or Association

1. Assistant Editor of Journal of Pregnancy and Child Health
2. Editorial member of International Journal of Advances in Gynecology and Obstetrics
3. Editorial Member of Indian Heart Journal
4. Assistant Editor of Journal of Paediatrics, Obstetrics & Gynecology

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. AMASI: Association of Minimal Access Surgeons of India

National/ International Conferences attended:

1. Virtual Pilot workshop on Training of trainers to create a cadre of SEAR Master Trainers for Competency-based Pre-Service Medical Abortion Training on 6th& 7th January 2022 [Online}
2. Webinar on Complete Anatomy (Software) on 18th February 2022 at AIIMS Jodhpur {online}

Name of Faculty: Dr Garima Yadav
Designation: Associate Professor

Books/Chapters:

1. Yadav G. Post-graduate text of Gynecologic Oncology. First ed. New Delhi. Evangel Publivation. 2021
2. Yadav G. Puerperal sepsis in infection. Editor Sumia Mehta. First edition. Springer publication. 2022
3. Yadav G. Targeted therapies in gynecological malignancies. Recent advances in gynecology. Editor Aruna Nigam. Second ed. Evangel publication. 2022

Papers Presented:

1. Yadav G, Sharma C, Singh P, Kathuria P, Solanki V. Incidence, causes and correlates of obstetric emergencies requiring critical care unit admission during COVID 19 pandemic. XVI National Conference of Nepal Society of Obstetricians and Gynecologists. 30th March – 3rd April 2022. Kathmandu. Nepal
2. Rao M, Rajendran M, Elhence P, Bharti JN, Singh P, Yadav G. Expression of Programmed death Ligand-1 and MMR status in endometrial carcinomas. 33rd congress of the European society of Pathology. 29th -31st August,2021. Gothenburg (Virtual)
3. Role of cervical cancer biomarkers P16 and Ki67 in abnormal cervical cytological smear at 17th IFCPC World Congress in Aug'2021.
4. Complacency at both ends in a telemedicine OPD and the role of technology in COVID pandemic. XVI National Conference of Nepal Society of Obstetricians and Gynecologists. 30th March – 3rd April 2022. Kathmandu. Nepal

Sessions Chaired:

1. Judge for free paper competition. 17th world congress of IFCPC. 1st-5th July'2021.
2. Quiz Master for the undergraduate quiz on female genital cancer prevention and treatment in IFCPC World congress, July'2021.
3. Abstract review committee member for IFCPC World Congress of "International federation of Cervical pathology and Colposcopy" held from 1st-5th July, 2021.

Research Project:

Ongoing:

As Principal Investigator

1. COVID-19 Vaccinations in Pregnancy: the COVIP study. ICMR

2. Utility of fallopian tube brush cytology as a screening tool for epithelial ovarian cancers in women undergoing Gynecological surgeries for benign and malignant conditions. Intramural Research Grant, AIIMS, Jodhpur.

As Co-Investigator

1. Expression and association of Micro RNAs (miR 424, MIR519D) in pregnancies complicated by fetal growth restriction via mediation of KLF6 and MTI-MMP Pathways. Intramural Research Grant, AIIMS, Jodhpur.
2. Upfront Debulking Surgery or Delayed Surgery after Neoadjuvant Chemotherapy for Advanced Stage Epithelial Ovarian Cancer: Comparison of Survival From a Non-Cancer Tertiary Care Centre.
3. Detection of subclinical LV dysfunction in PCOS patients: a Prospective case control study

Completed:

As Principal Investigator

1. The role of Vaginal progesterone in delaying delivery following an episode of arrested preterm labor: a Randomized controlled trial
2. Questionnaire study among women with previous lower segment cesarean section regarding their concerns and views for opting vaginal delivery
3. Clinico-radio-pathological spectrum of ovarian and uterine malignancies at AIIMS, Jodhpur: our experience.
4. Clinical Spectrum of Gestational Trophoblastic Disease in a tertiary care centre: a retrospective analysis.

As Co-Investigator

1. Red cell allo-immunization among antenatal women in AIIMS, Jodhpur and their feto-maternal outcomes. Intra-mural Resarch Grant, AIIMS, Jodhpur
2. Prevalance and spectrum of major structural anomalies in fetuses and neonates at AIIMS, jodhpur: understanding the risk factors
3. The anatomical measurements of vulva in Indian women: A cross-sectional prospective study
4. A study of knowledge, attitude, and practice of contraception among nursing staff in All India Institute of Medical Sciences, Jodhpur, Rajasthan.
5. Level of complacency on both ends in a telemedicine clinic.
6. Objective Structured Clinical Examination (OSCE) as a learning tool for post-graduate residents in the department of Obstetrics and Gynecology- A two years experience.
7. Knowledge, attitude, and awareness regarding fertility among women attending infertility OPD of AIIMS Jodhpur

Scientific Awards/Patents

1. Top Scorer. Gynecologic oncology training. Indian College of Obstetrics and Gynecology (ICOG). 28th August – 16th October 2021.
2. Palliative care course in gynecologic oncology. AIIMS, Delhi. 19th March'2022

Examinership

1. External examiner for Final Prof. exit exam at S.N Medical College, Jodhpur.
2. External examiner for Final Prof. exit exam at AIIMS, Raipur.

Membership/Post in Journal or Society or Association

1. Executive member of the team which established the Rajasthan chapter of AGOI (Association of Gynecological Oncologists of India)
2. Member of European society of gynecological oncology (ESGO)
3. Member of International gynecologic cancer society (IGCS)
4. Member of Federation of Obstetrics and gynecology of India (FOGSI)

National/ International Conferences attended:

3. XVI National Conference of Nepal Society of Obstetricians and Gynecologists. 30th March – 3rd April 2022. Kathmandu. Nepal
4. IFCPC World congress. International federation for cervical pathology and colposcopy., virtual, July'2021

Name of Faculty: Dr Meenakshi Gothwal
Designation: Associate Professor

Books/Chapters:

1. Sharma C, Gothwal M. Patient Blood Management in Obstetrics- In ebook on Patient Blood Management inaugurated by Director, AIIMS Jodhpur in association with NHM on 29th March 2022.
2. Gothwal M-Assessment of ovarian reserve (chapter 4, page 22-25) Handbook of infertility for practitioners by INTAS pharmaceuticals)

Papers Presented:

1. Role of cervical cancer biomarkers P16 and Ki67 in abnormal cervical cytological smear (17th world congress of cervical pathology and colposcopy July 2021)

Invited Lectures

1. Per vaginal examination in workshop on VIA Training (TOT training 24TH -25TH feb), AIIMS Jodhpur
2. Invited as a speaker in National conference on Optimizing the rates of caesarean section (14-15 Dec 2021) Organized by AIIMS Bibinagar.

Symposium Speaker

1. Invited as a Panelist in fetal medicine CME titled Gestational genetics (16th Sep 2021) organized by Society of fetal medicine

Research Project:

Ongoing:

As Principal Investigator

1. Impact of COVID 19 on Obstetrics & gynecology residency training program in India.
2. Knowledge, attitude and awareness regarding fertility among women attending infertility OPD of AIIMS Jodhpur

As Co-Investigator

1. COVID 19 vaccination in pregnancy: The COVIP STUDY (ICMR)
2. Comparison of cervicovaginal microflora in infertile vs asymptomatic healthy parous women- A case control study (Intramural).
3. Utility of fallopian tube brush cytology as a screening tool for epithelial ovarian cancers in women undergoing Gynecological surgeries for benign and malignant conditions. (Intramural)
4. Incidence, causes and corelates of obstetrics emergencies requiring CCU admissions in COVID 19 pandemics (Intramural).
5. Is QF-PCR, for prenatal diagnosis of chromosomal abnormalities in amniotic fluid samples, a substitute for conventional Karyotyping or Is it complementary- A comparative analysis. (Intramural non-funded)
6. Prenatal diagnosis of Non immune Hydrops Fetalis and their perinatal outcome- single centre experience. (Intramural non-funded)
7. Laparoscopic Neo-Vaginoplasty: Single Centre Experience (Intramural non-funded)
8. First trimester maternal serum PAPP-A and free-beta subunit hCG & NT (Combined Screen markers) and its association with adverse pregnancy outcome. (Intramural non-funded)

Completed:

As Principal Investigator

1. Role of cervical cancer biomarkers P16 and Ki67 in abnormal cervical cytological smear**.** (Intramural project)
2. Red cell alloimmunization among antenatal women in AIIMS Jodhpur and there feto-maternal outcome (Intramural Project)

As Co-Investigator

1. Detection of nerve fibers in the eutopic endometrium of women with endometriosis, uterine fibroids and adenomyosis
2. Lifestyle and Prevalence of Menstrual Disorders among Undergraduate Medical and Nursing Students: Can We Bring a Change?
3. The anatomical measurements of vulva in Indian women: A cross-sectional prospective study
4. Clinical Spectrum of Gestational Trophoblastic Disease in a Tertiary Care Centre: A Retrospective Analysis
5. Expression of microRNAs (miR 187 & miR146) and their association with pro and anti-inflammatory cytokines (IL-18 & IL-10) and transcriptional factor NF-κB in pregnancies complicated by Pre-eclampsia. (Intramural)
6. Utility of fallopian tube brush cytology as a screening tool for epithelial ovarian cancers in women undergoing Gynecological surgeries for benign and malignant conditions. Intramural Research Grant, AIIMS, Jodhpur.

Scientific Awards/Patents

1. Certificate for 16th ISUOG approved online USG Course, Singapore (14-16th Jan 2022)
2. Certificate of AICC RCOG Master Class on Maternal Fetal Medicine (4 July 2021)

Examinership:

1. External examiner at SNMC Jodhpur Rajasthan, final professional exit MBBS examination 5-7th March2022

Membership/Post in Journal or Society or Association)

1. Life member of FOGSI (Federation of Obstetrics & gynecology society of India)
2. Editor, Open access journal of cancer & Oncology
3. Reviewer for BMC Women health
4. Reviewer for International journal of reproduction, contraception, Obstetrics & gynecology
5. Reviewer for International journal of applied and basic medical research
6. Reviewer for Journal of clinical and diagnostic research
7. Reviewer for BMJ case reports

National/ International Conferences attended:

1. National conference on Optimizing the rates of caesarean section (14-15 Dec 2021), Organized by AIIMS Bibinagar.
2. fetal medicine CME titled Gestational genetics (16th Sep 2021) organized by Society of fetal medicine
3. 17th world congress of cervical pathology and colposcopy July 2021

Name of Faculty: Dr Priyanka Kathuria
Designation: Assistant Professor

Papers Presented:

1. Complacency at both ends in a telemedicine OPD and the role of technology in COVID pandemic. XVI National Conference of Nepal Society of Obstetricians and Gynecologists. 30th March – 3rd April 2022. Kathmandu. Nepal
2. Incidence, causes and correlates of obstetric emergencies requiring critical care unit admission during COVID 19 pandemic. XVI National Conference of Nepal Society of Obstetricians and Gynecologists. 30th March – 3rd April 2022. Kathmandu. Nepal

Sessions Chaired:

1. Perinatal Medicine. NARCHI conference. 27th August 2021. Delhi. As a judge in poster presentation.

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.

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. Intramural research grant. AIIMS Jodhpur.
2. COVID-19 Vaccinations in pregnancy: the COVIP Study. ICMR
3. The Effectiveness Of Self-measured Symphysis Fundal Height As Screening Tool For Diagnosing Small For Gestational Age Fetuses

4. Effect of Intrauterine Instillation of Hyaluronic Acid Rich Media on Clinical Outcomes of Intrauterine Insemination Treatment: A Randomized Control Trial
5. To evaluate the accuracy of hysterosalpingography (HSG) in predicting tubal blockage in infertile patients.
6. Monitoring Labour with AI-based software for prediction of fetal distress-a validation study
7. Domestic violence on women during COVID-19- Extramural, in collaboration with AIIMS Delhi
8. Correlation of maternal and fetal serum Orexin A level with insulin resistance in GDM patients

Completed:

As Principal Investigator

1. Level of complacency on both ends in a telemedicine clinic
2. Major congenital anomalies in the neonates of Rajasthan and their causes.
3. In it together: A dyadic approach to assessing the health-related quality of life and depression among infertile couples.
4. Interobserver and Interobserver variability in CTG interpretations– A hospital based Prospective Observational study
5. Inter and Intra-observer agreement on Hysterosalpingography (HSG)-A prospective study

As Co-Investigator

1. Clinical Spectrum of Gestational Trophoblastic Disease in a tertiary care centre: a retrospective analysis.
2. Clinico-radio-pathological spectrum of ovarian and uterine malignancies at AIIMS, Jodhpur: our experience.
3. Detection of subclinical LV dysfunction in PCOS patients: a Prospective case control study
4. Objective Structured Clinical Examination (OSCE) as a learning tool for post-graduate residents in the department of Obstetrics and gynecology- A two years' experience.
5. To evaluate the accuracy of hysterosalphingograpy (HSG) in predicting tubal blockage in infertile patients.
6. Comparison and assessment of performance of PREP-S, PIER-L, fullPIERS and mini-PIERS risk prediction models in patients of preeclampsia for predicting adverse maternal and fetal outcomes
7. The role of Vaginal progesterone in delaying delivery following an episode of arrested preterm labor: a Randomized controlled trial
8. Questionnaire study among women with previous lower segment cesarean section regarding their concerns and views for opting vaginal delivery
9. Knowledge, attitude and awareness regarding fertility among women attending infertility OPD of AIIMS Jodhpur

Resource Faculty

1. Virtual CME – What's new in ART. 28th Sept 2021, AIIMS Jodhpur.
2. VIA training of medical officers. (Multiple times in 2021 & 2022)

Scientific Awards/Patents

1. Professional Diploma in Aesthetic Gynecology. International Society of Aesthetic genital surgery and Sexology and American Society of cosmetic Physicians. July 2021

Membership/Post in Journal or Society or Association-

1. Life Member- The Federation of Obstetric and Gynaecological Societies of India
2. Life Member- Association of Minimal Access Surgeons of India
3. Life Member- Association of Surgeons of India
4. Life Member- National Association for Reproductive and Child Health of India
5. Annual Member- International Urogynecological Association
6. Annual Member- International Continence Society
7. Editorial Board- S Open Access Open Journals Publishing SOAOJ

National/ International Conferences attended:

1. XVI National Conference of Nepal Society of Obstetricians and Gynecologists. Kathmandu. Nepal. 30th March – 3rd April 2022
2. 27th Annual Conference of NARCHI Delhi (NARCHIDELCON-2021). NARCHI. 27th-29th August 2021.
3. Tubal factor infertility on 27th Nov 2021 organized by IFS.

Conference organized by the department:

"What's New in ART": (Web-CME)

A web-CME was organized by the department on 28th September 2021, coordinated by AIIMS Jodhpur. The Web-CME brought together practitioners and specialists from the field of reproductive medicine for a critical examination of emerging practices and technology in the field of reproductive medicine. The event was inaugurated with the welcome address by Dr. Pratibha Singh, Professor, and head of the department of Obstetrics and Gynaecology, AIIMS Jodhpur. It combined expert presentations by stalwarts of the field, with structured discussion sessions. The highlight of the event was the thought-provoking session by Prof. Neeta Singh, AIIMS, New Delhi on the future of emerging techniques and practices of non-invasive PGT. Prof. Neena Malhotra, AIIMS, New Delhi provided the closing remarks on ovarian stimulation in oocyte donors while Prof. Aleyamma T.K., CMC Vellore shared her views on advances in stimulation in PCOS.

The Web-CME comprised of 4 sessions, with the last session being a question and answer round. Each speaker was given 25 minutes to present, followed by 5 minutes for questions. Each conference session related to potentially practice-changing emerging concepts in the field. The web-CME was structured to foster discussion between participants around the core themes of infertility. Time was allocated at the end for a group reflection on the day's discussions. The event was well attended and a stretched question and answer round validated the deep involvement and interest of the participants.

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Name of Faculty: Dr. Manisha Jhirwal
Designation: Assistant Professor (Trauma & Emergency)

Department of Ophthalmology

S.No.	Name	Designation
1	Dr Kavita R Bhatnagar	Professor & Head
2	Dr Suwarna Suman	Assistant Professor
3	Dr Seema Meena	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:

The department of Ophthalmology at AIIMS, Jodhpur, has been growing, spreading its wings and prospering under the leadership of Professor and Head of Department, Prof. Kavita R Bhatnagar, assisted by six Assistant Professors. Dr Kirti Jaisingh and Dr Nikhil Agarwal recently joined the department in August & September, 2021, respectively.

Qualitative and quantitative patient care services are being provided in OPD, IPD and emergency. The latest additions in the OPD equipment are Pascal retina laser and Optos Ultra-Wide field retinal imaging. The department takes care of various specialities, including Cataract, Glaucoma, Squint, Neuro-Ophthalmology, Retina, Paediatric Ophthalmology, ROP Screening and Trauma/Emergency services, and speciality clinics for all. Now, Corneal speciality services have also been started by Cornea specialist. Recently, the department has been accredited as a Cornea Transplant Centre by the Rajasthan Government under Human Organ Transplantation Act. Rajasthan Eye Bank has also agreed with the department to provide cornea tissues free of cost, strengthening the effort to cater to needy patients.

The department has got a Modular Operation Theatre with well-equipped operating rooms. Recent addition of the Constellation will help us start the Vitreoretinal surgical services in the department becoming the only government institute in Jodhpur to offer this service at a very affordable cost.

Both undergraduate and post-graduate students are trained with the highest quality of skill by using innovative technologies, clinically and surgically. Teaching programmes in the form of faculty lectures, integrated/UNCLE teaching, symposiums, case presentations, and Journal clubs (physical and virtual), quiz and poster competitions are also conducted on a regular basis for the students. Participations in conferences under their respective mentors has further honed their confidence.

Compiled list of Publications of the department:

Papers

Pubmed Indexed:

1. Bhatnagar KR, Oberoi A. Students' perceptions on newly designed foundation course at MBBS entry level: A mixed-method study. Ind Psychiatry J 2022;31:141-50.
2. Goyal A, Soni K, Sharma V, Bhatnagar K R et al. Rapid Response Preparedness for Management of Post-Covid Invasive Rhino-Orbito-Cerebral Fungal Infections: Experience from a Tertiary Care Government Institute in India. Indian Journal of Otolaryngology and Head and Neck Surgery : Official Publication of the Association of Otolaryngologists of India. 2021 Jul:1-3. DOI: 10.1007/s12070-021-02753-z. PMID: 34307113; PMCID: PMC8286846.

3. Soni K, Das A, Sharma V, Goyal A, Choudhury B, Chugh A, Kumar D, Yadav T, Jain V, Agarwal A, Garg M, Bhatnagar K, Elhence P, Bhatia PK, Garg MK, Misra S. Surgical & medical management of ROCM (Rhino-orbito-cerebral mucormycosis) epidemic in COVID-19 era and its outcomes - a tertiary care center experience. J Mycol Med. 2021 Dec 25;32(2):101238. doi: 10.1016/j.mycmed.2021.101238. Online ahead of print. PMID: 34979299 Free PMC article.
4. Shakrawal J, Bhatnagar KR, Roy F. Epidemic in pandemic: A battle in the war. Indian J Ophthalmol. 2021 Jul;69(7):1971-1972.
5. Shakrawal J, Bhatnagar KR, Srivastav K. Covid-19 associated third nerve palsy. Indian J Ophthalmol, 2021, 69(10):2913-15.
6. Suman S, Kumar A, Rathod HU, Yadav T. Bilateral severe microphthalmos with bilateral colobomatus orbitopalpebral cyst: accessibility of speciality eye-care and rehabilitation services in low and middle-income countries. BMJ Case Rep. 2021 May 24;14(5):e241783. PMID: 34031083.
7. Suman S, Kumar A, Rathod HU. Lobular capillary hemangioma of the conjunctiva. Clin Case Rep. 2022 Feb 3;10(2):e05353. doi: 10.1002/ccr3.5353. PMID: 35140958.
8. Suman S, Kumar A, Rathod HU. Subconjunctival foreign body with suspected scleral penetration. Trauma Case Rep. 2022 Jan 25;38:100613.
9. Rastogi A, Jaisingh K, Rajurkar K, Saran RK, Singh M, Baindur S, Singiri D, Gaonker T. Coexistent Rosai Dorfman disease and Langerhans cell histiocytosis in an Orbital mass: A Case Report. Eur J Ophthalmol. 2022 Mar 1;11206721221083727.

Non-Pubmed Indexed:

1. Meena S, Aparna M, Bhatnagar K , Agrawal N, Singh K, Tandon M, Shakrawal J. Approach to the management of Corneal Ulcer. A review. RJO 2021;1;52-66.
2. Meena S, Rawat A, Bhatnagar K , Agrawal N, Singh K, Tandon M, . Review of Drugs and therapy for the management of Neo-vascular Age related Macular Degeneration.. RJO 2021;1;67-81.
3. Suman S, Rathod HU, Kumar A, Pal VK. Internal angular dermoid indenting on the globe. Ophthalmology Research: An International Journal. 15(3): 30-34, 2021.

Workshops/ Conferences Organized:

1. Eye Donation fortnight (25th August - 4th September 2021)

Our department celebrated the National Eye Donation fortnight which is observed every year from 25th August to 8th September. It started with the eye donation awareness walk which was flagged off in the august presence of Prof Kuldeep Singh, Dean Academics. We distributed pamphlets and forms for pledging one's eyes for a noble cause. All the dignitaries of AIIMS Jodhpur including Director Sir, Medical Superintendent Sir, Dean Academics Sir enthusiastically participated and pledged their eyes.

This was followed by a CME highlighting the importance of eye donation, the huge burden of corneal blindness, the myths and facts surrounding it and ways to facilitate easy procedure for donating one's eyes. Queries by the audience answered cleared a lot of apprehensions and myths around the process and procedure for eye donation.

A poster making competition was held for the Medical & Nursing, undergraduate and post graduate students. It had an overwhelming response with more than 30 entries. The best three posters were felicitated by Director Sir, Prof Sanjeev Mishra, Medical Superintendent Sir, Prof M K Garg, Dean Academics Sir, Prof Kuldeep Singh and HOD Ophthalmology Prof Kavita Bhatnagar and given a prize money of Rs 5000/-, 3000/- and 2000/- each.



Awareness Session in progress during the Eye donation fortnight, AIIMS Jodhpur



Pledging of Eyes by Director AIIMS, Jodhpur



Eye Donation Poster Competition: Prize Distribution on 7th Sep 2021

2. Eye Donation Walk on 26th August 2021

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. The walk was organized within the campus of AIIMS Jodhpur and was well-attended by numerous participants.



Participants during the Eye Donation CME on 3rd August 2021

3. Diabetic Retinopathy CME

A CME was conducted to spread awareness about the lesser-known effects of diabetes on the retina. The CME started with an introductory message by our HOD Prof Kavita Bhatnagar highlighting the importance for regular eye checkups for the same followed by two lectures stating the course of diabetic retinopathy ranging from mild to the most severe form of the disease, its complications and treatment modalities. Lecture on" Optimizing therapy in the management of diabetic macular edema" dealt in depth with the latest modalities for treating diabetic macular edema and the preferred practices in the present times.

Name of Faculty: Dr Kavita R Bhatnagar
Designation: Professor & Head

Papers Presented:

1. Impact of Astigmatism on reading performance with Hindi typography, 79th AIOC Virtual All India Ophthalmic Society 24-27th June 2021.
2. Glaucoma- Truly a silent thief of eyesight, 79th AIOC Virtual All India Ophthalmic Society 24-27th June 2021.
3. "On steep axis incision to correct preexisting corneal astigmatism", 79th AIOC Virtual All India Ophthalmic Society 24-27th June 2021.
4. School Eye Health Screening in Rural and Urban population: meeting the needs of society, 79th AIOC Virtual All India Ophthalmic Society 24-27th June 2021.
5. TRAMB as an "eye savior" in post COVID-19 ROCM, The Network: Towards Unity for Health (TUFH) 2021, Virtual, South Africa.

6. Telemedicine to the Rescue in Covid Era, The Network: Towards Unity for Health (TUFH) 2021, Virtual, South Africa.

Sessions Chaired:

1. Poster Podium Presentation – Cornea, AIOC 2021, Chairperson & Judge. 79th AIOC Virtual All India Ophthalmic Society 24-27th June 2021.
2. Free Paper - Hyde Park – III, AIOC 2021, Chairperson & Judge. 79th AIOC Virtual All India Ophthalmic Society 24-27th June 2021.
3. ACOIN SESSION 1 - (Session I - Current Scenario : Community Eye Health in Indian Subcontinent Today), Chairperson, 79th AIOC Virtual All India Ophthalmic Society 24-27th June 2021.

Invited Lectures

1. Faculty lecture on "Amblyopia" at 72nd Annual Delhi Ophthalmological Society International Hybrid Conference, September 26th to October 3rd 2021.

Resource Faculty:

1. International Council of Ophthalmology (ICO) Curriculum Development
2. International Council of Ophthalmology (ICO) Center for Ophthalmic Educators.
3. Subject Expert in the panel of Standing Selection Committee for Faculty recruitment at Kashmir Public Service Commission, Srinagar, J & K, 2nd -3rd August 2021

Research Project:

Ongoing:

As Principal Investigator

1. Effect of topical anti-glaucoma medications on ocular surface in glaucoma. A prospective cohort study.
2. Clinical profile and investigational characteristics of Glaucoma patients- A Retrospective analysis.
3. Assessment of glaucoma severity and deterioration by using Spaeth/Richman Contrast Sensitivity (SPARCS) and its correlation with OCT and Visual field.
4. Comparative study of patient outcome and satisfaction with Telemedicine versus Physical Consultation in Ophthalmology.
5. Evaluation of risk factors, management and outcomes of orbital involvement in COVID-19 associated ROCM.
6. A study of prevalence and risk factors of amblyopia in school going children belonging to 3-12 years age group.

As Co-Investigator

1. A Comparative, double-blinded, randomised, multicentre, phase III study to compare safety and efficacy of ENZ105 of Enzene Biosciences Ltd. with Innovator Ranibizumab in subjects with Neovascular (WET) AMD. Funding Agency: Enzene Biosciences Ltd. / Alkem Laboratories Ltd.
2. Open globe injuries in Western Rajasthan: A Retrospective Study

Completed:

As Principal Investigator

1. A study of retinal changes in women with Polycystic Ovarian Syndrome, AIIMS Jodhpur

2. Retinal thickness variation in patients with Gestational Diabetes Mellitus, AIIMS Jodhpur
3. Digital eye strain (DES) online survey before and after Covid 19 pandemic era in medical students and faculty.
4. Study of the changing trends in the risk factors and type of Dry Eye Disease during Covid-19 pandemic.

As Co-Investigator

1. OCT parameters in patients with central immune mediated demyelinating diseases.
2. Outcomes of Transcutaneous Retro-bulbar Amphotericin-B (TRAMB) as an Adjuvant therapy for Rhino-Orbital-Cerebral Mucormycosis (ROCM) following COVID-19.
3. Rapid Response Preparedness for Management of Post-Covid Invasive Rhino-Orbito-Cerebral Fungal Infections: Experience from a Tertiary Care Government Institute in India.
4. Surgical & medical management of ROCM (Rhino-orbito-cerebral mucormycosis) epidemic in COVID-19 era and its outcomes - a tertiary care center experience.
5. ROP in Western Rajasthan: A retrospective Study.

Examinership

1. External Examiner, MD Exam, AIIMS Bhopal, 23rd December, 2021.
2. External Examiner, MBBS Exam, Government Medical College, Bhilwara, Rajasthan, Feb 2022.
3. External Observer & Examiner, MBBS Exam, AIIMS Bhubneshwar, March 2022.
4. External Examiner, MD Exam, Thesis Evaluation, Gujarat University, Feb 2022.
5. External Examiner, MD Exam, Thesis Evaluation, Bhavnagar University, Jan 2022.
6. External Examiner, MD Exam, Thesis Evaluation, AIIMS, New Delhi, Nov 2021.
7. External Examiner, MD Exam, Thesis Evaluation, AIIMS, Raipur, Oct 2021.

Membership/Post in Journal or Society or Association

1. President, Association of Community Ophthalmologists of India, Rajasthan State Chapter, 2021-22.
2. Editorial Board, Indian Journal of Community Ophthalmology, 2021-22.
3. Editorial Board, International Council of Ophthalmology (ICO), Ophthalmic Education, 2021-22.
4. Executive Committee, International Manual Small Incision Cataract Surgery(IMSICS) 2021-22.

National/ International Conferences attended:

1. 79th AIOC Virtual All India Ophthalmic Society 24-27th June 2021.
2. 2022 TUFH Virtual Regional Conference for Americas.
3. The Network: Towards Unity for Health (TUFH) 2021, Virtual, South Africa.

Name of Faculty: Dr Suwarna Suman
Designation: Assistant Professor

Books/Chapters

1. **Suman S**, Kumar A, Saxena I, Kumar M. Fungal Keratitis: Recent Advances in Diagnosis and Treatment. In: Eye Infections - Recent Advances in Diagnosis and Treatment, Alejandro Rodriguez-Garcia and Julio C. Hernandez-Camarena, Intechopen London UK, Pg 1-24;ISBN 978-1-83969-320-5.

2. Saxena I, **Suman S**, Kaur AP et al. The Multiple Causes of Obesity. Role of Obesity in Human Health and Disease, Edited by Venketeshwer Rao and Leticia Rao, IntechOpen London UK.

Examinership

1. Appointed as an external examiner from RUHS, Jaipur for practical examination of MBBS part 1st (Main) Exam of ophthalmology held on 11-13, March 2022 at Dr. S N Medical College & associated group of Hospitals, Jodhpur.
2. Appointed as External Examiner by -Rajasthan University of Health Sciences, Jaipur to conduct Practical Examination of Third Professional MBBS Part-I (Ophthalmology) Main Exam held on 04 - 06 March 2022 at S P Medical College Bikaner, Rajasthan.
3. Internal Examiner MBBS IX Semester examination; 29.10.2022 – 01.11.2022.

National/ International Conferences attended:

1. International Forum on Quality and Safety in Healthcare, Europe 2021; virtual conference / 9-11 June 2021.
2. Webinar – Covid- 19 vaccine safety- From bench to bedside. (a part of the BMJ/ADB COVID-19 Information Centre)
3. CME- Webinar: core Ophthalmic Knowledge: Oculoplastics (AAO). 30/11/2021.

Name of Faculty: Dr. Seema Meena
Designation: Assistant Professor

Papers Presented:

1. TRAMB as an “eye saver” in post COVID -19 ROCM (Accepted for presentation in AIOC 2022)
2. Physical Poster Judgement -OCT- Key tool in detecting subtle changes in Gestational Diabetic Retinopathy(Accepted for presentation in AIOC 2022)

Research Project:

Ongoing:

As Principal Investigator

1. Open globe injuries in Western Rajasthan: A Retrospective Study

As Co-Investigator

1. Comparative double blinded ,Randomised, Multicenter, Phase III study to compare the safty and efficacy of ENZ105 of Enzene Biosciences Ltd.with Innovator Ranibizumab in subjects with Neovascular(Wet) Age Related Macular Degeneration.
2. Serum Sialic acid levels as a biological marker of diabetic nephropathy in type 2 Diabetes mellitus.
3. Comparative study of patients outcome with telemedicine versus physical consultation ophthalmology.
4. Assessment of glaucoma severity and deterioration by using spaeth /richman contrast sensitivity (SPARCS) and its correlation with RNFL optical coherence tomography(OCT) and visual fields.

Completed:

As Principal Investigator

1. ROP in Western Rajasthan: A retrospective Study.

As Co-Investigator

1. Evaluation of risk factors, management and outcomes of orbital involvement in COVID-19 associated sinonasal mucormycosis with orbital involvement.
2. Retinal thickness variation in patients with Gestational Diabetes Mellitus

National/ International Conferences attended:

1. Attended 79th Annual Conference (virtual) of All India Ophthalmological Society on 24-27th June 2021.
2. Attended International DOS conference (Virtual) on 17-18th April 2021.
3. Attended Sixth Annual (Virtual) Conference of Telangana Ophthalmological Society on 7-8 august 2021.
4. Attended Vitreo Retina Society of India Virtual Meet on 16-19 December 2021.

Name of Faculty: Dr. Jyoti Shakrawal
Designation: Assistant Professor

Books/Chapters

1. Practical Approach to Glaucoma: Case based. Thieme Publishers. 2021
2. Inferior Oblique surgeries. Video Atlas of *Strabismus Surgeries. CBS Publishers Ltd;2022.*

Papers Presented:

1. Co-author in an oral Paper presentation on "Effect of mindfulness based stress reduction on optic disc perfusion in primary open angle glaucoma" at 9th World Glaucoma E-Congress, June 30th to July 3rd 2021.

Invited Lectures-

1. Faculty lecture on "Selective laser trabeculoplasty" at 72nd Annual Delhi Ophthalmological Society International Hybrid Conference, September 26th to October 3rd 2021.

Research Project:

Ongoing:

As Co-Investigator

1. Effect of topical anti-glaucoma medications on ocular surface in glaucoma. A prospective cohort study.
2. Clinical profile and investigational characteristics of Glaucoma patients- A Retrospective analysis.
3. Assessment of glaucoma severity and deterioration by using Spaeth/Richman Contrast Sensitivity (SPARCS) and its correlation with OCT and Visual field.
4. Comparative study of patient outcome and satisfaction with Telemedicine versus Physical Consultation in Ophthalmology.
5. Evaluation of risk factors, management and outcomes of orbital involvement in COVID-19 associated ROCM.

National/ International Conferences attended:

1. 9th World Glaucoma E-Congress, June 30th to July 3rd 2021.
2. 72nd Annual Delhi Ophthalmological Society International Hybrid Conference, September 26th to October 3rd 2021.

Name of Faculty: Dr Manjari Tandon
Designation: Assistant Professor

Research Project:
Ongoing:
As Principal Investigator

1. A Comparative, double-blinded, randomised, multicentre, phase III study to compare safety and efficacy of ENZ105 of Enzene Biosciences Ltd. with Innovator Ranibizumab in subjects with Neovascular (WET) AMD Funding Agency: Enzene Biosciences Ltd. / Alkem Laboratories Ltd.

Membership/Post in Journal or Society or Association

1. Uveitis society of India (USI) (USI-M18)

National/ International Conferences attended:

1. 79th AIOC Virtual All India Ophthalmic Society 24-27th June 2021
2. 20th Annual(Virtual) conference of Uveitis society of India, USICON 2021, 8th-10th October 2021.
3. VRSI Virtual 202116th-19th December 2021.
4. Basic Uveitis course 4, International Uveitis Study Group, 3rd April 2021

Name of Faculty: Dr Nikhil Agrawal
Designation: Assistant Professor

Examinership

1. External examiner for MBBS third professional examination (Part I), held at Dr SN Medical College Jodhpur, 9-11th March 2022

Name of Faculty: Dr. Kirti Jaisingh
Designation: Assistant Professor

Research Project:
Ongoing:
As Co-Investigator

1. Open globe injuries in western Rajasthan: A retrospective study (OGI)

Membership/Post in Journal or Society or Association

1. Membership for Vitreo-Retinal Society of India

National/ International Conferences attended:

1. Delhi Retina Meet- 03-05 September 2021

Department of Orthopaedics

S.No.	Name	Designation
1	Dr. Abhay Elhence	Professor
2	Dr. Sumit Banerjee	Additional Professor
3	Dr. Nitesh Gahlot	Associate Professor
4	Dr. Sandeep Kumar	Assistant Professor
5	Dr. Saurabh Gupta	Assistant Professor
6	Dr. Prabodh Kantiwal	Assistant Professor

About the Department

Post the COVID -19 Pandemic at its angry best, the department reiterated its focus on postgraduate training, research and its clinical services.

The department observed a rebound increase in clinical work in all specialty areas. All faculty members resumed their physical offline faculty commitments at the national and international level. Several of the senior residents became faculty members in various AIIMS and other institutions at the national level. The external visitation program for senior residents was revived and they were able to travel to other centers of excellence for observorships in their chosen specialty areas.

All in all, the department entered the rebuilding and consolidation phase post the COVID -19 pandemic.

Compiled list of Publications of the department:

Papers

Pubmed Indexed:

1. Banerjee S, Gupta A, Elhence A, Choudhary R. Arthroscopic Subtalar Arthrodesis as a Treatment Strategy for Subtalar Arthritis—A Systematic Review. The Journal of Foot and Ankle Surgery,2021.ISSN 1067- 516,https://doi.org/10.1053/j.jfas.2021.04.006.
2. Sambhav K, Nayyar AK, Elhence A, Gupta R, Ghatak S, Anatomical Variations of Corona Mortis in the Anterior Intrapelvic Approach: A Cadaveric Study, MYmensingh MED J 2022 Jul; 31 (3): 826-834.
3. Gupta A, Kumar S, Elhence A, Banerjee S, Calcaneal skeletal traction versus elastic intramedullary nailing of displaced tibial shaft fractures in children- letter to editor, Injury,2021,ISSN0020-1383
4. Kunal K, Banerjee S, Garg PK, Elhence A. Apixaban or enoxaparin: which is better for thromboprophylaxis after total hip and total knee arthroplasty in Indian patients?. British Journal of Clinical Pharmacology, 2021. 10.1111/bcp.14959.
5. Khatri N, Banerjee S, Elhence A, Long-term outcomes of curved intertrochanteric varus osteotomy combined with bone impaction grafting for non-traumatic osteonecrosis of the femoral head -letter to editor. *Bone Joint J*
6. D Swami, N Gahlot, A Elhence, Giant Cell Tumor of the Talus: A case report and review of literature, Journal of Foot and Ankle Surgery (Asia Pacific) 2022. 9 (2), 93. DOI: 10.5005/jp-Journals-10040-1162
7. Banerjee S, Khatri N, Kaur A, Elhence A. Bibliometric Analysis of Top 100 Systematic Reviews and Meta-analyses in Orthopaedic Literature. Indian J Orthop. 2022 Feb 3;56(5):762-770.
8. Abhishek KS, Shrimali T, Tak V, Nag VL, Banerjee S, Khera S. Primary pelvic echinococcosis though uncommon but not rare. Tropical Parasitology,2021: 11(1),56-59.

9. Netaji J, Banerjee S, Garg PK, Elhence A, Reappraisal of Limited Duration Tourniquet in Total Knee Arthroplasty: A Double-Blinded RCT. *JOIO* (2021).
10. Agrawal N, Ghuman NK, Singh P, Kathuria P, Banerjee S, Garg PK, Rai A. Postmenopausal bleeding as a late sequela of pelvic fracture. Journal of Mid-life Health Oct 1; 12(4)316-318; 2021 DOI: 10.4103/jmh.jmh_99_21
11. Banerjee S, Khatri N, Kaur A, Elhence A. Bibliometric Analysis of Top 100 Systematic Reviews and Meta-analyses in Orthopaedic Literature. Indian J Orthop. 2022 Feb 3;56(5):762-770.
12. Kantiwal P, Gupta S, Yadav SK, Elhence A. Letter to the Editor with reference to "Gin Way Law, Yoke Rung Wong, Antony Gardner and Yau Hong NG. Intramedullary nailing confers an increased risk of medial migration compared to dynamic hip screw fixation in unstable intertrochanteric hip fractures.". Injury. 2021 Mar 7:S0020-1383(21)00229-1.
13. Kantiwal P, Gupta S, Yadav S, Elhence A. Letter to the editor with reference to "Zhang BB, Hu H, Zhan S, Mei J, Zhu Y, Luo CF. Biomechanical analysis of "Barrel hoop plate" technique for the posterolateral fragments of tibial plateau fractures with different displacement tendency". Injury. 2021 Mar 4:S0020-1383(21)00167-4.
14. Kantiwal P, Vatsya P, Mittal S, Trikha V. Do short carbon fiber-reinforced polyetheretherketone proximal femoral nails in treatment of hip fractures have the potential to put an end to peri implant fractures? Injury. 2020 Dec;51(12):2992.
15. Malhotra R, Gupta S, Gupta V, Manhas V. Navigated Unicompartmental Knee Arthroplasty: A Different Perspective. ClinOrthop Surg. 2021;13:e49.
16. Malhotra R, Gautam D, Gupta S. A New Type of Periprosthetic Fracture: Is It the Time to Update the Unified Classification System? Indian J Orthop. 2021 Oct 3;55(5):1277-1285.
17. Malhotra R, Gautam D, Gupta S, Eachempati KK. An algorithmic approach to total hip arthroplasty in patient with post-polio paralysis and fixed pelvic obliquity. Bone Jt Open. 2021 Sep;2(9):696-704.
18. Malhotra R, Jain A, Gupta S, Gautam D. Outcomes of Total Knee Arthroplasty in Patients with Prior Hardware: A Case-Control Study Using Handheld Navigation. J Knee Surg. 2021 Apr 14.
19. Gautam D, Arora N, Gupta S, George J, Malhotra R. Megaprosthesis Versus Allograft Prosthesis Composite for the Management of Massive Skeletal Defects: A Meta-Analysis of Comparative Studies. Curr Rev Musculoskelet Med. 2021 Jun;14(3):255-270.
20. Malhotra R, Gupta S, Gupta V, Manhas V. Risk Factors and Outcomes Associated with Intraoperative Fractures during Short-Stem Total Hip Arthroplasty for Osteonecrosis of the Femoral Head. Clin Orthop Surg. 2022 Mar;14(1):41-47.
21. Malhotra R, Gautam D, Mahato A, Gupta S, Panday P, Chawla A. Trunnionosis in total knee arthroplasty: an unusual case report in revision knee arthroplasty. Curr Orthop Prac. 2021 Jun;32(3):242-246.
22. *SARS-CoV-2 vaccination modelling for safe surgery to save lives: data from an international prospective cohort study.* Br J Surg. 2021 Sep 27;108(9):1056-1063.
23. *Regional and experiential differences in surgeon preference for the treatment of cervical facet injuries: a case study survey with the AO Spine Cervical Classification Validation Group.* Canseco JA, Schroeder GD, Patel PD, et.al. Eur Spine J. 2021 Feb;30(2):517-523.
24. SARS-CoV-2 infection and venous thromboembolism after surgery: an international prospective cohort study. COVIDSurg Collaborative; GlobalSurg Collaborative. Anaesthesia. 2022 Jan;77(1):28-39.
25. Effects of pre-operative isolation on postoperative pulmonary complications after elective surgery: an international prospective cohort study. COVIDSurg Collaborative; GlobalSurg Collaborative. Anaesthesia. 2021 Nov;76(11):1454-1464. doi: 10.1111/anae.15560. Epub 2021 Aug 9. PMID: 34371522.

26. Establishing the Injury Severity of Subaxial Cervical Spine Trauma: Validating the Hierarchical Nature of the AO Spine Subaxial Cervical Spine Injury Classification System. Schroeder GD, Canseco JA, Patel PD, et.al. AO Spine Cervical Classification Validation Group. Spine (Phila Pa 1976). 2021 May 15;46(10):649-657.
27. Swami D, Gahlot N, Elhence A. Giant Cell Tumor of the Talus: A Case Report and Review of Literature. J Foot Ankle Surg Asia-Pacific 2022; 9 (2):92-95. DOI: 10.5005/jp-journals-10040-1162.

Non-Pubmed Indexed:

1. Elhence A, Gupta S. Unhappy Total Knee Arthroplasty – Surgeon's Paradigm. ROSA Voice. 2021 Jun;12(1):41-46

Name of Faculty: Dr. Abhay Elhence
Designation: Professor

Books / Chapters

1. External fixation in Pelvic fractures- Elhence A, Gupta A. Handbook of Orthopaedic Trauma Implantology by Springer
2. Screw fixation in pelvi-acetabular fractures- Sen R, Elhence A, Saini G. Handbook of Orthopaedic Trauma Implantology 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 by Springer

Invited lectures and sessions chaired:

1. Invited Guest Faculty for Management of Anterior Column Fractures at UPORTHOCON April, 2021.
2. Invited Guest Faculty for IOA Guidelines on Spondyloarthritis Pathogenesis, Prevalence & Burden on 29th April, 2021.
3. Chief Coordinator and Invited Faculty for Pelvi Acetabular Workshop at MCH Orth Dundee. Delivered lecture on Radiology and Classification of Acetabular Fractures, 20th May, 2021.
4. Chief Coordinator and Invited Faculty for Pelvi Acetabular Workshop at MCH Orth Dundee, 20th May, 2021. Delivered lecture on Posterior wall fracture acetabulum when to fix and how…?
5. Chief Coordinator and Invited Faculty for Pelvi Acetabular Workshop at MCH Orth Dundee. Delivered lecture on ACPHT Fracture, 20th May, 2021.
6. Invited Guest Faculty for Online AOPAS Pelvi-actabular Symposium Congress 6th June, 2021. Delivered lecture on Morel Lavallee Lesion.
7. Invited Guest Faculty for Online Webinar on Complex Primary Hips organized by MAX, Merrill, 12th June, 2021.
8. Invited Guest Faculty for IOA-IORA Guidelines in Rheumatologic Disorders and delivered a talk on Pain Management with NSAIDS in Rheumatology, 25th June, 2021.
9. Invited Guest Faculty in TOSACON 2021 and delivered a talk on Indications for Revision TKA on 10th July, 2021.
10. Invited Guest Faculty in TOSACON 2021 and delivered a talk on Current Guidelines in DVT Prohylaxis in Trauma on 10th July, 2021.
11. Invited Guest Faculty in 21st Asia Pacific Orthopaedics Association Congress 2021 and delivered a talk on Optimal use of antibiotics in open fractures on 29th July, 2021.

12. Invited Guest Faculty in 21st Asia Pacific Orthopaedics Association Congress 2021 and delivered a talk on Should Anticoagulation Delay Surgery on 29th July, 2021.
13. Chief Coordinator and Invited Guest Faculty in Indian Arthroplasty Association (IAA) webinar series on TKA for Varus Knees, 21st August, 2021.
14. Invited Guest Faculty for 7th European Pelvic Instructional Course (Virtual) 1st September, 2021.
15. Invited Guest Lecture on FAI- Open Surgery When and How, in Rheumatology Master Class Webinar Series on 6th September, 2021.
16. Invited Guest Faculty at IAA Silver Jubillee IAACON 2021 at Mumbai and delivered a talk on To impaction graft or TM augment, Complex 1° and Revision THA, 22nd October – 24th October, 2021.
17. Invited Guest Faculty at IAA Silver Jubillee IAACON 2021 at Mumbai and delivered a talk on THA Post Acetabular Fracture, 22nd October – 24th October, 2021.
18. Invited Guest Faculty for Current Concepts in Arthroplasty (CCA) - 2021 at Jawahar Lal Nehru Auditorium, AIIMS, New Delhi from 30th – 31st October, 2021.
19. Invited Guest lecture on Intrapelvic migration of the primary hip Revision THA, IAA Webinar, 25th November, 2021.
20. Organizing chairman and lead Faculty for AO Trauma Pre-Basic Course at AIIMS, Jodhpur on 12th December, 2021.
21. Invited Guest Faculty for IAA Webinar on Peri-prosthetic Fractures and delivered a talk on TKA in Degenerative OA with Severe Osteoporosis, 19th January, 2022.
22. Organizing chairman and lead Faculty for AO Trauma Indo-Thai Pelvi-Acetabular Course on 23rd January, 2022 and delivered invited guest lecture on CPAI and conducted the panel discussion.
23. Coordinator and Invited Faculty for Asia Pacific Hip Society Webinar on THA in Post Traumatic Hips on 12th February, 2022 and conducted the panel discussion.
24. Invited Guest Lecture on Approach to case of monoarticular arthritis, in Rheumatology Master Class Webinar Series on 26th February, 2022.
25. Invited Guest Faculty for ROSACON 2022 at Mahatma Gandhi Medical College, Jaipur from 11th March - 12th March, 2022 and delivered a talk on Post Acetabular Fracture THA.
26. Invited Guest Faculty for ROSACON 2022 at Mahatma Gandhi Medical College, Jaipur from 11th March - 12th March, 2022 and delivered a talk on Pelvic Fractures GOSPELS of Management.
27. Invited Guest Lecture on Morel Lavallee Lesion in AOPAS – Wiroc Global Webinar 23rd March, 2022.

Research Project:

Ongoing:

As Principal Investigator

1. Correlation of Functional outcome evaluation scores in total knee arthroplasty patients.
2. Assessment of Symptomatic uni-compartmental osteoarthritis patients who are eligible for unicondylar knee arthroplasty – A prospective observational study.
3. Intra-observer and inter observer variability in measurements of carrying angle of the elbow using clinical and radiological methods.
4. Safe Surgical Corridor for the Infra-Acetabular screw placement- anthropometric CT based study.
5. Prospective cohort study to find correlation between bone mineral density and outcome of fracture neck of femur.

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 traumaTug and Ilas scores as early predictors for long term functional outcome in patients undergoing hip and knee arthroplasty
3. Factors affecting & 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.
4. Comparison between contoured rod and straight rod in restoration of segmental and regional lumbar lordosis in single level open transforaminal lumbar interbody fusion
5. Biomechanical factors in patellofemoral pain syndrome: A cross-sectional study.
6. Evaluation of proximal humerus fracture outcome and effect of fracture type on postoperative avascular necrosis of head and fragment collapse.
7. Evaluation of proximal humerus fracture outcome and effect of fracture type on postoperative avascular necrosis of head and fragment collapse.
8. Intra-observer and inter-observer variability in measurements of carrying angle of the elbow using clinical and radiological methods

Completed:

As Principal Investigator

1. 3D CT based Morphometeric Assessment of Quadfilateral Plate in human Pelvis.
2. Comparative evaluation of thrombotic events with tourniquet use during full length of surgery vs only at cementation in Total Knee Arthroplasty.
3. Safety and Efficacy of apixaban and enoxaparin in patients undergoing total hip arthroplasty and total knee arthroplasty: A Prospective Observational Study.
4. Anatomical factors & functional status affecting knee pain and quality of life in patients with moderate to severe osteoarthritis knee.

As Co-Investigator

1. Efficacy of platelet rich plasma therapy in management of pain in patients with knee Osteoarthritis.
2. Effect of platelet Rich plasma on healing of autologous graft following ACL reconstruction: A Randomized Control trial.
3. Reliability assessment of ten column classification of tibial plateau fractures as compared to standard classification systems.
4. Description of trauma patients in the emergency department of a tertiary care hospital in northwest India.

Examinership

1. PG External Examinership at AIIMS Rishikesh, AIIMS Raipur, Era Medical College Lucknow, Subharati Medical College, Meerut.
2. Examiner for National Board of examinations
3. External Expert and reviewer for Extra mural and funded projects for AIIMS Delhi
4. Reviewer for JCOT, IJO, Clinical Surgery Research Communications
5. Reviewer and Advisory Board member of “Journal of Orthopaedic Diseases and Traumatology”

Name of Faculty: Dr. Sumit Banerjee
Designation: Additional Professor

Papers Presented (As Co-Author)

1. Presentation “Knocked down...but kicking back: The impact of Coronavirus pandemic on Orthopedic Practise in a developing nation” 41st SICOT Orthopedic World Congress, Budapest, September 2021.
2. Presentation “Revving it up: Effect of platelet rich plasma on healing of autologous graft and functional outcome following ACL reconstruction” 21st Congress of APOA, Malaysia, July 2021.

Invited Lectures :

1. Lecture on “Transfer to definitive Care” ATLS Provider Course, February 2022, Jodhpur.
2. Lecture on “Initial Assessment and management” ATLS Provider Course, February 2022, Jodhpur.
3. Lecture on “Fracture Reduction” AO Trauma Online Seminar—Introduction to Basic Principles of Fracture Management**,** December 2021, Jodhpur.
4. Video presentation “Mechanics of Bone Fractures” AO Trauma Online Seminar—Introduction to Basic Principles of Fracture Management**,** December 2021, Jodhpur.
5. Lecture on “Radiological evaluation of a repaired cuff” Orthopedic Annual Symposium 2021, December 2021, AIIMS Bhatinda.
6. Lecture on “Spine and Spinal Cord Trauma” ATLS Provider Course, November 2021 Jodhpur.
7. Lecture on “Pediatric ACL avulsion injuries” YSF Webinar, August 2021.
8. Lecture on “Transfer to definitive Care” ATLS Provider Course, July 2021 Jodhpur.
9. Lecture on “Initial Assessment and management” ATLS Provider Course, July 2021 Jodhpur.
10. Lecture on “Spine and Spinal Cord Trauma” ATLS Provider Course, July 2021 Jodhpur.

Research Projects:

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. Study of variation in lateral femoral condyle index as a risk factor in Anterior Cruciate Ligament injury.
3. TUG and ILAS scores as early predictors for functional outcome in patients undergoing hip and knee Arthroplasty.
4. Biomechanical factors in patellofemoral pain syndromes: A Case-Control study.
5. A study on the relation of socioeconomic status with incidence and severity of musculoskeletal trauma.

As Co- Investigator

1. Study to find the relation of preoperative anemia and postoperative outcomes following elective total joint arthroplasty: a prospective observational study.
2. 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
3. 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.

4. Evaluation of proximal humerus fracture outcome and effect of fracture type on post-operative avascular necrosis of head and fragment collapse.
5. Comparison of preoperative genicular nerve radiofrequency ablation with conventional analgesics on post-operative outcome following total knee arthroplasty: A randomized controlled trial
6. Validation of MRI based Classification of RAMP lesions and associated injuries with arthroscopic correlation and confirmation

Completed:

As Principal Investigator

1. To explore MiR-24 and Th17/Treg-imbalance as markers for disease activity in patients with rheumatoid arthritis and its correlation with clinical assessment of disease activity.
2. Study of variation in posterior tibial slope in various age group and its association with anterior cruciate ligament injury and osteoarthritis. A Prospective Observational Study.
3. Efficacy of platelet rich plasma therapy in management of pain in patients with knee osteoarthritis
4. How the Practice of orthopedics changed during Covid-19 pandemic: an analysis of online survey?
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.
7. Radiological evaluation of the femoral canal morphology and the stem- canal fit in patients undergoing Total Hip Arthroplasty
8. Prognostic factors associated with clinical and functional outcome of surgically managed periarticular fractures around knee.

As Co- Investigator

1. Retrospective analysis of Vitamin D levels to assess its seasonal variation in Western India. - completed.
2. 3D CT based morphometric assessment of quadrilateral plate in human pelvis.
3. Correlation of functional outcome evaluation scores in total knee arthroplasty patients.
4. Assessment of symptomatic unicompartmental osteoarthritis patients who are eligible for Unicondylar knee arthroplasty – A prospective observational study
5. Anthropometric study to describe safe corridor for superior pubic ramus screw stabilisation of anterior pelvic ring: a pilot study.
6. Description of trauma patients in the emergency department of a tertiary care hospital in northwest India
7. Critical radiological and functional outcome analysis of proximal humerus fracture patients.

Examinership:

1. External examiner for MS Orthopedics SGRD University of health Sciences, August 2021, Amritsar.
2. Centre Co-ordinator and Examiner DNB Orthopedics Examination, August 2021, Jodhpur
3. PG Thesis evaluation, AIIMS New Delhi, October 2021
4. PG Thesis Evaluation, AIIMS Rishikesh, February 2022
5. PG Thesis Evaluation, NBE, August 2021 & December 2021
6. Subject expert for recruitment interview of Consultant Orthopedics in Health and Medical education department, August 2021, JK Public Service Commission, Srinagar

Name of Faculty: Dr. Nitesh Gahlot
Designation: Associate Professor

Scientific Awards

1. Awarded the Scoliosis Research Society (SRS) Global Outreach Program Travelling Fellowship.

Research Projects:

Ongoing:

As Principal Investigator

1. Evaluation of knee ligament injuries and outcome assessment of surgical and non-surgical management.
2. Effectiveness of local platelet rich plasma injection in fracture site in delayed union of closed diaphyseal long bone fractures.
3. Outcome assessment of the subtalar arthroscopy.
4. Reliability assessment of ten column classification of tibial plateau fractures as compared to standard classification systems.
5. Age and gender matched constant score in normal shoulders of Indian population.
6. Description of trauma patients in the emergency department of a tertiary care hospital in northwest India.
7. Critical radiological and functional outcome analysis of proximal humerus fracture patients.
8. Effectiveness of back school program in chronic low back pain in different occupational settings at a tertiary care set-up.

As Co- Investigator:

1. 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.
2. Evaluation of proximal humerus fracture outcome and effect of fracture type on postoperative avascular necrosis of head and fragment collapse.
3. Correlation between Gross Anatomical and Radiological Evaluation for attachments of medial and lateral ligament of knee joint in cadavers of Indian origin.
4. Effect of platelet Rich plasma on healing of labrum following arthroscopic bankart repair: a randomized control trial.

Completed:

As Principal Investigator

1. Radiographic analysis of sagittal spino-pelvic balance in asymptomatic population and backache patients.

Membership/ Post in Journal or Society or Association

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. Reviewer for the leading journals: Indian Journal of Orthopedics (IJO), Orthopedic traumatology:surgery and research (OTSR), Journal of Clinical Orthopedics and Traumatology (JCOT).

Conferences / Webinars/ Courses attended:

1. Ranawat orthopaedic Conference (ROC) 19th Winter Meeting, "Advances and Techniques in Joint Replacement Surgery and Arthroscopy". February 2021.

Name of Faculty: Dr. Sandeep Kumar Yadav
Designation: Assistant Professor

Paper presentations :

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" at Dr. A. A. Mehta Gold Medal Session, Goa, IOACON 2021, December 2021.

Research Project:

As Principal Investigator

1. Morphometric analysis of thoracolumbar junction (T11-L2) in western Indian population
2. Pain and Disability index in chronic low back pain patients with deranged spino-pelvic parameters

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
2. CT Based multivariate statistical analysis of morphology and morphometry of calcaneum in north-western Indian population

Membership/Post in Journal or Society or Association

1. SICOT, Active member
2. IOA, Life member
3. AO spine member
4. APSS member

Name of Faculty: Dr. Saurabh Gupta
Designation: Assistant Professor

Paper presented:

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" at Dr. A. A. Mehta Gold Medal Session, Goa, IOACON 2021, December 2021
2. "Reconstruction of artificially created gap non-union using autologous osteoblast cultured over three dimensional bio-degradable scaffolds" at Dr. R. C. Rallan Gold Medal Session, Goa, IOACON 2021, December 2021

3. “Congenital knee dislocation – Our experience of 12 knees with minimum 2 year follow up” at 41st SICOT Orthopaedic World Congress (Virtual), Budapest, September 2021
4. E-Poster presentation as Presenting Author “Comparision of functional outcome in supracondylar femur fracture with intercondylar extension AO type C1 and C2 treated with IMIL Nail with CC Screws versus DFLCP – 5 Year outcome” at 41st SICOT Orthopaedic World Congress (Virtual), Budapest, September 2021
5. “Unicondylar Knee Replacement – A new frontier” at Clinical Grand Round (CGR), AIIMS Jodhpur, October 2021
6. “Musculoskeletal Disorders in Elderly” at Training of Medical Officers from PHC/ CHC in Elderly Health, AIIMS Jodhpur, March 2022

Resource person:

1. Participated as Faculty in Training of Medical Officers from PHC/ CHC in Elderly Health, AIIMS Jodhpur, March 2022

Research Project:

As Principal 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

As Co- Investigator:

1. Engineering periarticular defect reconstruction in primary knee arthroplasty – A logical and viable medium term solution
2. Total Hip Arthroplasty in acetabular protrusion – Does etiology changes outcomes?
3. CT Based multivariate statistical analysis of morphology and morphometry of calcaneum in north-western Indian population
4. Morphometric analysis of thoracolumbar junction (T11-L2) in western Indian population
5. Pain and Disability index in chronic low back pain patients with deranged spino-pelvic parameters

Membership/Post in Journal or Society or Association

1. SICOT, Active member
2. Indian Arthroplasty Association (IAA), Life member
3. MNAMS (National Academy of Medical Sciences), Life Membership

National/ International Conferences attended:

1. 41st SICOT Orthopaedic World Congress (Virtual), Budapest, September 2021
2. Ranawat Orthopaedic Conference 20th winter meeting – Advances and Techniques in Joint Replacement Surgery and Arthroscopy (Virtual), January 2022
3. 8th Trauma Conclave - American Association of Orthopedic Surgeons (AAOS) (Virtual), December 2021
4. Indian Orthopaedic Association Conference (IOACON), Goa, Dec 2021
5. Indian Society of Hip and Knee Surgeons (ISHK) Virtual National Conference – Hip and Knee arthroplasty, April 2022
6. Midterm ROSACON 2021 Virtual conference, July 2021

7. “One week online Basic Course on Biomedical Research”, February 2022
8. “One week online National Workshop on Time Series Analysis and Biostatistics”, July 2021
9. “SICOT-EOF Pioneer Live Webinar: Celebrating Century of Illizarov”, April 2021
10. “SICOT-UAOS Pioneer Live Webinar: The Complex Primary Total Hip Arthroplasty”, April 2021
11. “User Awareness – Oxford Journals ERMED Training Module”, AIIMS Jodhpur, July 2021
12. Completed Certified Peer Reviewer Introduction Course, June 2021
13. “Online National Workshop on Multivariate Analysis and Graphics with R Software”, June 2021
14. “One week online Faculty Development Program on Advanced Research Methodology Applicable in New Education Policy”, June 2021

Name of Faculty: Dr. Prabodh Kantiwal
Designation: Assistant Professor

Resource faculty:

1. ATLS Provider Course at AIIMS, Jodhpur

Research Project:

As Principal Investigator:

1. CT Based multivariate statistical analysis of morphology and morphometry of calcaneum in north-western Indian population - Principal Investigator

As Co- Investigator:

1. Morphometric analysis of thoracolumbar junction (T11-L2) in western Indian population – Co-Investigator
2. Pain and Disability index in chronic low back pain patients with deranged spino-pelvic parameters - Co-Investigator
3. 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 – Co-Investigator

Life Membership:

1. Indian Orthopaedic Association (IOA) – (LM - 13234)
2. International Society for Knowledge for Surgeons on Arthroplasty and Arthroscopy (ISKSAA) – (LM – 1998)
3. Association for the Study of Application and Methodology of ILIZAROV (ASAMI-INDIA) – (LM – 652)

Department of Otorhinolaryngology

S.No.	Name	Designation
1	Dr. Amit Goyal	Professor and Head of Department
2	Dr. Bikram Choudhury	Additional Professor
3	Dr. Kapil Soni	Associate Professor
4	Dr. Vidhu Sharma	Assistant Professor

About the Department

The year 2021-22 was a challenging one for the Department of Otorhinolaryngology. As the country and the world entered the second year of the COVID-19 pandemic, the beginning of April heralded a sudden explosion of invasive fungal rhinosinusitis cases in India, with Rajasthan being amongst the worst hit states. The next few months saw the institute battling a *Mucormycosis* epidemic with Rhino-orbito-cerebral Mucormycosis (ROCM) being the predominant presentation. The sudden and unprecedented rise in the number of cases of this surgical epidemic led to a dearth of antifungals across the country, creating an obstacle to the management of such patients. However, prompt action by the authorities averted this crisis within no time making the institute amongst the foremost ones successfully managing the epidemic. The Department managed it at war footing, setting protocols for screening, rapid identification and diagnosis and immediate initiation of adequate medical therapy accompanied by surgical debridement. The model developed here was appreciated & adapted by other Institutes also. Dedicated teams comprising faculty and residents were allotted for management of such patients in different areas such as OPD, wards and OTs with separate teams managing COVID-19 positive patients in the designated areas of the hospital. With a rigorous follow up strategy, the institute was able to manage the epidemic with a low mortality rate of 14.3%. Till 31st March 2022, the institute had taken care of 292 patients of Invasive Mucormycosis.

We had participated in many public awareness sessions organized by various Radio and TV Channels apart from newspaper interviews regarding mucormycosis.

Despite the surgical epidemic, the departmental academic activities were resumed after a brief hiatus. Six posters were presented by our residents in SKULLBASECON 2021 held at AIIMS Jodhpur in October 2021. Three posters and three papers were presented by our residents in AOICON 2022 held at Ranchi in January 2022, of which one resident won the second prize in poster presentation. We are able to inculcate a culture of innovation amongst the residents with First patent being granted being a big momentous occasion.

The Department has a large number of publications in reclaimed indexed journals showcasing its academic ability despite clinical challenges in the form of Invasive Mucormycosis epidemic! It includes the novel AIIMS Jodhpur staging system for staging of ROCM published in a high impact journal. Activities for motivation of Cochlear Implantee Kids and awareness for safe listening practices were also organized.

Compiled list of Publications of the department:

Papers

Pubmed Indexed:

1. Nair NP, Sharma V, Dixit A, Goyal S, Dixit SG, Goyal A, Misra S. Barrier enclosure in tracheostomy: A protective box for health care workers in COVID-19 Pandemic. J Laryngol Otol. 2022 Jan 20:1–3.

2. Sameema VV, Soni K, Deora S, Sharma JB, Choudhury B, Kaushal D, Chhabra S, Goyal A. Assessment of Preoperative and Postoperative Cardiac Function in Children with Adenotonsillar Hypertrophy – A Prospective Cohort Study. Eur Arch Otorhinolaryngol. 2022 Jun;279(6):3013-3019.
3. Soni K, Das A, Sharma V, Goyal A, Choudhury B, Chugh A, Kumar D, Yadav T, Jain V, Agarwal A, Garg M, Bhatnagar K, Elhence P, Bhatia PK, Garg MK, Misra S. Surgical & Medical Management of ROCM (Rhino-Orbito-Cerebral Mucormycosis) Epidemic in COVID-19 era and its Outcomes – a Tertiary Care Center Experience. J Mycol Med. 2022 May;32(2):101238.
4. Birda CL, Agarwal A, Goyal A. A rare case of hearing loss in a patient with ulcerative colitis. Inflamm Bowel Dis. 2022 Mar 30;28(4):e53-e54.
5. Yadav T, Tiwari S, Gupta A, Garg PK, Khera PS, Rajagopal R, Goyal A, Soni K, Chugh A, Jain V, Sureka B, Elhence P, Misra S. Magnetic Resonance Imaging in Coronavirus Disease - 2019 Associated Rhino-Orbital-Cerebral Mucormycosis (CA-ROCM) - Imaging analysis of 50 consecutive patients. Curr Probl Diagn Radiol. 2022;51(1):112–20.
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18. Kaushal D, Sharma V, Gugliani A, Soni K, Choudhury B, Patro SK, Singhal P, Goyal A. Otology training in India: Is it up to the mark? Indian J Otolaryngol Head Neck Surg (2021). https://doi.org/10.1007/s12070-021-02485-0
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20. Rajan N, Sharma V, Patro SK, Goyal A. Acute presentation of undiagnosed hereditary angioedema of larynx; averting death. Turk Arch Otorhinolaryngol 2020; 58(4): 279-81.
21. Kalra S, Mutreja P, Goyal A, Dixit A. A low-cost solution for converting existing Stethoscope into Tele-Stethoscope in Resource-Constrained Setting for COVID-19 pandemic. Accepted for publication in J Family Med Prim Care 2020.
22. Soni K, Bohra GK, Nair NP, Kaushal D, Patro SK, Goyal A. Sensorineural Hearing Loss in Dengue: A Pilot Study. Iran J Otorhinolaryngol. 2021 May;33(116):157–61.
23. Nalwa A, Khade S, Rao M, Aggarwal D, Sharma V, Chugh A (2021). Mucormycosis: An Epidemic Complicating the Covid-19 Pandemic. Oman Med J. DOI: 10.5001/omj.2023.16.
24. Kaushal D, Goyal A, Soni K, Sharma V (2021). Tackling Monster thyroids: Our Experience at a Tertiary Care Centre. Oral Oncol. 118:3.
25. Kaushal D, Soni K, Goyal A, Nair NP, Purohit P, Choudhury B, Elhence P. Intraoperative Parathormone Monitoring Guided Parathyroid Gland Excision in Sporadic Primary Hyperparathyroidism. July 2021 Oral Oncol 118:6-7.
26. Sharma V, Soni K, Goyal A. Locked Down, Not Left Out: Unplanned Telepractice Amid COVID! Otolaryngol Head Neck Surg. 2021 Sep;165(1)S:149.
27. Shekhawat J, Gauba K, Gupta S, Choudhury B, Purohit P, Sharma P, et al. Ten–eleven translocase: key regulator of the methylation landscape in cancer. Journal of Cancer Research and Clinical Oncology. 2021;147(7):1869-79.
28. Kalal N, Sharma SK, Soni K. Postoperative clinical nursing care pathway for patients with mucormycosis: An experience from a tertiary care hospital in Rajasthan, India. Nepal J Epidemiol. 2021 Dec 31;11(4):1095–102.
29. Nair, N.P., Sharma, V., Dixit, A. et al. Future Solutions for Voice Rehabilitation in Laryngectomees: A Review of Technologies Based on Electrophysiological Signals..Indian J Otolaryngol Head Neck Surg 2021 Feb 19;26(1).

Non-Pubmed Indexed:

1. Shakrawal N, Choudhury B, Soni K, Kaushal D, Goyal A. Hijab pin: Carinal invasion of a migrating airway foreign body. Accepted for publication in Ann Ind Acad Otorhinolaryngol Head Neck Surg 2021.
2. Shakrawal N, Choudhury B, Soni K, Kaushal D. A Colossal Rhinolith. Bengal Journal of Otolaryngology and Head Neck Surgery. 2021;29(1):94-7.

Workshops/ Conferences Organized

World Hearing Day 2022

Every year, the 3rd of March is celebrated as the World Hearing Day.This year the WHO had given the theme, 'To hear for life, listen with care', to draw attention to the fact that one in every two young adults suffers from noise induced hearing loss, which is irreversible but fortunately, preventable. Safe listening practices, such as, paying attention to the alert messages on you device when the volume exceeds the safe limit and not listening to volumes above 60%, staying away from loudspeakers during social and devotional gatherings, avoiding exposure to extremely loud sounds as in rock concerts or discotheques, using ear protection devices if working in a noisy environment and avoiding prolonged use of earphones - help in preventing noise induced damage caused to the hearing.

This year the Department of Otorhinolaryngology (ENT), All India Institute of Medical Sciences, Jodhpur organised poster and collage making and slogan writing competitions amongst school children of different schools in which around 100 students participated and displayed their artistic skills while creating awareness about safe listening practices.

The winners were felicitated at a Prize Distribution Ceremony held at AIIMS Jodhpur on 3rd March 2022.

In the same vein, the Department of ENT, AIIMS Jodhpur organised a street play in the OPD foyer wherein the message of avoiding exposure to loud sounds, safe listening practices while using personal listening devices such as mobile phones and the importance of using protective equipment was demonstrated in a relatable manner.

A radio talk was also given for public awareness about safe listening practices.



Enthusiastic participation in poster-making competition by school children of Jodhpur on World Hearing Day 2022



Exhibition showcasing works by school children during the painting competition, World Hearing Day 2022, AIIMS Jodhpur



Street play by resident doctors, Department of Otorhinolaryngology, OPD foyer, AIIMS Jodhpur on World Hearing Day 2022



Public awareness session, OPD foyer, World hearing Day 2022

Implan 2021

Every year 2nd October is celebrated in India as the birth anniversary of two of the founding fathers of our nation – Shri Mohan Das Karamchand Gandhi (fondly called 'Bapu' or Father of the Nation) and Shri Lal Bahadur Shastri (second Prime Minister of India). This year, the Department of Otorhinolaryngology celebrated this special day in a unique way with *specially abled* children. These children were either born with a hearing impairment or suffered from it in their infancy or early childhood rendering them unable to acquire speech and language skills. We invited the families of such children who had undergone cochlear implantation at our institute and are currently at different stages of language acquisition. Also, to encourage the parents of such children who are awaiting surgery, they were also included in the event to facilitate interaction between the families and children.

The program, 'Implan 21' was organized by the Department of Otorhinolaryngology in the Lecture Theatre at AIIMS Jodhpur in the morning hours of 2nd October 2021. The special guests were the children and their families, and the occasion was graced by our esteemed Director and Faculty members of various departments. Around 40 children attended the event with their parents and siblings and gave exceptional performances including poem recitation, folk dance, solo oration, candid conversations etc. The unique star attraction of the event was Divyashree, who co-hosted the event along with our resident doctors. She underwent bilateral cochlear implantation at our institute and with the tireless efforts and support of her parents, has turned into a confident, talented young girl who serves as a source of inspiration for all *differently abled* children.

After the heartwarming performances by the children, games such as 'Musical Chairs' were organized for the children and were wholeheartedly enjoyed by the participants and audience alike. An interactive session was conducted for the parents to resolve common problems faced by them in relation to implant usage. A motivational message was given by the parents of one of the cochlear implantees, sharing their struggles, fears and challenges, displaying the indomitable human spirit which is capable of overcoming all shortcomings and obstacles. Seeing these children laughing and dancing with their peers without a care in the world was a lesson to all of us that disability only lies in the mind, for nothing is unattainable with true grit and determination.

On such a positive note, the event was concluded by felicitating the children whose innocent smiles are still imprinted on our hearts.



Interactive session co-hosted by resident doctors of AIIMS Jodhpur and their patients with cochlear implants



Felicitation of patient-participants during Implan 2021, AIIMS Jodhpur



Parents of hearing-impaired children sharing their experience with cochlear implants, during the session

Name of Faculty: Dr. Amit Goyal
Designation: Professor & Head of Department

Books/Chapters:

1. Das N, Sharma V, Goyal A. Amphotericin induced Ototoxicity - An Odd Ball. In Complicated Cases in Vertigo and Dizziness Ed. Kacker S., Volume 3, New Delhi, Kontenworx, 2021.

Invited Lectures:

1. Diseases of Ear. National trainer for State Training of Trainers for Ayushman Bharat – Health & Wellness Centres conducted by National Health Systems Resource Centre (A technical support Institution with National Health Mission under Ministry of Health & Family Welfare, Government of India), 21st September, 2021 (Online).
2. Innovations in Otorhinolaryngologic Practice. Webinar by the Association of Otolaryngologists of India, February, 2022 (Online).

Symposium Speaker:

1. Innovations and Entrepreneurship for Medical Practitioners. 73rd Annual Conference of the Association of Otolaryngologists of India (AOICON 2021), 6th to 9th January, 2022, Ranchi (Online).
2. Tips & Pearls of Cochlear Implant Surgery. 125th Annual Meeting of the American Academy of Otolaryngology Head-Neck Foundation (AAOHNF), 3rd-6th October, 2021, Los Angeles (Online).
3. Juvenile Nasopharyngeal Angiofibroma – Tackling the Monster. 125th Annual Meeting of the American Academy of Otolaryngology Head-Neck Foundation (AAOHNF), 3rd-6th October, 2021, Los Angeles (Online).

Resource Faculty:

1. Cadaver dissection workshop on anterior skull base surgery. Annual Conference of the Skull Base Surgery Society of India. 22nd & 23rd October, 2021, AIIMS, Jodhpur.
2. Surgical Device Development Module of MMT, PhD and Dual degree courses by AIIMS Jodhpur and IIT Jodhpur.

Research Projects:

Ongoing:

As Principal Investigator

1. Expression of Beta Defensin in Head & Neck Cancers. AIIMS, Jodhpur.
2. Assessment of use of Protection Box for Tracheostomy during COVID-19 pandemic
3. Retrospective imaging evaluation of Covid-19 Associated Mucormycosis (CAM)
4. Prototype development and cadaver validation of modified tracheostomy tube. AIIMS, Jodhpur.

As Co-Investigator

1. Multi-centric project on Surveillance of Congenital Rubella Syndrome. ICMR.
2. Stenting versus no stents during Endoscopic DCR – a randomized study
3. Intraoperative paratharmone monitoring guided parathyroid gland excision in sporadic primary hyperparathyroidism
4. Assessment of use of Protection Box for Intubation/Extubation during COVID-19 pandemic

5. Perceptions about PPE during surgery in Covid 19 pandemic
6. Hearing loss in patients with COVID-19: A prospective case control study
7. Predictive value of various clinical specimens for the microbiological diagnosis of COVID-19 associated Mucormycosis at AIIMS Jodhpur
8. Isolate profiling and geographical distribution of cases of COVID-19 associated mucormycosis presenting to AIIMS Jodhpur
9. Imaging of Covid-19 associated Mucormycosis (CAM): A Pictorial Essay
10. Diagnosis of Invasive Fungal Infections in COVID and post COVID patients using conventional and molecular methods. ICMR.
11. Hearing loss in Dengue: A prospective case control study.

Completed:

As Principal Investigator

1. Locked Down but not Locked out! Challenges and opportunities in providing telepractice (speech therapy) for pre-lingual deaf paediatric cochlear implantees during COVID-19 pandemic in a resource constrained setting: Our Preliminary Experience.
2. A comparative review of Neuro-vascular swellings of Head & Neck
3. Minion to monster: spectrum of papillary carcinoma and lessons learnt

As Co-Investigator

1. To study factors affecting outcomes in managing tracheo bronchial foreign bodies
2. Risk Factors of Post-COVID-19 Rhino-Orbito-Cerebral Mucormycosis in India: Case-control study, 2021 – A Multicentric Study
3. Evaluation of Risk Factors, Management and Outcomes of Orbital involvement in COVID-19 associated Sinonasal Mucormycosis with Orbital involvement
4. Effect of prolonged use of face masks on nasal mucociliary functions
5. Changes in investigation and management patterns of ENT emergencies in a tertiary care hospital during COVID era. A retrospective review with historical controls
6. A retrospective analysis of factors affecting outcome in patients with rhinocerebral mucormycosis at AIIMS, Jodhpur
7. Evaluation of frequency of regulatory T cells in cases of oral Sq Cell Ca
8. Detection of 22q11.2DS in neonates suspected to have hearing loss detected during neonatal hearing screening – a pilot study. AIIMS, Jodhpur.
9. New-onset hyperglycaemia and prolonged systemic corticosteroids therapy in mild COVID-19 patients as major risk factors for invasive mucormycosis: a preliminary study
10. Surgical & Medical management of Rhino-orbito-cerebral mucormycosis in COVID-19 era and its outcome
11. Tracheostomy outcomes in COVID-19
12. Outcomes of Mucormycosis patients admitted in non-COVID-19 ICU of a tertiary care centre during the second wave

Scientific Awards/Patents:

1. Patent granted for “Automatic Speech Generation” on 26th October, 2021 vide Patent Number 380040 with Indian Patent Office – The first patent granted to both the Institutes (AIIMS Jodhpur as well as IIT Jodhpur).
2. Protective Box: Patent application no. 202011026019 dated 22nd November, 2021.

Examinership:

1. MS (ENT). SMS Medical College, Jaipur
2. MBBS. JIPMER Puducherry.
3. DNB Practical. UCMS, New Delhi
4. Paper setter for UG/PG for NBE and various INIs/Universities
5. Thesis evaluator for NBE and various INIs/Universities
6. Paper setter/Interviewer for various PSCs and Institutes.

National/ International Conferences attended:

1. Training of Trainers for Ayushman Bharat – Health & Wellness Centres conducted by National Health Systems Resource Centre (A technical support Institution with National Health Mission under Ministry of Health & Family Welfare, Government of India), 21st September, 2021(Online)..
2. SKULLBASECON. Department of Neurosurgery, AIIMS, Jodhpur, 22nd & 23rd October, 2021.
3. 125th Annual Meeting of the American Academy of Otolaryngology Head-Neck Foundation (AAOHNF), 3rd-6th October, 2021, Los Angeles (Online).
4. 73rd Annual Conference of the Association of Otolaryngologists of India (AOICON 2021), 6th to 9th January, 2022, Ranchi (Online).

Name of Faculty: Dr. Bikram Choudhury
Designation: Additional Professor

Invited Lectures:

1. Powered Instruments in Endoscopic surgeries in ENT. NECO – 2021 (National Endoscopic Conference in Otolaryngology)

Research Project:

Ongoing:

As Co-Investigator.

1. Hearing loss in Dengue: A prospective case control study.

Completed:

As Principal Investigator

1. Detection of 22q11.2DS in neonates suspected to have hearing loss detected during neonatal hearing screening – A Pilot Study.
2. Effect of prolonged use of face masks on nasal mucociliary functions.

As Co-Investigator

1. Surgical and medical management of ROCOM (Rhino-orbito-cerebral mucormycosis) in COVID-19 era and its outcome.
2. A retrospective analysis of factors affecting outcome in patients with rhinocerebral mucormycosis at AIIMS, Jodhpur.
3. New-onset hyperglycaemia and prolonged systemic corticosteroids therapy in mild COVID-19 patients as major risk factors for invasive mucormycosis: a preliminary studv

National/ International Conferences/Webinars attended:

1. NECO – 2021 (National Endoscopic Conference in Otolaryngology)

Name of Faculty: Dr Kapil Soni
Designation: Associate Professor

Papers Presented:

1. 'Locked down but not left out'. Poster presented at AAO-HNSF2021. Annual meeting and OTO experience, Los angeles, USA

Sessions Chaired:

1. Newer techniques in Rhinoplasty. Global Rhinoplasty Update held in Jaipur, Rajasthan on 5th and 6th March 2021
2. Invited Lectures

Invited Lectures:

1. Complications in Rhinoplasty. Global Rhinoplasty Update held in Jaipur, Rajasthan on 5th and 6th March 2021

Research Projects:

Ongoing:

As Principal Investigator

1. Hearing loss in Dengue: A prospective case control study
2. Histological analysis of upper lateral cartilage, lower lateral cartilage and the nasal septum and its relevance in nasal surgery.

As Co-Investigator

1. Magnetic Resonance Imaging in Coronavirus Disease - 2019 Associated Rhino-Orbital-Cerebral Mucormycosis (CA-ROCM) - Imaging Analysis of 50 Consecutive Patients
2. The Dilemma of Specimen Selection for Microbiological Diagnosis of Rhino-Orbital-Cerebral- COVID-Associated Mucormycosis (ROCM-CAM)

Completed:

As Principal Investigator

1. Surgical and medical management of ROCOM (Rhino-orbito-cerebral mucormycosis) in COVID-19 era and its outcome

As Co-Investigator

1. Evaluation of Risk Factors, Management and Outcomes of Orbital involvement in COVID-19 associated Sinonasal Mucormycosis with Orbital involvement
2. Effect of prolonged use of face masks on nasal mucociliary functions
3. A retrospective analysis of factors affecting outcome in patients with rhinocerebral mucormycosis at AIIMS, Jodhpur

4. Evaluation of frequency of regulatory T cells in cases of oral Sq Cell Ca
5. Detection of 22q11.2DS in neonates suspected to have hearing loss detected during neonatal hearing screening – a pilot study. AIIMS, Jodhpur.
6. New-onset hyperglycaemia and prolonged systemic corticosteroids therapy in mild COVID-19 patients as major risk factors for invasive mucormycosis: a preliminary study
7. Locked Down but not Locked out! Challenges and opportunities in providing telepractice (speech therapy) for pre-lingual deaf paediatric cochlear implantees during COVID-19 pandemic in a resource constrained setting: Our Preliminary Experience.
8. Minion to monster: spectrum of papillary carcinoma and lessons learnt Postoperative clinical nursing care pathway for patients with mucormycosis: An experience from a tertiary care hospital in Rajasthan, India

Examinership:

1. Undergraduate (M.B.B.S) Examiner, S.N Medical College, Jodhpur

Membership/Post in Journal or Society or Association:

1. Member; International Society of Auricular Reconstruction (ISAR)
2. Member; Association of Otolaryngologist of India (AOI)

National/ International Conferences attended:

1. FHNO Conference 2021 (Foundation for Head & Neck Oncology) held from 10th - 12th December 2021 on a virtual platform
2. International Society of Auricular Reconstruction conference held from 24-26th March 2022 on a virtual platform

Name of Faculty: Dr. Vidhu Sharma
Designation: Assistant Professor

Books/Chapters:

1. Das N, **Sharma V**, Goyal A. Amphotericin induced Ototoxicity - An Odd Ball. In: Complicated Cases in Vertigo and Dizziness, Kacker S (editor), 3rd edition, New Delhi, Kontentworx, 2021.

Papers Presented:

1. **Sharma V**, Soni K, Goyal A. Locked down, but not Left Out - Teletherapy for Cochlear Implantees during Covid-19 Pandemic. AAO-HNSF 2021 Annual Meeting & OTO Experience, 3rd-6th October 2021, Los Angeles, USA. (Virtual mode)

Research Projects:

Ongoing

As Co-Investigator

1. Prototype development and cadaver validation of modified tracheostomy tube
2. Assessment of use of Protection Box for Intubation/Extubation during COVID-19 pandemic

3. Hearing loss in patients with COVID-19: A prospective case control study
4. Predictive value of various clinical specimens for the microbiological diagnosis of COVID-19 associated Mucormycosis at AIIMS Jodhpur
5. Diagnosis of Invasive Fungal Infections in COVID and post COVID patients using conventional and molecular methods.
6. Risk factors of post-COVID-19 rhino-orbito-cerebral mucormycosis in India: Case control study, 2021 (Multicentric Study)

Completed

As Principal Investigator

1. Evaluation of Risk Factors, Management and Outcomes of Orbital involvement in COVID-19 associated Sinonasal Mucormycosis with Orbital involvement

As Co-Investigator

1. Locked Down but not Locked out! Challenges and opportunities in providing telepractice (speech therapy) for pre-lingual deaf paediatric cochlear implantees during COVID-19 pandemic in a resource constrained setting: Our Preliminary Experience.
2. Surgical & Medical management of Rhino-orbito-cerebral mucormycosis in COVID-19 era and its outcome

Scientific Awards/Patents:

1. Patent Applied for - Protective Box: Patent application no. 202011026019 dated 22nd November 2021.

Examinership:

1. Examiner for Surgical Device Development Module for students of MMT, PhD and Dual Degree course (run jointly by the AIIMS Jodhpur and IIT Jodhpur). AIIMS Jodhpur, 31st May 2021.

Membership/Post in Journal or Society or Association:

1. Life Member; The Cochlear Implant Group of India.
2. Life Member; Skull Base Surgery Society of India.
3. Life Member; IAOHNS
4. Life Member; The Association of Otolaryngologists of India (AOI).
5. Member; American Academy of Otolaryngology – Head & Neck Surgery.

National/ International Conferences attended:

1. SKULLBASECON 2021. Skull Base Surgery Society of India. AIIMS Jodhpur, 22nd-23rd October 2021.
2. AAO-HNSF 2021 Annual Meeting & OTO Experience, 3rd-6th October 2021, Los Angeles, USA (Online).

Department of Pathology & Lab Medicine

S. No.	Name	Designation
1	Dr. Poonam Elhence	Professor & Head
2	Dr. Abhishek Purohit	Associate Professor
3	Dr. Meenakshi Rao	Associate Professor
4	Dr. Aasma Nalwa	Associate Professor
5	Dr. Sudeep Khera	Associate Professor
6	Dr. Deepak Vedant	Assistant Professor
7	Dr. Vikarn Vishwajeet	Assistant Professor
8	Dr. Divya Aggarwal	Assistant Professor
9	Dr. Balamurugan T	Assistant Professor
10	Dr. Balamurugan T	Assistant Professor

About the Department

Keeping in pace with ever evolving field of Medicine, the Department of Pathology and Lab Medicine is striving forward with the aim of providing standard diagnostic services in health care, along with imparting best possible training and education to the postgraduate and undergraduate students and contributing to the field of research. The Department has fully operational Histopathology, Cytopathology, Clinical Pathology and Haematology services. Currently, the Department has a strength of nine faculty members, 23 post-graduate students, 11 senior residents, 2 Fellows for Cytopathology post-doctoral fellowship, 2 Fellows for Haematopathology post-doctoral fellowship, 1 Fellow for Renal pathology post-doctoral fellowship and 1 Fellow for Clinical Dermatopathology post-doctoral fellowship.

A large battery of tests are carried out in Haematopathology including almost all the essential Haematology and coagulation parameters, with regular quality control checks. A wide range of samples are received for analysis in cytopathology including cerebrospinal fluid, pleural fluid, bronchoalveolar lavage fluid, synovial fluid, sputum, urine, cervical smears, direct and guided aspirate smears from superficial and deep seated lesions. The specimens received in Histopathology include core needle biopsies, endoscopic biopsies and surgical resection specimens, in large numbers from various departments. The department offers a number of special stains and more than 120 antibodies for immunohistochemistry.

The workload has markedly increased as compared to the previous years. The following tests were carried out by the Department of Pathology from 1st April 2021 to 31st March 2022:

178450 Complete blood counts, 13860 Blood film morphology, 22650 ESR, 50700 Prothrombin Time, 18120 Activated Partial Thromboplastin Time, 3595 Fibrinogen, 416 Bone marrow examination, 6010 Reticulocyte count, 893 High performance liquid chromatography, 570 Factor VIII and 251 Factor IX assays, 384 Activated Protein C Resistance, 560 Anti-thrombin, 547 Protein C, 557 Protein S, 640 Lupus anticoagulant, 7700 D-Dimer, 60 Partial Thromboplastin Time- Lupus Anticoagulant, 155 Anticardiolipin antibody, 133 Anti-Beta 2 Glycoprotein 1, 80 Human Erythropoietin, 126 Serum Protein electrophoresis, 1361 Fine needle aspiration cytology, 4415 Fluid cytology, 2050 Cervical pap smears, 1573 Cytology cell blocks, 82 Review cytology cases, 15704 Special stains, 30275 Urine microscopy, 6 Semen analysis, 67502 Histopathology blocks, 367 Frozen section cases, 546 Review Histopathology cases, 10593 Immunohistochemistry, 229 Direct immunofluorescence, 20 Fetal autopsy and 41 Forensic autopsy cases.

An upright fluorescence microscope has been installed in view of increasing number of cases for immunofluorescence microscopy. The Department is also making steady progress in the field of molecular pathology, with standardization of advanced procedures such as Fluorescence in situ hybridization and RT-PCR for breast and lung cancer.

The faculty members, have expertise in various subspecialties. Along with the routine departmental reporting duties, faculty is actively involved in teaching of the postgraduate and undergraduate students, and interdepartmental sub specialty teaching of MCh. and DM students, as well as research activities. The department conducts regular teaching, grossing and microscopy sessions for the post-graduate students.

With the aim of providing expert doctors to the nation, and with the backup of well-trained faculty members and ample sample load from almost every specialty, the department has three new fellowships this year in addition to the fellowship in cytopathology which the department has already been running. These including fellowships in Clinical Dermatopathology, Haematopathology and Renal Pathology.

Publications:

Pubmed indexed:

1. Vishwajeet V, Purohit A, Kumar D, Vijayvergia P, Tripathi S, Kanchan T, Kothari N, Dutt N, Elhence PA, Bhatia PK, Nag VL. Evaluation of Liver Histopathological Findings of Coronavirus Disease 2019 by Minimally Invasive Autopsies. Journal of Clinical and Experimental Hepatology. 2022 Mar 1;12(2):390-7.
2. Pvsn KK, Tomo S, Purohit P, Sankanagoudar S, Charan J, Purohit A, Nag V, Bhatia P, Singh K, Dutt N, Garg MK. Comparative Analysis of Serum Zinc, Copper and Magnesium Level and Their Relations in Association with Severity and Mortality in SARS-CoV-2 Patients. Biological Trace Element Research. 2022 Jan 22:1-8.
3. Kumar A, Didel S, Khera D, Gupta A, Purohit A. Paroxysmal cold hemoglobinuria in a 7-year-old male child–Was it really cold induced? A diagnostic and management dilemma. Pediatric Hematology Oncology Journal. 2021 Dec 1;6(4):216-9.
4. Yadav P, Kumar D, Bohra GK, Garg MK, Bharti JN, Purohit AH, Meena DS. Progressive disseminated histoplasmosis in idiopathic CD4 lymphocytopenia an underdiagnosed combination-a case report. Medicine and Pharmacy Reports. 2021 Sep 24.
5. Purohit A, Vaswani S, Vishwajeet V, Kumar D, Vijayvergiya P, Tripathi S, Kanchan T, Kothari N, Dutt N, Elhence P, Nag V. Evaluation of Bone Marrow Findings of COVID-19 by Minimally Invasive Autopsies: A Single Tertiary Care Centre Experience from India. Indian Journal of Hematology and Blood Transfusion. 2021 Sep 20:1-6.
6. Bohra GK, Purohit A, Kumar D, Garg MK, Midha NK, Manglia R, Jain K, Didel S, Nag V, Sharma P, Sharma A. A Composite Study of Coagulation Milieu in Covid-19: Experience from a Tertiary Care Centre from India. Cardiovascular & Haematological Disorders-Drug Targets. 2021 Sep 1;21(3):185-95.
7. Yadav P, Kumar D, Meena DS, Midha NK, Bohra GK, Garg MK, Purohit AH. Post-Discharge Prophylactic Anticoagulation in COVID-19 Patients: A Clinical Dilemma. Cardiovascular & Haematological Disorders-Drug Targets (Formerly Current Drug Targets-Cardiovascular & Hematological Disorders). 2021 Sep 1;21(3):206-9.
8. Vishwajeet V, Purohit A, Kumar D, Parag V, Tripathi S, Kanchan T, Kothari N, Dutt N, Elhence PA, Bhatia PK, Nag VL. Evaluation of Pathological Findings of COVID-19 by Minimally Invasive Autopsies: A Single Tertiary Care Center Experience from India. Journal of Laboratory Physicians. 2021 Jun;13(02):097-106.

9. Purohit AH, Sarangi S, Kumar D, Bohra GK, Saha S, Pandey H. Is Priapism a Common Presentation of Chronic Myeloid Leukemia in an Adolescent Patient?. Cardiovascular & Haematological Disorders-Drug Targets (Formerly Current Drug Targets-Cardiovascular & Hematological Disorders). 2021 Jun 1;21(2):147-8.
10. Khera D, Didel S, Purohit A, Umashankar S, Ramzan M. Fatal chronic immune thrombocytopenia with co-existent type-1 neurofibromatosis. Journal of Clinical and Diagnostic Research. 2021 May;15(5).
11. Nalwa A, Khade S, Rao M, Aggarwal D, Sharma V, Chugh A. Mucormycosis: An epidemic complicating the Covid-19 pandemic. Oman Med J. 2021;10.5001/OMJ.2023.16
12. Mudugal R, Bains A, Budania A, Rao M. Cutaneous metastasis presenting as vesicular-like lesions. Dermatol Pract Concept. 2021;11:e20211061
13. Sarangi S, Rao M, Elhence P,Nalwa A, Khera S, Vedant D, Vishwajeet V, Vishnoi JR, Sharma N, Pareek P. Risk stratification of breast-fine needle aspiration biopsy specimens performed without radiologic guidance by application of the international academy of Yokohama system for reporting breast fine-needle aspiration cytopathology. Acta Cytol. 2021;65:483-93
14. Saraf P, Rao M, Khera S. Benign smooth muscle versus neural tumor of foot in an elderly male: A case with cytohistologic correlation. 2021. J Cytol; PP-388
15. Singh Y, Rao M, Arsha BS. Cytological diagnosis of echinococcosisin pleural fluid. 2021. J Cytol; PP-250.
16. Bharti S, Nalwa A, Elhence PA, Rao M, Bharti JN, Khera SK, Vedant D, Vishwajeet V. Risk stratification of pleural fluid cytology based on the international system for reporting serous fluid cytology in a tertiary care center. 2021. J Cytol; PP-64.
17. Gupta D, Nalwa A, Rao M. Diagnosis of Langerhans cell histiocytosis on fine needle aspiration cytology: report of two cases. 2021. J Cytol; PP-133.
18. Bharti JN, Elhence P, Rao M, Nalwa A, Khera S. Risk stratification by application of Milan system for reporting salivary gland cytopathology: A tertiary care experience. Cytojournal. 2021;18:19
19. Rao M, Rajendran M, Elhence P, Bharti JN, Singh P, Yadav G. Expression of programmed death ligant-1 and mismatch repair status in endometrial carcinomas. Virchows Archiv. 2021.
20. Yadav G, Rao M, Gothwal M, Singh P, Kathuria P, Sharma PP. Detection of nerve fibres in the eutopic endometrium of women with endometriosis, uterine fibroids and adenomyosis. Obstet Gynecol Sci. 2021;64:454-61.
21. Kumar M, Nalwa A, Yadav T, Elhence P, Pandey H, Rao M. Primary chondrosarcoma in L-shaped crossed fused renal ectopia co-existing with papillary urothelial carcinoma in urinary bladder. J Kidney Cancer VHL. 2021;9:9-14
22. Sarangi S, Rao M, Vishnoi JR, Garg PK. Primary clear cell carcinoma of gallbladder arising in porcelain gallbladder. BMJ Case Rep. 2021;14
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25. Jalan D, Gupta A, Elhence A, Nalwa A, Bharti JN, Elhence P. Primary aneurysmal bone cyst of the calcaneum: A report of three cases and review of literature. The Foot. 2021 Jun 1;47:101795.
26. Varshney B, Choudhary GR, Yadav T, Nalwa A. Sarcomatoid urothelial carcinoma of the bladder with osseous metaplasia: bone in urinary bladder. BMJ Case Reports CP. 2021 Apr 1;14(4):e240768.
27. Vishnoi, JR, Sasidhar A, Prakash K, Khera S, Pareek P, Misra S, Jain A(2021). Primary Synovial Sarcoma of the Anterior Chest Wall: a Rare Entity at Unusual Location—Case Report. SN Comprehensive Clinical Medicine. 3. 1-5. 10.1007/s42399-021-00821-7.

28. Sharma R, Khera S, Sinha A, Yadav T. Pure yolk sac tumor of sacrococcygeal region. Autopsy and Case Reports. 2021 May 24;11.
29. Khade S, Khera S, Elhence P, Vishnoi JR. Metaplastic breast carcinoma with extensive osseous differentiation. Autopsy and Case Reports. 2021 Sep 27;11.
30. Bharti S, Khera S, Sharma C, Balakrishnan A. Unilateral primary ovarian leiomyoma masqueraded as ovarian fibroma: A histopathological diagnosis. Journal of Family Medicine and Primary Care. 2021 Sep;10(9):3494.
31. Vedant D, Kaushal V, Gulati A. Cytological Diagnosis of Ocular Metastasis of Squamous Cell Carcinoma Cervix. J Cytol. 2021 Jul-Sep;38(3):171-173.
32. Bains A, Rajagopal VS, Vedant D, Elhence P. A Curious Case of Drug-induced Subacute Cutaneous Lupus Erythematosus. Indian Dermatol Online J. 2021 Aug 2;12(5):772-773.
33. Rajagopal S V, Bains A, Vedant D. Indurated yellowish-orange colored plaques over forearm in a middle-aged female. Int J Dermatol. 2021 May;60(5):e171-e173.
34. Elhence PA, Vedant D, Singh S, Pareek P. An Unusual Nodular Tumour of the Penile Shaft with Clinicopathologic and Immunohistochemical Correlation. Turk Patoloji Derg. 2022;38(1):70-72.
35. Bains A, Beniwal R, Vedant D, Elhence P. Dermoscopy of "Lichenoid Pseudovesicular Papular Eruption on Nose". Indian Dermatol Online J. 2021 Nov 22;12(6):950-951.
36. Bains, A., Singh, S., Dutt, N., Asfahan, S., Vedant, D. and Nalwa, A., Medicopsis romeroi infection presenting as disseminated nodules and sinuses in a patient with chronic rheumatoid arthritis. J. Eur. Acad. Dermatol. Venereol., 2021 35: e70-e72.
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45. Gupta D, Vishwajeet V, Ramzan M, Elhence PA. ALK-positive anaplastic large cell lymphoma of skeletal muscle masquerading as soft tissue sarcoma. BMJ Case Rep. 2022 Feb 7;15(2):e245685.
46. Rao S, Jain V, Bhattacharjee R, Vishwajeet V, Thakur G. Pyoderma gangrenosum at an episiotomy site in successive pregnancies: A case report. Case Rep Womens Health. 2021 Oct 22;32:e00365.
47. Varshney B, Vishwajeet V, Madduri V, Chaudhary GR, Elhence PA. Renal angiomyolipoma with epithelial cyst. Autops Case Rep. 2021 Aug 20;11:e2021308.
48. Bharti S, Vishwajeet V, Pandey H, Elhence PA. Villous adenoma of the renal pelvis: a common entity at an uncommon location. Autops Case Rep. 2021 May 6;11:e2021283.

49. Kumar S, Bansal YS, Mehta N, Nada R, Girdhar P, Vishwajeet V. Blunt-chest-trauma-induced acute myocardial infarction. Autops Case Rep. 2021 May 25;11:e2021263.
50. Pathania YS, Budania A, Lahoria U, Vishwajeet V. Recurrent and Persistent Lymphomatoid Papulosis in an Elderly Male with Hodgkin's Lymphoma. Am J Med. 2021 Nov;134(11):1362-1364.
51. Islam GMN, Yadav T, Khera PS, Sureka B, Garg PK, Elhence P, Puranik A, Singh K, Singh S. Abbreviated MRI in patients with suspected acute appendicitis in emergency: a prospective study. Abdom Radiol (NY). 2021 Nov;46(11):5114-5124.
52. Gadwal A, Modi A, Khokhar M, Vishnoi JR, Choudhary R, Elhence P, Banerjee M, Purohit P. Critical appraisal of epigenetic regulation of galectins in cancer. Int J Clin Oncol. 2022 Jan;27(1):35-44.
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54. Rao M, Dubey A, Pandey H, Sureka B, Garg PK, Bohra H, Elhence P. Neuroendocrine tumors of the urinary bladder - Report of two cases. Autops Case Rep. 2021 Aug 20;11:e2021305.
55. TK Jayakumar, Rathod KK J, Yadav T, Sinha A, Kumar M, Elhence P. Organ preserving laparoscopic resection of bladder rhabdomyosarcoma in a child. Journal of Pediatric Surgery Case Reports.Volume 73,2021
56. Khera PS, Garg PK, Babu S, Elhence P, Tiwari S, Nk S. Fibro Adipose Vascular Anomaly: A Rare and Often Misdiagnosed Entity. Indian J Radiol Imaging. 2021 Nov 13;31(3):776-781.
57. Yadav K, Sureka B, Elhence P, Choudhary GR, Pandey H, Garg PK, Yadav T, Khera PS. Can combined multiparametric magnetic resonance imaging of the prostate and prostate-specific antigen density improve the detection of clinically significant prostate cancer: A prospective single-center cross-sectional study. J Cancer Res Ther. 2021 Apr-Jun;17(2):372-378.
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59. Sharma R, Thirunavukkarasu B, Elhence P, Rodha MS, Sureka B. Eosinophilic Solid and Cystic Renal Cell Carcinoma: From Unclassified to Classified, A Case Report. Turk Patoloji Derg. 2022;38(1):60-65..
60. Singh P, Bansal S, Ghuman N, Elhence P. Fetus Acardiac Amorphous Presenting as Placental Tumor: A Rare Case and Differentiating the Two. J Med Ultrasound. 2021 May 14;29(4):281-283.
61. Singh S, Elhence P. Angio-tropic melanocytes: Possibly a distinctive finding in extra-facial acquired dermal melanocytosis. Indian J Dermatol Venereol Leprol. 2021 Apr 23:1-6.
62. Sharma R, Thirunavukkarasu B, Elhence P, Vishnoi JR. Invasive solid papillary carcinoma with invasive lobular and invasive breast carcinoma, no special type: a rare association. BMJ Case Rep. 2021 May 20;14(5):e243628
63. Sarangi S, Kala P, Boddeda TS, Elhence PA. Angiomyxolipoma: a rare variant over the forehead. BMJ Case Rep. 2021 Oct 13;14(10):e244450.
64. Bardia A, Elhence PA, Nag P, Pareek P. Thyroid Follicle-Like Cholangiocarcinoma in Liver: a Novel Variant and What We Know So Far? J Gastrointest Cancer. 2021 Jun;52(2):792-796.
65. Soni K, Elhence P, Kaushal D, Rajan N, Goyal A, Choudhury B, Sharma V. Correlation Between the Expression of Matrix Metalloproteinase-9, Matrix Metalloproteinase-13, Tissue Inhibitor of Metalloproteinases-1, p16 and Differentiation of Head and Neck Squamous Cell Carcinoma: A Prospective Observational Study. Ann Maxillofac Surg. 2021 Jan-Jun;11(1):58-63.
66. Meenal B, Meenakshi G, Pratibha S, Garima Y, Priyanka K, Poonam E. 46 XY Ovotesticular Disorder: A Rare Case Report with Review of Literature. Gynecol Minim Invasive Ther. 2021 Aug 3;10(3):171-173.

Non-Pubmed Indexed:

1. Ateriya N, Saraf A, Kanchan T, Shekhawat RS, Rao M, Setia P. Sudden cardiac death in an adolescent: A case of viral myocarditis. J Indian Acad Forensic Med. 2021;43:89-91
2. Yadav G, Singh P, Saini A, Rao M, Kathuria P, Gothwal M, Sharma C. Clinical spectrum of gestational trophoblastic disease in a tertiary care centre: A retrospective analysis. Oncol Case Rep J. 2021;4:1040
3. Meena SP, Puranik A, Garg PK, Rao M. Axillary giant cell lipoma with brachial plexus compression: Rare presentation with diagnostic dilemma and review of literature. J Med Evid. 2021 http:/doi.org/10.4103/JME.JME_119_20

Workshops/Conferences Organized

1. DSI Annual Virtual conference, AIIMS, Jodhpur, 14th-15th January 2022.

Eminent Visitors:

1. Professor Arvind Rajwanshi, Director AIIMS Raebareli
2. Professor Col. Venkatesan Somasundram, R & R Hospital New Delhi
3. Professor Surendra Verma, JIPMER, Puducherry
4. Professor Vaishali Suri, AIIMS New Delhi

Name of faculty : Dr. Poonam Elhence
Designation : Professor & Head

Papers/Posters Presented:

1. Twin tales of anaplastic ependymoma with extensive vacuolation/signet cell change and lipomatous differentiation. Presented online at Virtual conference conducted by AOCN-NPSICON at NIMHANS, Bangalore,10-11th September 2021.
2. Mucormycosis or sarcoidosis: a diagnostic conundrum amidst COVID-19 pandemic. Rashim Sharma, 48th Annual conference of KCIAPM, KAPCON 2021 (virtual), 1-3rd October 2021, Karnataka.
3. Pancreatic mixed neuroendocrine-non-neuroendocrine neoplasm (MiNEN) with annular pancreas- A rare tumour with a rare congenital anomaly. Virtual conference, APCON 2021, Chhattisgarh.
4. Concomitant adenoid cystic carcinoma and adenomyoepithelioma of breast: A rare scenario. Virtual conference, APCON, 3-5th December 2021, Chhattisgarh.
5. Distribution and clinicopathological characteristics of lymphoma in north-west India: A single institutional experience based on World Health Organization 2018 classification. Virtual conference, APCON, 3-5th December 2021, Chhattisgarh.
6. Low grade endometrial stromal sarcoma with extensive smooth muscle differentiation: morphology trumps immunohistochemistry. KAPCON 2021.
7. Prostatic carcinoma metastasis to umbilicus: Rare case report. CYTOCON 2021, AIIMS, New Delhi
8. Epithelial myoepithelial carcinoma of the parotid gland. Second prize for best poster- ASCICON 2021
9. Squash Cytology of Myxopapillary Ependymoma- A case report. CYTOCON 2021.
10. Squamous cell carcinoma cervix metastatic to pancreas- a rare case report. CYTOCON 2021.
11. Fibrosarcomatous differentiation in Dermatofibrosarcoma protuberans. DSI 2022. AIIMS, Jodhpur.
12. Congenital melanocytic nevus with giant cell reaction: a case report. DSI 2022, AIIMS, Jodhpur.

13. Primary YST of cerebellar vermis: a case report. AOCN-NPSICON 2021, NIMHANS, Bangalore,10-11th September 2021.
14. Oropharyngeal psammomatous melanotic schwannoma, Non-syndromic -An unusual tumour at an unusual site. AOCN-NPSICON2021, NIMHANS, Bangalore,10-11th September 2021.

Sessions Chaired:

1. Chairperson, Slide Seminar Session II, SERB-DST sponsored online workshop, Transmission Electron Microscopy in Life Sciences: Procedure and Applications, from 21st-26th June 2021, SGPGI, Lucknow.
2. Chairperson, Update on Prognostic Indicators of GIST. Updates on recent advances in GI pathology-CME cum workshop, PGIMER, Chandigarh- 17th-18th July 2021
3. Chairperson, Session 4. Pearls II (Dermatopathology in HIV, Vulvar dermatopathology, Cytology in skin diseases). 15th January 2022. DSI Annual Conference 2022, AIIMS, Jodhpur

Invited Lectures:

1. Interesting Cases -Interactive Session. 27th July 2021. National Board of Examinations (NBE), New Delhi
2. Flash presentation. Oropharyngeal psammomatous melanotic schwannoma, Non-syndromic -An unusual tumour at an unusual site. 25th September, 2021. AOCN-NPSICON. NIMHANS, Bangalore.
3. Interesting case Discussion, Salivary gland neoplasms, Cytology with Histopathological and IHC correlation. 50th Annual Conference of IAC, CYTOCON 2020-21. 19th-21st November, 2021. AIIMS, New Delhi
4. Approach to psoriasiform reaction pattern. 14th January2022. DSI Annual Virtual Conference 2022, AIIMS, Jodhpur

Research Project:

Ongoing:

As Co-Investigator

1. DIAMOnDS on breast and lung cancer. Extramural, DHR-ICMR
2. Comparison of HER-2-neu status by Fluorescent in situ hybridisation (FISH) and immunohistochemistry in invasive breast carcinoma. (intramural)
3. Spectrum of fungal rhinosinusitis on histopathological examination in western Rajasthan
4. (Intramural, AIIMS, Jodhpur), An ambispective study to look at specific patterns of infiltrate in Leprosy and non-Leprosy granulomatous dermatoses.

Completed:

As Co-Investigator:

1. Evaluation of pathological findings in autopsies of COVID-19 deaths at AIIMS, Jodhpur.

Examinership

1. MD thesis- PGIMER, Chandigarh, AIIMS, Patna, AIIMS, Raipur
2. Internal Examiner, 2nd Professional MBBS, December 2021, AIIMS, Jodhpur
3. Internal Examiner, PDF Cytopathology, September 2021, AIIMS, Jodhpur
4. Internal Examiner, MD Pathology & Lab Medicine, May 2021, AIIMS, Jodhpur
5. Internal Examiner, MD Pathology & Lab Medicine, December 2021, AIIMS, Jodhpur
6. External Examiner, MD, Pathology & Lab Medicine, November 2021, AIIMS, Rishikesh

7. External Examiner, 2nd Professional MBBS, March 2022, AIIMS Raebareli
8. External Examiner, 2nd Professional MBBS, March 2022, AIIMS, Gorakhpur
9. External Examiner, PDF, Cytopathology, PGIMER, Chandigarh, November 2021

National/ International Conferences attended:

1. Updates on recent advances in GI pathology- CME cum workshop, PGIMER, Chandigarh- 17th-18th July 2021. (Online)
2. 5th Annual National Conference, AOCN-NPSICON- NIMHANS, Bangalore, 10th-11th September 2021. (Online)
3. 50th Annual conference of IAC -CYTOCON 2020-21, AIIMS New Delhi, 19th-21st October 2021. (Online)
4. 69th Annual National conference, IAPM, APCON, Chhattisgarh, 3rd-5th December 2021. (Online)
5. DSI Annual Virtual conference, AIIMS, Jodhpur- 14th-15th January 2022. (Online)

Name of Faculty : Dr. Abhishek Purohit
Designation : Dr. Associate Professor

Books/Chapters:-

1. Clinical autopsy in COVID-19. Deepika Gupta,Vikarn Vishwajeet, Aasma Nalwa, Abhishek Purohit, Tanuj Kanchan. In The COVID-19 Pandemic and the Future: Virology, Epidemiology, Translational Toxicology and Therapeutics, Volume 1. The Royal Society of Chemistry
2. COVID-19 and Coagulopathy. Shruti Vaswani, Deepak Kumar, Gopal Krishana Bohra, Abhishek Purohit. In The COVID-19 Pandemic and the Future: Virology, Epidemiology, Translational Toxicology and Therapeutics, Volume 1. The Royal Society of Chemistry

Invited Lectures:

1. Immunohistochemistry in diagnosis of aggressive lymphoma. Haematocon, 62nd Annual Conference of Indian Society of Hematology & Blood Transfusion (ISHBT) on November 10th, 2021.

Symposium Speaker

1. Thrombotic thrombocytopenic purpura (As panelist in Panel Discussion), Live webinar S01E65 under the aegis of Mumbai Haematology Group on Sunday, August 15th, 2021

Research Projects:
Ongoing:
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. Iron status in healthy term breastfed infants in early infancy: A prospective cohort study
3. 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
4. “Clinical profile and outcome of children admitted in PICU with critical hemato oncological illness: A retrospective study in tertiary center in North-western India”
5. Clinical, biochemical and microbiological profile of paediatric acute leukemia patients having febrile neutropenia while on chemotherapy - a cross sectional study

6. Screening of pregnant mothers and newborns in aspirational district sirohi, Rajasthan. (Nidan Phase II)
7. Screening of sickle cell anemia in newborn, pregnant women (ANC) and family members in Rajasthan.

Completed:

As Principal Investigator

1. Evaluation of pathological findings in autopsies of COVID-19 deaths at AIIMS, Jodhpur

As Co-Investigator

1. Evaluation of alteration haemostatic and thrombotic milieu and its correlation with disease severity in COVID-19 patients
2. Long term follow-up of patients recovered from COVID-19 – A prospective cohort study
3. Evaluation of ultrastructural findings in clinical autopsies in COVID-19 deaths
4. 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
5. Endothelial dysfunction in children with CKD-associating circulating endothelial cells

Examinerships:

1. External Examiner, 2nd Professional MBBS, August 2021, Dr. S N Medical College, Jodhpur
2. External Examiner, 2nd Professional MBBS, February 2022, Government Medical College, Pali
3. External Examiner, PDCC, Hepato-Hematology, December 2021, ILBS, New Delhi
4. Internal Examiner, MD Pathology & Lab Medicine, December 2021, AIIMS, Jodhpur

Membership/ Post in Journal or Society or Association:

1. British society of Haematology
2. International Society of Thrombosis and Haemostasis

National/ International Conferences attended:

1. 62nd Annual Conference of the Indian Society of the Haematology & Blood Transfusion (ISHBT) – Haematocon 2021.

Faculty Name : Dr. Meenakshi Rao
Designation : Associate Professor

Papers Presented:

1. Rao M, Rajendran M, Elhence P, Bharti JN, Singh P, Yadav G. Expression of programmed death ligand-1 and mismatch repair status in endometrial carcinomas. 33nd Congress of the European Society of Pathology, Gothenburg (virtual), 29th-31st August 2021
2. Benign smooth muscle versus neural tumour of foot in an elderly male: A case with cyto-histological correlation. CYTOCON, 19th to 21st November, 2021
3. Cytological diagnosis of Echinococcosis in pleural fluid. CYTOCON, 19th to 21st November, 2021
4. Diagnosis of Langerhans cell histiocytosis on fine needle aspiration cytology: Report of two cases. CYTOCON, 19th to 21st November, 2021.
5. Risk stratification of pleural fluid cytology based on the international system for reporting serous fluid cytology in a tertiary care center. CYTOCON, 19th to 21st November, 2021

Sessions Chaired

1. Invited faculty, Indian Society of Colposcopy and Cervical Cytology (ISCCPP) webinar, 12th Mar, 2022.

Invited Lectures

1. Invited faculty, Indian Society of Colposcopy and Cervical Cytology (ISCCPP) webinar, 12th Mar, 2022.

Research Projects:

Ongoing:

As Principal Investigator

1. Mismatch repair deficiency and PD-L1 expression in urothelial carcinomas and renal cell carcinomas

As Co-Investigator :

1. PD-1 and PD-L1 expression in soft tissue 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. Spectrum of fungal rhinosinusitis on histopathological examination in western part of the country

Completed:

As Principal Investigator

1. Risk Stratification of breast FNAC specimens by application of the International Academy of Cytology Yokohama system (Non-funded)

As Co-Investigator

1. Immunohistochemical and histological characterization of mast cells in deaths associated with fatal asphyxia. (Institutional intramural research grant)
2. Diagnostic utility of various Immunohistochemistry markers with special emphasis on the role of novel marker PAX8 & PAX2 in primary & metastatic ovarian epithelial carcinoma. (Institutional intramural research grant)
3. The role of newly defined International system for reporting serous fluid cytopathology in a tertiary care centre in India and its clinical utility

Examinership

1. M.D. Pathology, external examiner for thesis evaluation in Pathology, Batch 2019, on 11th March, 2022 at Dr. S.N. Medical College, Jodhpur
2. MBBS, external examiner for practical examination of second M.B.B.S. (Main) Exam, Pathology, RUHS, held on 14th- 17th February, 2022 at Dr. S.N. Medical College, Jodhpur
3. B.Sc. MLT PART-II, external examiner the Rajasthan University of Health Sciences, Jaipur. Examination held on 21st and 22nd December, 2021 at Dr. S.N. Medical College, Jodhpur
4. PDF Cytopathology, internal Examiner, Exit Exam, September, 2021, at AIIMS, Jodhpur

Membership/Post in Journal or Society or Association

1. Member, European Society of Pathology

National/ International Conferences attended:

1. 33nd Congress of the European Society of Pathology, Gothenburg (virtual), 29th-31st August 2021

Name of Faculty : Dr. Aasma Nalwa
Designation : Associate Professor

Book Chapter:

1. Gupta D, Vishwajeet V, Nalwa A, Purohit A, Kanchan T. Clinical autopsy in COVID-19. In The COVID-19 Pandemic and the Future: Virology, Epidemiology, Translational Toxicology and Therapeutics, Volume 1. The Royal Society of Chemistry

Papers Presented:

1. Risk stratification of Pleural fluid cytology based on the International System for Reporting serous fluid cytology in a tertiary care center. Cytocon 2021
2. Synovial Sarcoma of pelvis clinically masquerading as an ovarian malignancy: a rare case report (Cytocon 2021)
3. Diagnosis of Langerhans cell histiocytosis on fine needle aspiration cytology: report of two cases (Cytocon 2021)
4. Solitary Fibrous Tumour of retroperitoneum: case report (IASO MIDCON 2022)

Research Project:

Ongoing:

As Co-Investigator

1. Evaluation of ultrastructural findings in clinical autopsies in COVID-19 deaths
2. 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
3. Mismatch repair status and PD-L1 expression in Urothelial carcinomas and Renal carcinomas
4. Short- term review of Pediatric nephrology services in an upcoming tertiary care centre-A retrospective analysis
5. Retrospective review of kidney biopsies in an upcoming pediatric nephrology unit

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. Non-funded
2. Co-chaperone BAG-3 expression in Uterine and Epithelial ovarian carcinomas (Intramural)

As Co-Investigator

1. Role of Cervical Cancer Biomarkers in triaging abnormal cervical cytology smear

Membership/Post in Journal or Society or Association

1. Core Committee member- Website and Communications Committee- Renal Pathology Society
2. Annual Member – Renal Pathology Society
3. Life Member- Indian Society of Renal and Transplantation Pathology
4. Member- Indian Association of Pathology and Microbiology

National/ International Conferences attended:

1. 4th International Renal Pathology Conference, Warsaw, Poland, Nov 19-21, 2021 (Online)

Faculty Name : Dr. Sudeep Khera
Designation : Associate Professor

Papers Presented:

1. Squamous cell carcinoma arising in a mature cystic teratoma with invasion into ileum APCON 2021 organized by IAPM –Chattisgarh chapter.(Virtual conference)
2. Solitary fibrous tumour in a paediatric patient at umbilical region masquerading as umbilical hernia KAPCON, 2021 (Virtual conference)
3. Saraf P, Rao M, Khera M. Benign smooth muscle versus neural tumour of foot in an elderly male: A case with cyto-histological correlation presented at CYTOCON 2021 (Hybrid mode conference)
4. Sharma R, Thirunavukkarasu B, Khera S, Elhence PA, Jha D, Yadav T.Twin tales of anaplastic ependymoma with extensive vacuolation/signet cell change and lipomatous differentiation presented online at Virtual conference conducted by NPSICON at NIMHANS, Bangalore on 10-11th September 2021
5. Leiomyoma cutis-Histopathology unveiling a rare tumour, presented at CUTICON 2021 held at AIIMS, Jodhpur.

Invited Lectures

1. Interesting case presentation, Elimination Of Cervical Cancer : From Research To Practice at AOGIN, 10th national conference, from December 3rd-5th , 2021 [Online]

Research Project:

Ongoing:

As Co-Investigator

1. Spectrum of fungal rhinosinusitis on histopathological examination in western Rajasthan, Non funded project
2. Comparison of HER-2-neu status by Fluoroscent in situ hybridisation(FISH) and immunohistochemistry in invasive breast carcinoma. Intramural project Funded by AIIMS, Jodhpur
3. Impact of needle gauge on sample adequacy & diagnosis of mediastinal lesions during endobronchial ultrasound guided transbronchial needle aspiration a retrospective observational study. Non funded project

Completed:

As Co-Investigator

1. Evaluation of histological changes in Skin, Skeletal Muscle, Lung, Liver & Kidney to determine Post-Mortem Interval, Non funded Intramural project, AIIMS, Jodhpur
2. Risk Stratification of Pleural Fluid Cytology Based on the International System for Reporting Serous Fluid Cytology in a Tertiary Care Centre.
3. Risk Stratification of Breast Fine-Needle Aspiration Biopsy Specimens Performed without Radiologic Guidance by Application of the International Academy of Cytology Yokohama System for Reporting Breast Fine-Needle Aspiration Cytopathology

Examinership

1. External examiner for 2nd Prof. MBBS examination at Govt. medical college, Pali, 10-12th February 2022

Membership/Post in Journal or Society or Association

1. Life membership of Indian society of Neuropathology

National/ International Conferences attended:

1. TAPCON 2021, IAPM- Tamilnadu & Puducherry chapter 4th-6th June,2021
2. KAPCON 2021, IAPM- Karnataka chapter, 1st -3rd October, 2021
3. APCON, 2021, IAPM 69th annual conference 3rd-5th December 2021

Name of Faculty : Dr. Deepak Vedant
Designation : Assistant Professor

Papers Presented:

1. Vedant D, Arora A, Anju G, Sharma R, Varshney VK, Yadav T, Elhence P. Pancreatic mixed neuroendocrine-non-neuroendocrine neoplasm (MiNEN) with annular pancreas- A rare tumour with a rare congenital anomaly.APCON 2021.

Invited Lectures:

1. Glass Slide Challenge, Annual Conference of Dermatopathology Society of India 2022, 14-15 January 2022. AIIMS Jodhpur

Resource Faculty:

1. DSI Annual Virtual conference, AIIMS, Jodhpur- 14th-15th January 2022.

Research Project:

Ongoing:

As Principal Investigator :

1. Comparison of HER2 neu gene status by Fluorescence in situ hybridization (FISH) and immunohistochemistry in invasive breast carcinoma. AIIMS Jodhpur

Completed:

As Co-Investigator:-

1. Role of Cervical Cancer Biomarkers in triaging abnormal cervical cytology smear
2. Risk Stratification of Pleural Fluid Cytology Based on the International System for Reporting Serous Fluid Cytology in a Tertiary Care Centre

National/ International Conferences attended:

1. APCON 2021
2. CYTOCON 2021
3. Annual Conference of Dermatopathology Society of India 2022

Name of Faculty : Dr. Vikarn Vishwajeet
Designation : Assistant Professor

Books/Chapters:

1. Gupta D, **Vishwajeet V,** Nalwa A, Purohit A, Kanchan T. Clinical autopsy in COVID-19. In The COVID-19 Pandemic and the Future: Virology, Epidemiology, Translational Toxicology and Therapeutics, Volume 1. The Royal Society of Chemistry

Papers Presented:

1. Erasmus syndrome: A case report. (virtual) 58th American Society of Dermatopathology Conference (virtual), October 20-24, 2021, Online.
2. Epithelial-Myoepithelial Carcinoma transitioning to Salivary duct carcinoma: Report of a Rare Case. 69th Annual Conference of Indian Association of Pathologists and Microbiologists. December 3rd-5th, 2021, Chhattisgarh, India
3. Utility of p53 and cyclin D1 in diagnosing early invasive Squamous cell carcinomas of the skin. Online Annual Meeting of the Dermatopathology Society of India. AIIMS Jodhpur, January 14 and 15, 2022
4. Immunohistochemistry as an ancillary aid in differentiating Endometrial from Cervical Adenocarcinoma. 17th World Congress of the International Federation of Colposcopy and Cervical Pathology-IFCPC 2021 (Virtual)
5. Foamy histiocytes and lepra bacilli in a lymph node aspirate: Case report. CYTOCON 2020-21. 19-21 November 2021.

Research Project:

Ongoing:

As Principal Investigator

1. Evaluation of ultrastructural findings in clinical autopsies in COVID-19 deaths, [Funding agency- Research Committee AIIMS Jodhpur], [Collaborating Institute- Indian Institute of Toxicologic Research, Lucknow]
2. Characterization of amyloidosis in diagnostic services using western blot technique and immunogold electron microscopy. [Funding Agency- Science and Engineering Research Board]
3. Spectrum of fungal rhinosinusitis on histopathological examination in Western part of the country

Completed:

As Co-Investigator:

1. Evaluation of Pathological findings in clinical autopsies of COVID-19 deaths at AIIMS Jodhpur
2. The role of newly defined international system for reporting serous fluid cytopathology in a tertiary care centre in India and its clinical utility
3. Risk stratification of breast FNAB specimens performed without radiologic guidance by application of the International Academy of Cytology Yokohama system for reporting breast cytopathology

Membership/Post in Journal or Society or Association

1. Member, International Society of Nephrology
2. Member, Indian Society of Pathologists and Microbiologists.
3. Reviewer, BMJ case reports
4. Reviewer, Indian Journal of Pathology and Microbiology.

National/ International Conferences attended:

1. Virtual Annual conference of Dermatopathology Society of India, Conducted by Department of Pathology, Christian Medical College, Vellore INDIA, Jan 15-16, 2021
2. 58th American Society of Dermatopathology Conference (virtual), 2021, Online. American Society of Dermatopathology. Onilne. October 20-24, 2021.
3. 69th Annual Conference of Indian Association of Pathologists and Microbiologists. Chhattisgarh. December 3rd-5th, 2021,
4. Online Annual Meeting of the Dermatopathology Society of India. AIIMS Jodhpur, January 14-15, 2022.

Name of Faculty : Dr. Divya Aggarwal
Designation : Assistant Professor

Papers Presented:

1. Low grade endometrial stromal sarcoma with extensive smooth muscle differentiation: morphology trumps immunohistochemistry" - KAPCON 2021.
2. Oropharyngeal psammomatous melanotic schwannoma, Non-syndromic - An unusual tumour at an unusual site- NPSICON 2021
3. Prostatic carcinoma metastasis to umbilicus: Rare case report- CYTOCON 2021
4. Epithelial myoepithelial carcinoma of the parotid gland- second prize for best poster- ASCICON 2021
5. Squamous cell carcinoma cervix metastatic to pancreas- a rare case report- CYTOCON 2021
6. Fibrosarcomatous differentiation in Dermatofibrosarcoma protuberans- DSI 2022
7. Congenital melanocytic nevus with giant cell reaction: a case report- DSI 2022
8. Spectrum of eccrine tumours: a 5 years' retrospective study from a tertiary care centre. - DSI 2022
9. Histopathological findings in cutaneous infections: a clue to pathogenic organisms? - DSI 2022
10. Primary YST of cerebellar vermis: a case report- NPSICON 2021

Invited Lectures

1. Speaker in- Updates on recent advances in GI Pathology- CME cum workshop, 17-18 July 2021 by PGIMER, Chandigarh- Topic- Gut microbiome in health and disease

Resource Faculty:

1. DSI Annual Virtual conference, AIIMS, Jodhpur- 14^{th}-15^{th} January 2022.

Membership/Post in Journal or Society or Association

1. Membership of National academy of Medical sciences- MNAMS

National/ International Conferences attended:

1. Interesting cases in CNS tumors- DY Patil Medical college, Kohlapur- Online- 12 April 2021
2. ISNOCON- CMC Vellore- Online- 15 to 17 April 2021
3. IAP-ID workshop on muscle biopsy pathology- Nizams institute of medical sciences, Hyderabad- 24-25 April 2021
4. AAPUD- AIMS, Kochi, Kerala- 15 to 17 July 2021
5. Updates on recent advances in GI pathology- CME cum workshop, PGIMER, Chandigarh- 17-18 July 2021

6. NPSICON- NIMHANS, Bangalore- 10-11 Sep 2021
7. KAPCON- Karnataka chapter of IAPM- 1-3 October 2021
8. CYTOCON- AIIMS New Delhi- 19-21 October 2021
9. APCON- Chattisgarh- 3-5 Dec 2021
10. IAP-ID annual conference- Chattisgarh- 2 Dec 2021
11. Annual conference of DSI- AIIMS, Jodhpur- 14-15 Jan 2022

Name of Faculty : Dr. Balamurugan T
Designation : Assistant Professor

Papers Presented:

1. Rashim Sharma, Balamurugan Thirunavukkarasu, Sudeep Khera, Poonam Abhay Elhence, Deepak Jha, Taruna Yadav. Twin tales of anaplastic ependymoma with extensive vacuolation/signet cell change and lipomatous differentiation; Virtual conference conducted by NPSICON, 10-11th September 2021, NIMHANS, Bangalore.
2. Tanya Garg, Balamurugan Thirunavukkarasu, Poonam Abhay Elhence, Puneet Pareek, Bharti Devnani. Concomitant adenoid cystic carcinoma and adenomyoepithelioma of breast: A rare scenario. Virtual conference conducted by APCON, 3-5th December 2021, Chhattisgarh.
3. Yasmeen Singh, Balamurugan Thirunavukkarasu, Poonam Abhay Elhence, Deepak Vedant. Distribution and clinicopathological characteristics of lymphoma in north-west India: A single institutional experience based on World Health Organization 2018 classification. Virtual conference conducted by APCON, 3-5th December 2021, Chhattisgarh.
4. Rashim Sharma, Balamurugan Thirunavukkarasu, Poonam Abhay Elhence, Amit Goyal, Palak Gupta, Sarbesh Tiwari. Mucormycosis or sarcoidosis: a diagnostic conundrum amidst COVID-19 pandemic. 48th Annual conference of KCIAPM, KAPCON 2021 (virtual), 1-3rd October 2021, Karnataka.

Resource Faculty:

1. Immunopathology workshop. The Indian Society for Heart and Lung Transplantation (INSHLT 2021), 26th November 2021, AIIMS, New Delhi (Virtual)
2. Consensus Document on Management of Melanoma, 3rd December, 2021, ICMR (Virtual)

Membership/Post in Journal or Society or Association

1. Indian Association of Pathologists and Microbiologists

National/ International Conferences attended:

1. 5th Annual National conference of Neuropathology Society of India (NPSICON) (Virtual), NIMHANS, Bangalore, 10-11th September 2021.
2. 69th Annual National Conference of Indian Association of Pathologists and Microbiologists (IAPM), APCON (Virtual), Chhattisgarh, 3-5th December 2021.
3. 48th Annual conference of KCIAPM, KAPCON 2021 (Virtual), Karnataka, 1-3rd October 2021.
4. 2nd Annual meeting of The Indian Society for Heart and Lung Transplantation (INSHLT 2021), (Virtual), AIIMS, New Delhi, 26th November 2021.
5. 50th Annual conference of Indian Academy of Cytologists (CYTOCON), AIIMS New Delhi, 19-21st November, 2021

Department of Pediatric Surgery

S. No.	Name	Designation
1	Dr. Arvind Sinha	Professor and Head
2	Dr. Manish Pathak	Additional Professor
3	Dr. Kirtikumar Rathod	Additional Professor
4	Dr. Avinash S Jadhav	Associate Professor
5	Dr. Rahul Saxena	Associate Professor
6	Dr. Shubhlaxmi R Nayak	Assistant Professor

About the Department :

The department of pediatric surgery has contributed to all the aspects of patient care, teaching, and research. After abatement of the COVID 19 world-wide pandemic and resumption of routine OPD and IPD services, the department has completed a significant number of waiting surgeries. The department has been successful in establishing its place in the specialties of Pediatric Urology, Robotics, and Pediatric Minimal Invasive surgery. The department catered to around 5000 patients in OPD, 2000 patients in IPD, and operated around 1200 patients. Around 300 patients were operated for various urological problems.

The department has started six bedded NICU and 2 bedded PICU dedicated to surgical patients which will further enhance the efficacy of the department. The department has emerged as the referral center for children with solid tumors. This year the department has treated around 40 tumor patients with chemotherapy and surgery.

Prof. Arvind Sinha was elected Executive Committee member – North zone, for Indian Association of Pediatric Surgeons (IAPS). He played a pivotal role in organizing the e-IAPSCON 2020. He has qualified as an instructor in Advanced Trauma Life Support (ATLS) – American College of Surgeons.

The department has always been at the forefront in undergraduate teaching and is regularly conducting lectures, PBL, and UNCLE. Two new M.Ch residents have joined the department 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. The residents presented several oral papers, posters, and video presentations in various international and national presentations.

Dr. Manish Pathak is nominated as Member of the Specialist Board of Pediatric Surgery, National Board of Examinations in Medical Sciences, Ministry of Health and Family Welfare, Government of India, and Specialty Committee Member (Pediatric Surgery) for rationalization of Pediatric Surgery Packages Ayushman Bharat Pradhan Mantri Jan Arogya Yojna, National Health Authority, Government of India. He was elected as Executive Member, West Zone, Surgical Oncology Section of IAPS. He has published 20 papers in Pubmed indexed Journals and has written 4 book chapters last year. He has delivered a few guest lectures and has organized many guest lectures on virtual platforms as an Exective Member of the Surgical Oncology Section.

Dr. Kirtikumar J Rathod was elected as Executive Committee Member of the Indian Association of Pediatric Surgeons. He received the Gold Medal award in AMASICON 2021 for best paper in minimal access surgery, a Best poster of the conference award at ESPES 2021 Switzerland ad was awarded the free membership of ESPES. He received two Best paper awards for “Study of factors causing parental anxiety and depression in primary caregivers during surgical management of a child” and “Point of Care Improvement in Pediatric Surgical Ward Rounds After Implementation of Checklist” at 47th Annual conference of Indian Association of Pediatric Surgeons (IAPSCON 2021) on virtual platform, 22-24 October

2021. He was selected as an international faculty member for European Society of Pediatric Endoscopic Surgery (ESPES) for its annual masterclass in pediatric MIS.

Dr. Avinash S Jadhav was elected as Executive Member West Zone, Society of Pediatric Urology- IAPS. He was moderator of Urology session in PESICON 2021 and resource faculty for the live operative workshop. He wrote two chapters in textbooks.

Dr. Rahul Saxena was awarded the prestigious FACS, Fellow of the American College of Surgeons. He received membership in the Global Initiative of Children Surgery, Headquarters Oxford, UK, and Membership in the European Society of Pediatric Endoscopic Surgeons (ESPES). He has published fourteen scientific papers in indexed journals and also presented four papers at the international conference of the European Society of Pediatric Endoscopic Surgeons (ESPES). He received the best paper award for "The mirage of hemangioma- a rare case of congenital infantile fibrosarcoma" in the 47th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS), E-IAPSCON held from 22nd-24th October 2021. He was selected as an international faculty member for the European Society of Pediatric Endoscopic Surgery (ESPES) for its annual masterclass in pediatric MIS.

Dr. Shubhalaxmi R Nayak joined the department as an Assistant Professor on 12th August 2021. She received the prestigious "Purushottam Upadhyaya Award" for "Best clinical research paper" for the year 2021 at the 47th Annual Conference of the Indian Association of Pediatric Surgeons (IAPSCON 2021) for the paper titled: "TIMP-2 as a non-invasive urinary marker for predicting neurogenic bladder in patients under follow-up for spina bifida." She has moderated and chaired several sessions at IAPSCON 2021 on a virtual platform, 22-24 October 2021.

Compiled list of Publications of the department:

Papers

Pubmed Indexed:

1. Sinha A, Pathak M, Vig A, Saxena R. Robotic surgery in paediatric patients: Our initial experience and roadmap for successful implementation of robotic surgery programme. J Minim Access Surg.2021;17 :32-36
2. Garg PK, Khera PS, Pathak M, Mirza G, Saxena R, Yadav T. Arterio-Duodenal Fistula: A Rare Complication of Laparoscopic Choledochal Cyst Excision. J Indian Assoc Pediatr Surg. 2021; 26:57-59
3. Jayakumar TK, Pathak M, Sinha A. Outcomes of event-free survival in patients with Wilms tumor undergoing preoperative chemotherapy. Analysis of lymph-node yield in a single-center cohort. J Pediatr Urol.2021;17:228-229.
4. Jayakumar TK, Pathak M. The clinical manifestations of intermittent hydronephrosis and their relationship with renal function in pediatric patients. J Pediatr Urol. 2021;17 :279-280.
5. Menon R, Pathak M, Sinha A, Saxena R. Correspondence to "Duplex systems: Top-Down or bottom-up approach?". J Pediatr Urol. 2021;17:134-135.
6. Sinha A, Saxena R, Pathak M, Rodha MS. Conjoined Thoracopagus Twins - Our Experience of Successful Separation. J Indian Assoc Pediatr Surg.2021;26:354-357.
7. Saxena R, Pathak M, Sinha A, Thummalapati JK. Single perineal opening with 'H-type' cecovesical fistula and blind-ending foreshortened distal colon: a new variant of persistent cloaca. BMJ Case Rep.2021;14 :e236364.
8. Rathod KJ, Sikchi R, Vig A, Jadhav A, Saxena R, Pathak M, Bhatia P, Sinha A. Laparoscopic Inguinal Hernia Repair in Children: To Cut or Not to Cut is the Question? J Indian Assoc Pediatr Surg 2021;26:107-10
9. Vig, A., Rathod, K.J., Jadhav, A.S. Saxena R, Pathak M, Sinha A. Role of Laboratory Parameters in Preoperatively Predicting Perforated Appendicitis. Indian J Surg 2021; 84:136-40

10. COVIDSurg Collaborative, GlobalSurg Collaborative. SARS-CoV-2 vaccination modelling for safe surgery to save lives: data from an international prospective cohort study. Br J Surg. 2021;108:1056-1063
11. COVIDSurg Collaborative; GlobalSurg Collaborative. Timing of surgery following SARS-CoV-2 infection: an international prospective cohort study. Anaesthesia. 2021;76:748-758.
12. COVIDSurg COVIDSurg Collaborative; GlobalSurg Collaborative. Effects of pre-operative isolation on postoperative pulmonary complications after elective surgery: an international prospective cohort study. Anaesthesia.2021;76:1454-1464.
13. Aithal S, Tk J, Pathak M, Sinha A. Letter to the Editor: In response to Recurrence after laparoscopic high ligation in adolescents: A multi-center international retrospective study of ten hospitals. J Pediatr Surg.2021;15:S0022-3468(21)00478-4.
14. Agrawal T, Tk J, Pathak M, Sinha A. Letter to 'Clinical diagnostic predictive score for Meckel diverticulum'. J Pediatr Surg. 2021;10:S0022-3468(21)00492-9.
15. Collaborative; GlobalSurg Collaborative. SARS-CoV-2 infection and venous thromboembolism after surgery: an international prospective cohort study. Anaesthesia. 2022 ;77:28-39. doi: 10.1111/anae.15563. Epub 2021 Aug 24. PMID: 34428858; PMCID: PMC8652887.
16. Motiwala T, Sinha A, Rathod KJ, Manchanda V, Yadav T, Jadhav A, Pathak M, Saxena R. Correlation of urethral ratio and bladder wall thickness with cystoscopic findings in posterior urethral valve patients to assess residual valves. J Indian Assoc Pediatr Surg 2022; 27: 53-59
17. Pathak M., Saxena R., Patel H., Sinha A. Primary acquired cicatrizing gastric outlet obstruction in children. J Indian Assoc Pediatr Surg 2022;27:38-41
18. Pathak M, Saxena AK. Laparoscopic management of common cloaca: Current status. J Pediatr Urol. 2022; 19:S1477-5131(21)00598-2
19. Jayakumar TK, Jadhav A, Pathak M, Sinha A. Visual impression of the colon over giant hydronephrosis in a child: A case report. Int J Surg Case Rep. 93:106927.
20. A Vig, KJ Rathod, AS Jadhav, M Pathak, R Saxena, A Sinha Role of Laboratory Parameters in Preoperatively Predicting Perforated Appendicitis. Indian Journal of Surgery 2022; 84 (1), 136-140
21. T Motiwala, A Sinha, KJ Rathod, V Manchanda, T Yadav, A Jadhav, Pathak M, Saxena R. Correlation of urethral ratio and bladder wall thickness with cystoscopic findings in posterior urethral valve patients to assess residual valves., Journal of Indian Association of Pediatric Surgeons 2022;27 (1), 53

Non-Pubmed Indexed:

1. S Bhatt, TK Jayakumar, R Sikchi, A Goel, KJ Rathod. Systematic review and meta-analysis of vascular hitch efficacy for pelvi-ureteric junction obstruction due to lower pole crossing vessels.. Journal of Pediatric Endoscopic Surgery 2021; 3 (4), 193-198
2. Pathak M, Sinha A. (2021) Pediatric urology in the era of COVID-19. J Ped Endosc Surg. 2:1–8.
3. Pathak M., Saxena, A.K. One-stage and two-stage laparoscopic assisted anorectoplasty (LAARP) for anorectal malformations (ARM). 2021; *J Ped Endosc Surg* 3, 115–121
4. K Shreyas, KJ Rathod, A Sinha. Management of high inguinal undescended testis: a review of literature. Annals of Pediatric Surgery 2021;17 (1), 1-9
5. TK Jayakumar, KJ Rathod, T Yadav, A Sinha, M Kumar, P Elhence. Organ preserving laparoscopic resection of bladder rhabdomyosarcoma in a child. Journal of Pediatric Surgery Case Reports 2021; 73, 102002
6. A Vig, KJ Rathod, N Gupta, K Kumari, A Sinha. (2021) Laparoscopic treatment of annular pancreas in a neonate. Journal of Pediatric Surgery Case Reports 2021; 71, 101914

Eminent Visitors:

1. Dr. YK Sarin, Professor and Head, Department of Pediatric Surgery, Lady Hardinge Medical College, New Delhi
2. Dr. Bindey Kumar, Professor and Head, Department of Pediatric Surgery, AIIMS, Patna

Name of Faculty: Dr. (Prof) Arvind Sinha
Designation: Professor and Head

Papers Presented:

1. Saxena RR, Sinha A, Pathak M, Rathod KK, Jadhav AS. Challenges in minimally invasive choledochal cyst surgery. XI European Society of Pediatric Endoscopic Surgeons (ESPES) Annual Congress 2021. Lugano, Switzerland, Sept 15 -17, 2021.
2. Saxena RR, Sinha A, Pathak M. Laparoscopic Ureterocalicostomy: a feasible option for pediatric patients. XI European Society of Pediatric Endoscopic Surgeons (ESPES) Annual Congress 2021. Lugano, Switzerland, Sept 15 -17, 2021. Urology Session 09:40 - 09:45
3. Saxena RR, Suchiang BC, Rathod K, Sinha A. Laparoscopic mesh sacrocolpopexy in a case of prolapsed neovagina in a teenager. XI European Society of Pediatric Endoscopic Surgeons (ESPES) Annual Congress 2021. Lugano, Switzerland, Sept 15 -17, 2021. Miscellaneous Session. 16:45 - 16:50
4. Saxena RR, Suchiang BC, Rathod K, Sinha A. Laparoscopic cortical preserving adrenalectomy for right-sided pheochromocytoma. XI European Society of Pediatric Endoscopic Surgeons (ESPES) Annual Congress 2021. Lugano, Switzerland, Sept 15 -17, 2021. Miscellaneous Session. 17:05 - 17:10. 16th September 2021.
5. Shreyas K, Pathak M, Saxena R, Rathod K, Jadhav A, Sinha A. Implementation of the ERAS protocol in Pediatric acute uncomplicated appendicitis. 47th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS), E-IAPSCON held from 22nd-24th October 2021
6. Shreyas K, Jadhav A, Rathod K, Pathak M, Saxena R, Sinha A. Study of the effect of Multimedia teaching tool on Parental anxiety and comprehension of Informed consent in Pediatric surgical day care procedures. 47th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS), E-IAPSCON held from 22nd-24th October 2021.
7. Saxena R, Shreyas K, Pathak M, Sinha A. A systematic review on various etiologies, diagnosis, and management of acquired Tracheoesophageal fistula (TEF) in children. 47th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS), E-IAPSCON held from 22nd-24th October 2021.
8. Bhatt S, Saxena R, Balamurugan T, Sinha A. The mirage of hemangioma- a rare case of congenital infantile fibrosarcoma. 47th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS), E-IAPSCON held from 22nd-24th October 2021.
9. Bhatt S, Saxena R, Sinha A, Pathak M, Rathod K, Jadhav A. Comparison of clinical diagnosis with intraoperative findings for the severity of appendicitis in children. 47th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS), E-IAPSCON held from 22nd-24th October 2021.
10. Motiwala T, Pathak M, Rathod KJ, Jadhav A, Saxena R, Sinha A. Parental knowledge about surgical wound care among pediatric patients in India. 47th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS), E-IAPSCON held from 22nd-24th October 2021.
11. Vig A, Rathod KJ, Jadhav A, Pathak M, Saxena R, Sinha A. Study of factors causing parental anxiety and depression in primary caregivers during surgical management of a child. 47th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS), E-IAPSCON held from 22nd-24th October 2021.

Sessions Chaired:

1. Chairperson of the IAPSCON 2021 – Pre-conference CME on 17th Oct. 2021 , Mumbai.
2. Chairperson of the 16th Annual Conference of Minimal Access Surgeons of India (AMASICON 2021) from 26th to 28th Nov. 2021, New Delhi

Resource Faculty:

1. IAPSCON 2021 – Pre-conference CME on 17th Oct. 2021 at Mumbai.

Research Project:

Ongoing:

As Principal Investigator

1. To evaluate the challenges faced by the healthcare team during the elective surgeries performed during COVID-19 pandemic in pediatric population.
2. Comparison of Pediatric Surgical Emergencies before and after COVID-19 pandemic

As Co-Investigator

1 Nephron sparing surgery in Management of Non-syndromic unilateral Wilms tumor. Collaborating Institute – Lady Hardinge Medical College, New Delhi

2 Comparison of outcome in pediatric stented hypospadias repair with continuous antibiotic prophylaxis versus no post-operative prophylaxis.

3 To evaluate the effect of tourniquet use and local injection of adrenaline in hypospadias surgery in the histopathological and biochemical examination and its impact on the outcome of surgery in pediatric population.

4 To study the effect of duration of indwelling urinary catheter on surgical outcome following tubularized incised plate repair in patients with distal hypospadias.

5 Histological Changes in Penile tissues due various hemostatic method used during hypospadias operation.

6 Role of preoperative splenectomy artery embolization before splenectomy in children.

Examinership

1. To assist the Standing Selection Committee of the AIIMS, Jodhpur as an Internal Expert for selection of Faculty at the post of Assistant Professor in Department of Pediatric Surgery on 22nd June 2021.
2. Invited as an external examiner for M.Ch Pediatric Surgery annual exam at Maulana Azad Medical College, New Delhi on 16th & 17th Aug. 2021.
3. External examiner for DM/M.Ch. Pediatric Surgery Degree Practical/Clinical/Oral Examinations at JIPMER, Puducherry on 13th & 14th Dec. 2021.

Membership/Post in Journal or Society or Association

1. Executive Committee (EC) Member of Indian Association of Pediatric Surgeons (IAPS)

National/ International Conferences attended:

1. XI ESPES annual congress 2021 at Lugano, Switzerland from 15th Sept. to 17th Sept. 2021
2. IAPSCON 2021 – Pre-conference CME on 17th Oct. 2021 at Mumbai.
3. 16th Annual Conference of Minimal Access Surgeons of India (AMASICON 2021) from 26th to 28th Nov. 2021 at New Delhi.

Name of Faculty: Dr. Manish Pathak
Designation: Additional Professor

Books/Chapters

1. Pathak M. Wilms tumor staging. Sarin YK Ed, Textbook of Wilms Tumor, 2021 (In Press)
2. Pathak M. Epidemiology of Wilms tumor. Sarin YK Ed, Textbook of Wilms Tumor, 2021 (In Press)
3. Pathak M. Long term follow-up and surveillance strategy. Sarin YK Ed, Textbook of Wilms Tumor, 2021 (In Press)
4. Sinha A, Pathak M. Laparoscopic nephrectomy in a book on MIS in pediatric patients. Rasik Shah, Prakash Agarwal, Ravi Ramadwar (Editors) In Editorial review.

Papers Presented:

1. Pathak M. Dynamic strategy in Pediatric Minimal Access Surgery, Karl Storz E-Masterclass (webinar series). Virtual Platform. October 30th, 2021
2. Pathak M. Neonatal Intestinal Obstruction: Pandora's Box. Pediatrics and Neonatology Conclave, 19th December 2021. Hotel Hilton, Jaipur
3. Shreyas K, Pathak M, Saxena R. Rathod K, Jadhav A, Sinha A. Implementation of the ERAS protocol in pediatric acute uncomplicated appendicitis. 47th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS), E-IAPSCON 2021, 22-24 October 2021
4. Shreyas K, Jadhav A, Rathod K, Pathak M, Saxena R., Sinha A. Study of effect of multimedia teaching tool on parental anxiety and comprehension of informed consent in pediatric surgical day care procedures. 47th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS), E-IAPSCON 2021, 22-24 October 2021
5. Shreyas K, Saxena R, Pathak M, Sinha A. Systematic review on various aetiologies , diagnosis and management of acquired Tracheoesophageal fistula (TEF) in children. 47th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS), E-IAPSCON 2021, 22-24 October 2021
6. Somya Bhatt, Saxena R, Sinha A, Pathak M, Rathod K, Sinha A. Comparison of clinical diagnosis with intraoperative findings for severity of appendicitis in children. 47th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS), E-IAPSCON 22-24 October 2021
7. Motiwala T, Pathak M, Rathod K, Jadhav A, Saxena R, Sinha A. Parental knowledge about surgical wound care among pediatric patients in India. 47th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS), E-IAPSCON 22-24 October 2021
8. Vig A, Rathod K, Jadhav A, Pathak M, Saxena R, Sinha A. Study of factors causing parental anxiety and depression in primary caregivers during surgical management of a child. 47th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS), E-IAPSCON 22-24 October 2021
9. Vig A, Rathod K, Jadhav A, Pathak M, Saxena R, Sinha A. Role of preoperative laboratory investigations to predict perforated appendicitis in children. European Society of Pediatric Endoscopic Surgeons (ESPES 2021)
10. Shreya K, Saxena R, Pathak M, Sinha A. Laparoscopic ureterocalicostomy: A feasible option for pediatric patients. European Society of Pediatric Endoscopic Surgeons (ESPES 2021)

Sessions Chaired:

1. Moderator of Clinical case presentation session in 14th Pediatric Surgery Update 2022, March 24-27, 2022, Maulana Azad Medical College, New Delhi.

2. Chairperson live operative workshop in 17th Pediatric Endoscopic Surgeons of India Annual Conference PESICON 2022, April 8-10th, 2022, Varanasi.

Invited Lectures

1. Lecture in Karl Storz E-Masterclass (webinar series) Dynamic strategy in Pediatric Minimal Access Surgery, October 30th, 202.
2. Lecture in Pediatrics and Neonatology Conclave, Hotel Hilton, Jaipur, on Neonatal Intestinal Obstruction: Pandora's Box. 19th December 2021.

Research Project:

Ongoing:

As Principal Investigator

1. To study the effect of duration of indwelling urinary catheter on surgical outcome following tubularized incised plate repair in patients with distal hypospadais

As Co-Investigator

1. Comparison of outcome in pediatric stented hypospadias repair with continuous antibiotic prophylaxis versus no post-operative prophylaxis.
2. Histological and Immunohistochemical changes in buccal mucosa graft in cases of hypospadias

Completed:

Projects

As Principal Investigator

1. Histopathological examination of testicular nubbin: Retrospective analysis
2. To evaluate the parental knowledge about surgical wound care among pediatric patients in India.
3. Implementation of early discharge protocol after laparoscopic appendectomy for pediatric uncomplicated acute appendicitis.

As Co-investigator

1. Retrospective analysis of Outcome of stoma closure in children without mechanical bowel preparation
2. To evaluate the challenges faced by healthcare team during the elective surgeries performed during COVID-19 pandemic in pediatric population.
3. Comparison of Pediatric Surgical Emergencies before and after COVID-19 pandemic.
4. Evaluation of the challenges and adaptation of surgeons while operating with Personal Protective Equipment during the surgeries performed in COVID-19 pandemic in a tertiary care center.

Scientific Awards/Patents

1. Best paper award, Study of factors causing parental anxiety and depression in primary caregivers during surgical management of a child. 47th Annual conference of Indian Association of Pediatric Surgeons (IAPSCON 2021) on virtual platform, 22-24 October 2021

Membership/Post in Journal or Society or Association

1. Nominated Member of Specialist Board of Pediatric Surgery, National Board of Examinations in Medical Sciences, Ministry of Health and Family Welfare, Government of India

2. Specialty Committee Member (Pediatric Surgery) for rationalization of Pediatric Surgery Packages Ayushman Bharat Pradhan Mantri Jan Arogya Yojna, National Health Authority, Government of India.
3. Executive Member, Association of Pediatric Surgical Oncology Subchapter of Indian Association of Pediatric Surgeons

National/ International Conferences attended:

1. 47th Annual conference of Indian Asssociation of Pediatric Surgeons (IAPSCON 2021) on virtual platform, 22-24 October 2021.
2. 17th Pediatric Endoscopic Surgeons of India Annual Conference PESICON 2022, April 8-10th, 2022, Varanasi

Name of Faculty: Dr. Kirtikumar J Rathod
Designation: Additional Professor

Books/Chapters

1. Kirtikumar J Rathod Avinash Jadhav. "Minimally Invasive Surgery for Wilms Tumor". Textbook of Wilms Tumor. Yogesh Sarin Editor (In Publication).
2. Ayushi Vig, Kirtikumar J Rathod. "Work-up for Wilms Tumor". Textbook of Wilms Tumor. Yogesh Sarin Editor (In Publication).

Papers Presented:

1. Rathod KJ, Sikchi Rupesh, Saxena R, Sinha A. Laparoscopic excision of the complex mesenteric cyst and total laparoscopic handsewn end to end intracorporeal small bowel anastomosis ESPES 2021 Palazzo Congressi. Sept 15 -17, 2021. Lugano, Switzerland
2. Rathod KJ, Vig A, Sinha A. Laparoscopic duodeno-jejunostomy and transanastomotic feeding jejunostomy tube insertion for a large annular pancreas causing duodenal obstruction in a neonate ESPES 2021 Palazzo Congressi. Sept 15 -17, 2021. Lugano, Switzerland
3. Rathod KJ, Sinha A. Laparoscopic ligation with extracorporeal tapering ureteroplasty and laparoscopic ureteroneocystostomy in a child with congenital ectopic megaureter with urinary incontinence. ESPES 2021 Palazzo Congressi. Sept 15 -17, 2021. Lugano, Switzerland

Sessions Chaired:

1. Chaired Minimally invasive pediatric surgery session in 14th Pediatric Surgery Update 2022, March 24-27, 2022, Maulana Azad Medical College, New Delhi.
2. Faculty for the live operative workshop in 17th Pediatric Endoscopic Surgeons of India Annual Conference PESICON 2022, April 8-10th, 2022, Varanasi.

Invited Lectures

1. Current evidence in Pediatric laparoscopic, thoracic and robotic surgery. ESPES 2021 International Webinar, Online Mode.
2. Our Experience of Neonatal Minimal Access Surgery at AIIMS Jodhpur. AMASICON 2022
3. Role of fluorescence-guided surgery in pediatric MIS. 17th Pediatric Endoscopic Surgeons of India Annual Conference PESICON 2022, April 8-10th, 2022, Varanasi.

Resource Faculty:

1. Faculty for hands-on simulated minimal surgery workshop in 17th Pediatric Endoscopic Surgeons of India Annual Conference PESICON 2022, April 8-10th, 2022, Varanasi.

Research Project:

Ongoing:

As Principal Investigator

1. Histological Changes in Penile tissues due various hemostatic method used during hypospadias operation.
2. Role of preoperative splenectomy artery embolization before splenectomy in children.

Scientific Awards/Patents

1. Gold Medal AMASICON 2021 for best paper in minimal access surgery
2. Out of 11 papers presented in ESPES 2021 Switzerland – Best poster of the conference award
3. Awarded free membership of ESPES
4. Faculty for International ESPES masterclass
5. Presented 8 papers at IAPSCON 2021 National Conference of Indian Association of Paediatric Surgeons – 2 Best paper awards

Membership/Post in Journal or Society or Association

1. Member of British Association of Paediatric Surgeons
2. Member of European Society of Pediatric Endoscopic Surgery
3. Member of Global Initiative in Children Surgery headquarters Oxford UK
4. Executive committee North Zone Member of Indian Association of Pediatric Surgeons.
5. Member of Asian Association of Pediatric Surgeons
6. Past Secretary cum Treasurer Pediatric Endoscopic Surgeons of India

National/ International Conferences attended:

1. 16th International Conference of Association of Minimal Access Surgeons of India. AMASICON 2021 26-28th Nov 2021 India Habitat center New Delhi.
2. .ESPES 2021 Palazzo Congressi. Sept 15 -17, 2021. Lugano, Switzerland

Name of Faculty: Dr. Avinash S Jadhav
Designation: Associate Professor

Books/Chapters

1. Kirtikumar J Rathod, Avinash Jadhav. “Minimally Invasive Surgery for Wilms Tumor”. Textbook of Wilms Tumor. Yogesh Sarin Editor (In Publication).

Papers Presented:

1. Shreyas K, Pathak M, Saxena R. Rathod K, Jadhav A, Sinha A. Implementation of the ERAS protocol in pediatric acute uncomplicated appendicitis. 47th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS), E-IAPSCON 2021, 22-24 October 2021

2. Shreyas K, Jadhav A, Rathod K, Pathak M, Saxena R., Sinha A. Study of effect of multimedia teaching tool on parental anxiety and comprehension of informed consent in pediatric surgical day care procedures. 47th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS), E-IAPSCON 2021, 22-24 October 2021
3. Somya Bhatt, Saxena R, Sinha A, Pathak M, Rathod K, Sinha A. Comparison of clinical diagnosis with intraoperative findings for severity of appendicitis in children. 47th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS), E-IAPSCON 22-24 October 2021
4. Motiwala T, Pathak M, Rathod K, Jadhav A, Saxena R, Sinha A. Parental knowledge about surgical wound care among pediatric patients in India. 47th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS), E-IAPSCON 22-24 October 2021
5. Vig A, Rathod K, Jadhav A, Pathak M, Saxena R, Sinha A. Study of factors causing parental anxiety and depression in primary caregivers during surgical management of a child. 47th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS), E-IAPSCON 22-24 October 2021
6. Vig A, Rathod K, Jadhav A, Pathak M, Saxena R, Sinha A. Role of preoperative laboratory investigations to predict perforated appendicitis in children. European Society of Pediatric Endoscopic Surgeons. XI European Society of Pediatric Endoscopic Surgeons (ESPES) Annual Congress 2021. Lugano, Switzerland, 15 -17 Sept, 2021.
7. Saxena R, Sinha A, Pathak M, Rathod K, Jadhav A. Challenges in minimally invasive choledochal cyst surgery. XI European Society of Pediatric Endoscopic Surgeons (ESPES) Annual Congress 2021. Lugano, Switzerland, 15 -17 Sept, 2021.
8. Motiwala T, Rathod K, Jadhav A, Sinha A. Laparoscopic excision of Type-4 congenital pouch colon and management of its complication by laparoscopic redo procedure. XI European Society of Paediatric Endoscopic Surgeons (ESPES) Annual Congress 2021. Lugano, Switzerland, 15 -17 Sept, 2021.
9. Motiwala T, Rathod K, Jadhav A, Sinha A. Laparoscopic excision of giant bladder diverticulum with ureteroneocystostomy and extravesical reimplantation. XI European Society of Paediatric Endoscopic Surgeons (ESPES) Annual Congress 2021. Lugano, Switzerland, 15 -17 Sept, 2021

Sessions Chaired:

1. Trauma. 47th Annual conference of Indian Asssociation of Pediatric Surgeons (IAPSCON 2021) on virtual platform, 22-24 October 2021.
2. Moderator, 9th National Conference Society of Pediatric Urology – 4th- 5th December 2021 virtual platform

Research Project:

Ongoing:

As Co-Investigator

1. Comparison of outcome in pediatric stented hypospadias repair with continuous antibiotic prophylaxis versus no post-operative prophylaxis.
2. To evaluate the effect of tourniquet use and local injection of adrenaline in hypospadias surgery in the histopathological and biochemical examination and its impact on the outcome of surgery in pediatric population.
3. To study the effect of duration of indwelling urinary catheter on surgical outcome following tubularized incised plate repair in patients with distal hypospadias.
4. Histological Changes in Penile tissues due various hemostatic method used during hypospadias operation.
5. Role of preoperative splenectomy artery embolization before splenectomy in children.

Scientific Awards/Patents

1. Study of factors causing parental anxiety and depression in primary caregivers during surgical management of a child. 47th Annual conference of Indian Association of Pediatric Surgeons (IAPSCON 2021) on virtual platform, 22-24 October 2021

Membership/Post in Journal or Society or Association

1. Executive Member(west zone) Society of Paediatric Urology Subchapter of Indian Association of Pediatric Surgeons

National/ International Conferences attended:

1. 47th Annual conference of Indian Asssociation of Pediatric Surgeons (IAPSCON 2021) on virtual platform, 22-24 October 2021.
2. 9th National Conference Society of Pediatric Urology – 4th- 5th December 2021

Name of Faculty: Dr. Rahul Saxena
Designation: Associate professor

Books/Chapters

1. Rahul Saxena. Familial Non-syndromic Wilms' Tumor. In: Wilms'Tumor, Ed. Yogesh Kumar Sarin. Springer. Accepted

Papers Presented:

1. Rahul Ravi Saxena, Arvind A Sinha, Manish M Pathak, Kirti Kumar Rathod, Avinash Sukhdev Jadhav Challenges in minimally invasive choledochal cyst surgery. XI European Society of Pediatric Endoscopic Surgeons (ESPES) Annual Congress 2021. Lugano, Switzerland, Sept 15 -17, 2021.
2. Rahul Ravi Saxena, Arvind A Sinha, Manish M Pathak. Laparoscopic Ureterocalicostomy: a feasible option for pediatric patients. XI European Society of Pediatric Endoscopic Surgeons (ESPES) Annual Congress 2021. Lugano, Switzerland, Sept 15 -17, 2021. Urology Session 09:40 - 09:45
3. Rahul Ravi Saxena, Biang Chwadaka Suchiang, Kirti Kumar Rathod, Arvind K Sinha. Laparoscopic mesh sacrocolpopexy in a case of prolapsed neovagina in a teenager. XI European Society of Pediatric Endoscopic Surgeons (ESPES) Annual Congress 2021. Lugano, Switzerland, Sept 15 -17, 2021. Miscellaneous Session. 16:45 - 16:50
4. Rahul Ravi Saxena, Biang Chwadaka Suchiang, Kirti Kumar Rathod, Arvind A Sinha. Laparoscopic cortical preserving adrenalectomy for right-sided pheochromocytoma. XI European Society of Pediatric Endoscopic Surgeons (ESPES) Annual Congress 2021. Lugano, Switzerland, Sept 15 -17, 2021. Miscellaneous Session. 17:05 - 17:10. 16th September 2021.
5. Shreyas K, Manish Pathak, Rahul Saxena, Kirtikumar Rathod, Avinash Jadhav, Arvind Sinha. Implementation of the ERAS protocol in Pediatric acute uncomplicated appendicitis. 47th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS), E-IAPSCON held from 22nd-24th October 2021.
6. Shreyas K, Avinash Jadhav, Kirtikumar Rathod, Manish Pathak, Rahul Saxena, Arvind Sinha. Study of the effect of Multimedia teaching tool on Parental anxiety and comprehension of Informed consent in Pediatric surgical day care procedures. 47th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS), E-IAPSCON held from 22nd-24th October 2021.

7. Rahul Saxena, Shreyas K, Manish Pathak, Arvind Sinha. A systematic review on various etiologies, diagnosis, and management of acquired Tracheoesophageal fistula (TEF) in children. 47th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS), E-IAPSCON held from 22nd-24th October 2021.
8. Somya Bhatt, Rahul Saxena, Balamurugan T, Arvind Sinha. The mirage of hemangioma- a rare case of congenital infantile fibrosarcoma. 47th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS), E-IAPSCON held from 22nd-24th October 2021.
9. Somya Bhatt, Rahul Saxena, Arvind Sinha, Manish Pathak, Kirtikumar Rathod, Avinash Jadhav. Comparison of clinical diagnosis with intraoperative findings for the severity of appendicitis in children. 47th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS), E-IAPSCON held from 22nd-24th October 2021.
10. Tanmay Motiwala, Manish Pathak, Kirtikumar J Rathod, Avinash Jadhav, Rahul Saxena, Arvind Sinha. Parental knowledge about surgical wound care among pediatric patients in India. 47th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS), E-IAPSCON held from 22nd-24th October 2021.
11. Ayushi Vig, Kirtikumar J Rathod, Avinash Jadhav, Manish Pathak, Rahul Saxena, Arvind Sinha. Study of factors causing parental anxiety and depression in primary caregivers during surgical management of a child. 47th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS), E-IAPSCON held from 22nd-24th October 2021.

Sessions Chaired:

1. Chairperson. Inguinal hernia and Non-palpable testis. European Society of Pediatric Endoscopic Surgeons (ESPES) Master in Pediatric MIS for the session on on 28-02-2022. (Online).

Invited Lectures

1. Lecture. “Step by step discussion on Laparoscopic Pyeloplasty & UDT”. Dynamic Strategy in Pediatric Minimal Access Surgery. Karl Storz E-masterclass (Webinar series). 30th October 2021. (Online).

Research Project:

Ongoing:

As Principal Investigator

1. Comparison of outcome in pediatric stented hypospadias repair with continuous antibiotic prophylaxis versus no post-operative prophylaxis.
2. Evaluation of the challenges and adaptation of surgeons while operating with Personal Protective Equipment during the surgeries performed in COVID-19 pandemic in a tertiary care center.

As Co-Investigator

1. To study the effect of duration of the indwelling urinary catheter on surgical outcome following tubularized incised plate repair in patients with distal hypospadias.
2. To evaluate the challenges faced by the healthcare team during the elective surgeries performed during COVID-19 pandemic in pediatric population.
3. Comparison of Pediatric Surgical Emergencies before and after COVID-19 pandemic.
4. To evaluate the effect of tourniquet use and local injection of adrenaline in hypospadias surgery in the histopathological and biochemical examination and its impact on the outcome of surgery in pediatric population.

Completed:

Research projects

As Principal Investigator

1. Comparison of outcome in pediatric stented hypospadias repair with continuous antibiotic prophylaxis versus no post-operative prophylaxis
2. Retrospective analysis of Outcome of stoma closure in children without mechanical bowel preparation.
3. Evaluation of the challenges and adaptation of surgeons while operating with Personal Protective Equipment during the surgeries performed in COVID-19 pandemic in a tertiary care center.

Scientific Awards/Patents

1. Award for: The mirage of hemangioma- a rare case of congenital infantile fibrosarcoma. 47th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS), E-IAPSCON held from 22nd-24th October 2021.
2. Award for: Study of factors causing parental anxiety and depression in primary caregivers during surgical management of a child. 47th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS), E-IAPSCON held from 22nd-24th October 2021

Membership/Post in Journal or Society or Association

1. Membership of Global Initiative of Children Surgery, Headquarters Oxford, UK.
2. Membership in the European Society of Pediatric Endoscopic Surgeons (ESPES)

National/ International Conferences attended:

1. IAPSCON 2021. 47th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS), E-IAPSCON held from 22nd-24th October 2021.
2. 14th Pediatric Surgery Update 2021, 24th-27th March 2021, Maulana Azad Medical College, New Delhi
3. XI European Society of Pediatric Endoscopic Surgeons (ESPES) Annual Congress 2021. Lugano, Switzerland, Sept 15 -17, 2021.
4. How to write papers that Editors want to publish. Fri Apr 9, 2021 3pm – 4pm. Organized by BMJ, Speaker- Dr. Simi Kaul
5. 9th Annual National Conference Society of Pediatric Urology – 4th- 5th December 2021

Name of Faculty: Dr. Shubhalaxmi Nayak
Designation: Assistant professor

Papers Presented:

1. Krishna Rao, Nitin J Peters, Shubhalaxmi Nayak, Ram Samujh, Sandhya Yaddanapudi, Akshay Saxena.Indications, Feasibility and outcomes of Non Anatomical liver resection in children - An early experience. 47th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS), E-IAPSCON 22-24 October 2021
2. Deepti Pai, Nitin J Peters, Shubhalaxmi Nayak, Ram Samujh, Amita Trehan, S Radhika. Ovarian tumors - 5 year Audit. 47th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS), E-IAPSCON 22-24 October 2021

3. Deepti Pai, Nitin J Peters, Shubhalaxmi Nayak, Ram Samujh, Sandhya Yaddanapudi, Deepak Bansal. Laparoscopic management of a rare association: Infantile hypertrophic pyloric stenosis with coexisting neonatal neuroblastoma. 47th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS), E-IAPSCON 22-24 October 2021
4. Revathy, Manish Pathak, Kirtikumar Rathod, Shubhalaxmi Nayak, Arvind Sinha. Retrospective review of laparoscopy managed paediatric patients of hirschrpung disease . PESICON 2022, 8-10 April 2022
5. Jayakumar TK, Avinash Jadhav, Shubhalaxmi Nayak, Manish Pathak, Arvind Sinha. Laparoscopic vaginal reconstruction in a case of 14-year-old girl with cervicovaginal agenesis. PESICON 2022, 8-10 April 2022
6. Shrilaxmi Aithal, Manish Pathak, Shubhalaxmi Nayak, Rahul saxena, Avinash Jadhav, Kirtikumar Rathod, Arvind Sinha. Retrospective Analysis of thoracoscopic surgeries in AIIMS Jodhpur in pediatric population. PESICON 2022, 8-10 April 2022

Sessions Chaired:

1. Moderator of Urology and GI session at 47th Annual conference of Indian Association of Pediatric Surgeons (IAPSCON 2021) on virtual platform, 22-24 October 2021.
2. Chairperson in Short Urology session at 47th Annual conference of Indian Asssociation of Pediatric Surgeons (IAPSCON 2021) on virtual platform, 22-24 October 2021.

Scientific Awards/Patents

1. “Purushottam Upadhyaya Award” for “Best Research Paper” for the year 2021 at 47th Annual conference of Indian Asssociation of Pediatric Surgeons (IAPSCON 2021) on virtual platform, 22-24 October 2021. For the paper titled : TIMP-2 as a non-invasive urinary marker for predicting neurogenic bladder in patients under follow-up for spina bifida
2. Co- author for Best paper award, “Retrospective review of laparoscopy managed paediatric patients of hirschrpung disease” , presented at PESICON 2022, Varanasi, 8th - 10th April 2022

National/ International Conferences attended:

1. 14th Pediatric Surgery Update 2021, 24th-27th March 2021, Maulana Azad Medical College, New Delhi
2. Webinar on Fetal Surgery- State Of The Art conducted in July 2021 by IAPS.
3. Webinar On Pediatric Liver Tumors - By Dr Eiso Hiyama on 20th August 2021
4. 4TH APSO webinar - Fertility preservation in Pediatric Cancers". On 3rd September 2021
5. Indian Asssociation of Pediatric Surgeons (IAPSCON 2021) on virtual platform, 22-24 October 2021.
6. 6TH APSO webinar - Wilms Tumour - Management of IVC and Cardiac Extension conducted on 3rd December 2021
7. 9th Annual Conference Of Pediatric Urology - E-SPUCON 4th - 5th December 2021
8. 6th Annual Conference- IAPS- Research Association Of Pediatric Surgeons conducted on 16th -17th December 2021
9. Pediatric Urology Update- changing paradigms in 21st century conducted in AIIMS, New Delhi - 23rd - 24th December 2021.
10. ESPES MASTER PEDIATRIC MIS - Jan 2022, Online module

Department of Pediatrics

S.No.	Name	Designation
1	Dr. Kuldeep Singh	Professor and Head
2	Dr. Jagdish Prasad Goyal	Professor
3	Dr. Daisy Khera	Additional Professor
4	Dr. Prawin Kumar	Additional Professor
5	Dr. Varuna Vyas	Associate Professor
6	Dr. Aliza Mittal	Associate Professor
7	Dr. Siyaram Didel	Associate Professor
8	Dr. Lokesh Saini	Assistant Professor
9	Dr. Bharat Choudhary	Associate Professor (Trauma & Emergency)

About the Department

The Department of Pediatrics achieved new milestones during the year 2021-22. Department has set new trends in collaboration with inter-departmental, inter-institutional and central agencies. Faculty in department clinically evaluate rare disease patients, interact with other department, collect samples and get them managed through collaboration. Two unique DM Programs in Medical Genetics and Pediatric Pulmonary Medicine were initiated based on State-of-Art facilities, patient load and management skills for these very important and often neglected conditions. Currently 3 DM students are undergoing training. Post-doctoral Fellowships continued to augment training and improve quality of patient care with aim to advance long-term care for chronic illnesses. The department conducted the first International Pediatric Nephrology Association (IPNA) endorsed hands-on workshop on peritoneal dialysis under a grant of 5000 USD from International Pediatric Nephrology Association awarded to Dr Aliza Mittal. Though a physical workshop, it saw a participation of almost 80 delegates from medical colleges of Rajasthan. Care of children with acute and chronic renal disease from western Rajasthan has improved drastically with expansion of pediatric renal replacement therapy by setting up of a separate dialysis area in PICU augmented by new CRRT machine. The services aided dialysis of very sick children with renal failure, even up to low weights of 5-6 kg. Several patients with the common endocrine conditions such as Diabetes Mellitus, thyroid disorders, short stature were managed well. Special emphasis was laid on identifying and treating patients with uncommon disorders or rare diseases such as neonatal diabetes mellitus, diabetes insipidus, ambiguous genitalia, parathyroid and calcium disorders. Initiated process to start new fellowship programs for Pediatric clinical hematology and Pediatric Neurology along with existing fellowship and DM programs in various pediatric sub specialties. The second phase of National Inherited Diseases Administration (NIDAN) for aspirational district is also approved. AIIMS Jodhpur is running a dedicated Genetic Clinic six days a week. As part of Laboratory services in year 2021-22, we have established molecular testing for thalassemia and sickle cell anemia using amplification-refractory mutation system (ARMS), new-born screening for hemoglobinopathies (total tested sample - 600), Copy Number Variation (CNV) for SMN1 and SMN2 gene (total tested sample - 49). Besides, we have a barcode system enabled storage for DNA, Blood, Amniotic fluid, plasma, and serum for genetically confirmed cases. As a par part of medical genetics education, the department has developed a module for medical students that covers all basic and advanced laboratory experiments and genetic counseling. Genetic lab also support activities for multiple research assisting training. A dedicated pediatric day care was also initiated to compensate the

shortage of bed availability and optimize management of pediatric hematologcal disorders, pediatric nephrology, pediatric endocrinology, pediatric neurology, pediatric pulmonology and genetic patients requiring short stay. Most of patient with acute, chronic and serious illnesses are getting treatment under Ayushmann scheme, thus minimizing Out of Pocket (OoP) expenditure for poor patients. MOU was signed between AIIMS Jodhpur and CANKIDS to help children suffering from various cancers.

Compiled list of Publications of the department :

Papers:

PubMed Indexed:

1. Kumar P, Thakur C, Goyal JP, Charan J, Singh K. Hindi Translation and Validation of Childhood Asthma Control Test (C-ACT). Indian Pediatr. 2022 Jan 9:S097475591600400. Epub ahead of print.
2. Gautam G, Kumar P, Goyal JP. High-flow nasal cannula during flexible bronchoscopy: Is it effective in children? Pediatr Pulmonol. 2022;57(2):588-589.
3. Singh S, Chegondi M, Chacham S, Kumar P, Goyal JP. Comparison of clinical and laboratory profile of pulmonary and extrapulmonary tuberculosis in children: A single-center experience from India. J Clin Transl Res. 2021 Jul 16;7(4):423-427.
4. Singh N, Chowdhury N, Pal S, Goyal JP, Bhakhri BK, Rao S. Hyaline Vascular Type of Castleman Disease: Diagnostic Pitfalls on Cytology and Its Clinical Relevance. Cureus. 2021 Aug 14;13(8):e17174.
5. Goyal JP, Kumar P. Telemedicine During the COVID-19 Pandemic: Moving from Physical to Virtual Outpatient Care. Indian J Pediatr. 2021;88(10):959-960.
6. Jain S, Thakur C, Kumar P, Goyal JP, Singh K. Telemedicine for Asthma Follow-up in Children During COVID-19 Pandemic. Indian J Pediatr. 2021 Oct;88(10):1050.
7. Kumar P, Goyal JP, Singh K. Association of Symptoms of Sleep-Related Breathing Disorders with Asthma Control in Indian Children. Indian J Pediatr 2022 ;89(1):31-36.
8. Vijay S, Bansal N, Rao BK, Veeraraghavan B, Rodrigues C, Wattal C, Goyal JP, Tadepalli K, Mathur P, Venkateswaran R, Venkatasubramanian R, Khadanga S, Bhattacharya S, Mukherjee S, Baveja S, Sistla S, Panda S, Walia K. Secondary Infections in Hospitalized COVID-19 Patients: Indian Experience. Infect Drug Resist. 2021 May 24;14:1893-1903. doi: 10.2147/IDR.S299774.
9. Mittal A, Jayappa M, Sureka B, Singh K. Incidental chronic kidney disease in an obese child with high myopia: Answers. Pediatr Nephrol. 2021 Jul;36(7):1943-1946. doi: 10.1007/s00467-020-04785-z. Epub 2020 Oct 6. PMID: 33025205.
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Non-Pubmed Indexed:

1. PK Barolia, D Khera, B Choudhary, V Tak, K Singh, VL Nag. Bacteriological Profile of Health Care Associated Infection and Antibiotic Resistance Pattern of Isolates at PICU in a Tertiary Care Hospital. Indian Journal of Forensic Medicine & Toxicology . Apr-Jun2021, Vol. 15 Issue 2, p483-491. 9p.

2. Vyas V. Skills that pediatricians cannot learn from books or databases. Indian Pediatr Case Rep 2021;1:160.
3. Khera D, Didel S, Purohit A, Umashanker S, Ramzan M. (2021). Fatal Chronic Immune Thrombocytopenia with Co-Existent Type-1 Neurofibromatosis. JCDR 15(5), SL01-. https://www.doi.org/10.7860/JCDR/2021/48416/14846
4. B. Harshini. U.K.Kandha Kumar. D.Siyaram., S. Lokesh., T Sarbesh., V. Vyas., M. Aliza. G. Jagdish., K. Prawin., S.P.Abhishek., S. Kuldeep., Disseminated tuberculosis in a child with B cell all; A rare presentation December 2021. Pediatric Hematology Oncology Journal 6(4):S60
5. T Nayan. D.Siyaram. B -cell acute lymphoblastic leukemia in sibling brothers. December 2021.Pediatric Hematology Oncology Journal 6(4):S23.
6. Kumar A, Didel S, Khera D, Gupta A, Purohit A, Paroxysmal cold hemoglobinuria in a 7-year-old male child – Was it really cold induced? A diagnostic and management dilemma. Pediatric Hematology Oncology Journal (2022)

Eminent visitors:

1. Dr Sriram Krishnamurthy, Professor, Department of Pediatrics JIPMER Pondicherry for PDHANDSON 2022
2. Prof. JP Soni, Professor and Head , Department of Pediatrics, Dr. SNMC Jodhpur, as faculty for PDHANDSON 2022

Various year around academic and other activities and new land marks achieved by the department.



Emergency Treatment and Triage workshop [ETAT] for medical officers and Nursing officers of Rajasthan. Four such workshops were organized in which more than 80 participants from various district hospitals were trained in emergency triaging and stabilization of sick children.



Medical and Nursing officers during the ETAT workshop

Simulation based Central Line insertion - 17th October 2021- Central line is an important procedure to get venous access in sick children for drug administration as well as for monitoring purpose. It is associated with life threatening complications. In untrained hands it may cost lives. Using simulation as teaching methodology we have trained our resident by giving them hands on experience on central line trainer, so that they get more confident in inserting without harming the patient & ultimately improves patient outcome.



Instructors and participants during the Simulation based Central Line insertion workshop

PDHANDSON 2022- The department conducted the first IPNA endorsed hands on workshop on peritoneal dialysis under a generous grant of 5000 USD from International Pediatric Nephrology association awarded to Dr Aliza Mittal. This was a physical workshop which saw a participation of almost 80 delegates from medical colleges of Rajasthan. Each participant was given enough opportunity to practice hands on insertion of stiff PD Catheter in the skills lab and PD prescription.They were all provided with printed course booklet as well. The program enabled pediatrics post graduates from other colleges from smaller cities of Rajasthan to learn basic pediatric Nephrology**.**

Name of Faculty - Prof Kuldeep Singh
Designation – Professor and Head,
{Dean (Academics), Academic Head, School of Public health}

Research Project:

Ongoing:

As Principal Investigator

1. GenomeIndia: Cataloguing the Genetic Variation in Indians
2. NIDAN Kendra: Establishment of DBT NIDAN Kendra at AIIMS Jodhpur for Genetic Disorder in Rajasthan
3. Establishment of a Consortium for One Health to address Zoonotic and Transboundary Diseases in India, including the Northeast Region
4. Screening for sickle cell anemia and other hemoglobinopathies in newborns, pregnant women (ANC) and family members in Rajasthan".
5. Hospital based Sentinel Surveillance for Streptococcus pneumonia and other Invasive bacterial diseases in India
6. Congenital rubella surveillance of India survey
7. Stimulating Medical Student interest in Medical Genetics: Randomized Controlled trial of Innovative Educational Intervention
8. Study of knowledge attitude and practice of tribal healers of prevalent diseases in the tribal community of district Sirohi, Rajasthan.
9. Resource Centre/Hub under Health Technology Assessment supported by DHR
10. Multiple approaches to develop therapeutic leads targeting molecular hot spots of Duchenne Muscular Dystrophy for clinical trial.

As Co-Investigator -

1. Initiating Antimicrobial Stewardship program in Hospitals in India (ICMR)
2. Setting up of registry and targeted exome sequencing in children with renal tubular disorders
3. Ambulatory blood pressure nomogram derivation for Indian children: A pioneer study
4. Efficacy of low dose, short course prednisolone regimen for relapse of steroid sensitive nephrotic syndrome in children: A multicenter, randomized, placebo-controlled trial (Proposal submitted in Nov 2021, accepted for funding in March 2022 by DHR
5. Intermittent clobazam therapy and febrile seizure recurrence- a double blind RCT.
6. 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, ICMR.
7. Capacity Building and Strengthening of Hospital Infection Control to detect and prevent antimicrobial resistance in India- multicentric extramural project funded by CDC and ICMR
8. Determining the effectiveness of daily simulation training exercises and debriefing with a real time feedback device in emergency health care providers: an extramural project funded by CSIR
9. Impact of Tele-Simulation on Resident Knowledge and Team work in COVID era: an extramural project funded by International Network for simulation based Pediatric Innovation Research and Education.
10. 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

11. Assessment of parent satisfaction with care in pediatric intensive care unit: A prospective observational study, non-funded project.
12. Effectiveness of a PICU bundle to reduce delirium in critically ill children: non-funded project.
13. Urine abnormalities in multi system inflammatory syndrome children: non-funded project.
14. An exploratory study on epidemiology of renal involvement in Pediatric patients with COVID 19: non-funded project.
15. Clinical profile and outcome of children admitted in PICU with critical hemato- oncological illnesses: A retrospective study in tertiary center in North-western India: non-funded project.
16. Post COVID neurological complications in children: non-funded project.

Completed:

As Principal Investigator

1. Flip to empowerment adolescent for reproductive health
2. Phase-I : Hospital based Sentinel Surveillance for Streptococcus pneumonia and other Invasive bacterial diseases in India
3. To assess the prevalence of specific micronutrient deficiencies in school going children aged between 6-16 years in ten cities of India
4. Evaluating an innovative method to teach Genetics to Medical Student: improving competency and interest in applied basic science

Scientific Awards/Patents:

1. **"**Flip2Empower" patent published

Examinership:

1. MD Examiner AIIMS Delhi, JIPMER, AIIMS Rishikesh & AIIMS Raipur
2. DNB Medical Genetics examiner for MAMC and Sir Ganga Ram Hospital

Membership/Post in Journal or Society or Association

1. Editor Annals of the National Academy of Medical Sciences (India)

National/ International Conferences attended:

1. Panelist for " India-Sweden Healthcare Innovation Centre Collaboration Session at the Indian Pavilion, World Expo, Dubai on 31st January 2022 (Joined Virtually)

Name of Faculty: Dr. Jagdish Prasad Goyal
Designation: Professor

Workshops/ Conferences Organized:

1. Cystic Fibrosis in RESPICON 2021

Books/Chapters:

1. IAP parental guidelines on Asthma
2. Standard treatment protocol on Pneumothorax by IAP

Papers Presented:

1. P. Kumar, J. Goyal, S. Sankanagoudar, V. Tak, D. Khera, K. Singh. “Association of serum IgE level with wheezingphenotype in preschool children: A crosssectional study” in ERS virtual Congress 2021, on 5-8th September 2021 (Poster presentation).
2. Akash Kumar, Prawin Kumar, Jagdish Prasad Goyal, Kuldeep Singh. Sleep characteristics in young children and impact of electronicmedia on it: A cross-sectional study from India in APPS TPPCC Joint Congress on 19th September 2021 (virtual poster presentation)
3. Bhagyashree PR, Prawin Kumar, Jagdish Prasad Goyal, Kuldeep Singh. Aeroallergen Sensitization and its impact on asthma control in Children: A cross-sectional study from India in APPS TPPCC Joint Congress on 19th September 2021 (virtual poster presentation)
4. Chirag Thakur, Nikhil Rajvanshi, Prawin Kumar, Jagdish Prasad Goyal, Daisy Khera, Kuldeep Singh. Utility of Flexible Bronchoscopy in Pediatric Intensive Care Unit: A Retrospective Study from Western India on 22-23rd October 2021 in RESPICON 2021 in Jaipur.
5. Debashish Burman, Deepthi Krishnan, Gaurav Gautam, Lokesh Saini, Prawin Kumar, Jagdish P. Goyal, Kuldeep Singh. Ataxia Telangiectasia presenting as recurrent respiratory tract Infection in an adolescent: A case report on 22-23rd October 2021 in RESPICON 2021 in Jaipur.

Invited Lectures:

1. GI manifestation of Cystic Fibrosis at Respicon 2021 at Jaipur

Resource Faculty:

1. Respicon 2021 at Jaipur

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 (ICMR)

Completed:

As Principal Investigator

1. To develop Acute Respiratory Infection Treatment Units (ATUs) and assess their utility in improving healthcare and research in pneumonia-related morbidity and mortality in India
2. Initiatinging Antimicrobial Stewardship program in Hospitals in India (ICMR)

Examinership:

1. Post-graduateate examiner at Veer Narmad South Gujarat University, Surat.
2. Subject Expert for Pediatrics at Jammu Kashmir Public Service Commission

Membership/Post in Journal or Society or Association:

1. Executive Editor, International Journal of Medical Sciences and Public Health
2. Editor, Journal of Pediatric Pulmonology

Name of Faculty: Dr Daisy Khera
Designation: Additional Professor

Papers Presented:

1. Effectiveness of Simulation based ventilator associated pneumonia (VAP) bundle care training to nursing officers on Knowledge, practice and incidence of VAP in pediatric intensive care unit in Western Rajasthan: a quasi-experimental study- oral paper presented at Simulus 6 Virtual conference (6th Annual Conference of PediSTARS) on Healthcare Simulation held on 24th and 25th April 2021.
2. Assessment of lung functions in follow up of mechanically ventilated children in a tertiary care setting: oral paper presented at 33rd Annual Conference of IAP National Respiratory Chapter held at Jaipur from 22nd to 24th October 2021.
3. Poster presentation titled "A rare case of Bronchogastric fistula" at 33rd Annual Conference of IAP National Respiratory Chapter held at Jaipur from 22nd to 24th October 2021.
4. Poster presentation titled "Fatal mucormycosis disguised as Tuberculosis" at 33rd Annual Conference of IAP National Respiratory Chapter held at Jaipur from 22nd to 24th October 2021

Sessions Chaired:

1. Chaired the session on "Interventional Bronchoscopy" at 33rd Annual Conference of IAP National Respiratory Chapter held at Jaipur from 22nd to 24th October 2021.

Invited Lectures

1. Faculty at North Zone Training of Trainers of e-module "Transport of Sick Kids (Task module)" on 8th May 2021.
2. Faculty at 33rd Annual Conference of IAP National Respiratory Chapter held at Jaipur from 22nd to 24th October 2021. Gave a talk on Pulse oximetry and oxygen therapy.
3. Faculty at Asthma Training Module organized by IAP National Respiratory Chapter and IAPNRC Maharashtra branch on 20th Feb 2022. Gave a talk on Wheezing under 5 years and conducted a workstation on Peak flowmetry and spirometry.
4. Faculty at PDHANDSON 2022, an IPNA endorsed AIIMS Jodhpur Pediatric Nephrology workshop cum CME organized by Department of Pediatrics, AIIMS Jodhpur on 27th Feb 2022.
5. Faculty for Emergency Triage and Treatment workshop organized by the Department of Pediatrics, AIIMS Jodhpur in the months of October, February and March 2022.
6. Faculty for Focused Online Critical Care Update Series on Understanding hemodynamics; Gave a talk on 'Hemodynamics- Therapeutic goals' on 16th August 2021.
7. Moderator for a NBEMS webinar on "Septic shock: What's new in management" on 13th December 2021.

Resource Faculty:

1. Faculty for workshop on "PDHANDSON" organized by the department of Pediatrics at AIIMS Jodhpur on 27th Feb 2022.

Research Project:

Ongoing:

As Principal Investigator

1. Fluid therapy in children with septic shock: Determining optimal volume of fluid boluses - a multi centric project
2. Therapeutic plasma exchange in children: A single center experience from Western India

As 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. “Capacity Building and Strengthening of Hospital Infection Control to detect and prevent antimicrobial resistance in India” multicentric extramural project funded by CDC and ICMR
4. Determining the effectiveness of daily simulation training exercises and debriefing with a real time feedback device in emergency health care providers: an extramural project funded by CSIR
5. Impact of Tele-Simulation on Resident Knowledge and Team work in COVID era: an extramural project funded by International Network for simulation based Pediatric Innovation Research and Education.
6. 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.
7. Effectiveness of a PICU bundle to reduce delirium in critically ill children: non-funded project.
8. Urine abnormalities in multi system inflammatory syndrome children: non-funded project.
9. An exploratory study on epidemiology of renal involvement in Pediatric patients with COVID 19: non-funded project.
10. Clinical profile and outcome of children admitted in PICU with critical hemato- oncological illnesses: A retrospective study in tertiary center in North-western India: non-funded project.
11. Post COVID neurological complications in children: non-funded project.
12. “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 muticenter study”, an extramural project funded by ICMR.

Completed:

As Principal Investigator

1. **“**Presepsin for the detection and risk stratification of sepsis in children: a prospective study.” An intramural project
2. “Assessment of parent satisfaction with care in pediatric intensive care unit: A prospective observational study”, non-funded project.

As Co-Investigator

1. "Prevalence of intestinal parasitic infection in undernourished children attending Health care facilities in Western Rajasthan" an intramural project.
2. “Prevalence of metabolic syndrome in children with bronchial asthma” an intramural project.
3. “Study of Clostridium difficile infection in patients with antibiotic associated diarrhea in hospitalized patients in tertiary care center at AIIMS Jodhpur”: an intramural project

4. “Clinical Profile of children with COVID -19 infection in western Rajasthan”: a non-funded project.
5. Validation of PIM 3 score in a tertiary care Pediatric intensive care unit in western Rajasthan: a retrospective study.
6. Association of serum IgE level with wheezing phenotype in preschool children: an intramural project

Examinership

1. External Examiner for the final MBBS examination (Pediatrics) at Dr SN Medical College, Jodhpur from 19/04/21 to 22/04/21 at MDM hospital, Jodhpur.
2. External Examiner for the practical examination of MD Pediatric Medicine exam at Dr SN Medical College, Jodhpur on 26th June 2021.
3. External Examiner for the practical examination of MD Pediatric Medicine (Supplementary) exam at Dr SN Medical College, Jodhpur on 25th Nov 2021.
4. Appointed as subject expert for moderation and validation of RPSC question paper Pediatrics on 23rd March 2022.
5. External examiner for Fellowship Exit Examination of NBEMS in the specialty of Pediatric Intensive Care at Sir Ganga Ram Hospital, New Delhi on 25th March 2022.

Membership/Post in Journal or Society or Association

1. Appointed as NBEMS National Coordinator in the specialty of Pediatric Critical Care for conduction and coordination of National Live Webinar series for DNB Pediatric Critical Care residents across the country.
2. Member of NBEMS Specialist Board in the specialty of Pediatric Critical care.
3. Nominated as executive member of IAP Women wing Rajasthan State.
4. Nominated as Vice President of Marwar Pediatric Society, Jodhpur.

National/ International Conferences attended:

1. National TOT on Asthma training module organized by IAP National Respiratory Chapter on 25th April 2021.
2. Simulus 6 Virtual conference (6th Annual Conference of PediSTARS) on Healthcare Simulation held on 24th and 25th April 2021.
3. 7th King’s John Price Pediatric Respiratory Conference on 25-26th May 2021.
4. North Zone Training of Trainers of e-module “Transport of Sick Kids (Task module)” on 8th May 2021.
5. 33rd Annual Conference of IAP National Respiratory Chapter held at Jaipur from 22nd to 24th October 2021.
6. Asthma Training Module organized by IAP National Respiratory Chapter and IAPNRC Maharashtra branch on 20th Feb 2022. Gave a talk on Wheezing under 5 years and conducted a workstation on Peak flowmetry and spirometry.
7. PDHANDSON 2022, an IPNA endorsed AIIMS Jodhpur Pediatric Nephrology workshop cum CME organized by Department of Pediatrics, AIIMS Jodhpur on 27th Feb 2022.
8. Emergency Triage and Treatment workshop organized by the Department of Pediatrics, AIIMS Jodhpur in the months of October, February and March 2022.
9. Focused Online Critical Care Update Series on Understanding hemodynamics; Gave a talk on ‘Hemodynamics- Therapeutic goals’ on 16th August 2021.

Name of Faculty: Dr. Prawin Kumar
Designation: Additional Professor

Books/Chapters:

1. Saurav Jain, Prawin Kumar, Jagdish P Goyal. Care of Infectious Diseases: Tuberculosis. Textbook of Child Health Nursing. Indian Journal of Pediatrics. First Edi. 2022
2. Arvind Kumar, Prawin Kumar, Rajesh Kr. Rai, Sushil K. Kabra. Guidelines for Parents. Care for Child with Cystic Fibrosis. Indian Academy of Pediatrics (IAP). June 2021.
3. Kana Ram Jat, Prawin Kumar. Standard Treatment Guideline 2022. Post-COVID Lung Disease in Children. 2022.

Papers Presented:

1. P. Kumar, J. Goyal, S. Sankanagoudar, V. Tak, D. Khera, K. Singh. "Association of serum IgE level with wheezingphenotype in preschool children: A crosssectional study" in ERS virtual Congress 2021, on 5-8th September 2021 (Poster presentation).
2. Akash Kumar, Prawin Kumar, Jagdish Prasad Goyal, Kuldeep Singh. Sleep characteristics in young children and impact of electronicmedia on it: A cross-sectional study from India in APPS TPPCC Joint Congress on 19th September 2021 (virtual poster presentation)
3. Bhagyashree PR, Prawin Kumar, Jagdish Prasad Goyal, Kuldeep Singh. Aeroallergen Sensitization and its impact on asthma control in Children: A cross-sectional study from India in APPS TPPCC Joint Congress on 19th September 2021 (virtual poster presentation)
4. Chirag Thakur, Nikhil Rajvanshi, Prawin Kumar, Jagdish Prasad Goyal, Daisy Khera, Kuldeep Singh. Utility of Flexible Bronchoscopy in Pediatric Intensive Care Unit: A Retrospective Study from Western India on 22-23rd October 2021 in RESPICON 2021 in Jaipur.
5. Debashish Burman, Deepthi Krishnan, Gaurav Gautam, Lokesh Saini, Prawin Kumar, Jagdish P. Goyal, Kuldeep Singh. Ataxia Telangiectasia presenting as recurrent respiratory tract Infection in an adolescent: A case report on 22-23rd October 2021 in RESPICON 2021 in Jaipur.

Invited Lectures:

1. Infants Pulmonary Function test in 33rd Annual Conference of Indian Academy of Pediatrics, Respiratory Chapter, RESPICON 2021, Jaipur (22-24th October 2021)
2. Gastric Aspirate & Induced Sputum in in 33rd Annual Conference of Indian Academy of Pediatrics, Respiratory Chapter, RESPICON 2021, Jaipur (22-24th October 2021)

Workshops/ Conferences Organized:

1. Workshop on Cystic Fibrosis at 33rd Annual Conference of Indian Academy of Pediatrics, Respiratory Chapter, RESPICON 2021. On 20th October 2022 Jaipur.

Resource Faculty:

1. 33rd Annual Conference of Indian Academy of Pediatrics, Respiratory Chapter, RESPICON 2021. On 20th October 2021 Jaipur.

Research Project:

Ongoing:

As Co-Investigator

1. Hospital Based Sentinel Surveillance for S. pneumoniae & other Invasive Bacterial Disease: Multicentric study. (ICMR, NIE, Chennai).
2. Improve diagnosis and management of cystic fibrosis (CF) by capacity building of medical college hospital across India and developed registry (ICMR)

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 acute respiratory infection treatments unit (ATU) and assess their utility in improving healthcare and research in pneumonia related morbidity and mortality in India. (INCLEN)

Examinership:

1. Internal examinere for Third Prof. M.B.B.S. PART-II (MAIN). Paediatrics, AIIMS Jodhpur held in December 2021.
2. Internal examinere for Third Prof. M.B.B.S. PART-II (MAIN). Paediatrics,, Dr. S. N. Medical College, Jodhpur held in Feb 2022.

National/ International Conferences attended:

1. European Respiratory Society (ERS) virtual Congress 2021, on 5-8th September 2021
2. Asian Pediatric Pulmonology Society (APPS) and TPPCC Joint Congress on 19th September 2021 (virtual)
3. 33rd Annual Conference of Indian Academy of Pediatrics, Respiratory Chapter, RESPICON 2021, Jaipur (22-24th October 2021)
4. ERS. Virtual school on the diagnosis of obstructive sleep apnoea in children 17.12.2021
5. ERS. Virtual school on clinical exercise testing: core principles - 12.05.2021
6. King's John Price. Digital Master class on Asthma. 30th June 2021. London
7. 7th King's John Price Paediatric Respiratory Conference. 25-26th May 2021

Name of the Faculty: Dr Varuna Vyas

Designation: Associate Professor

Workshops/ Conferences Organized

1. World Down Syndrome Day Celebration (virtual) at AIIMS Jodhpur- March 2022
2. Faculty in the Emergency Triage Assessment and Treatment Workshop – multiple sessions conducted throughout the year.

Invited Lectures

1. Invited as a panelist in the North Zone Pedicon 2021 for panel discussion on short stature
2. Invited as faculty on case-based discussion on short stature in E Endocon

Research Project:

Ongoing:

1. Immuno-clinical characterization of diabetes mellitus in children and adolescents

Membership/Post in Journal or Society or Association:

1. Associate Editor for Indian Pediatrics Case Reports.

National/ International Conferences attended:

1. Attended E Endocon online conference on Pediatric Endocrinology organized by IAP Delhi in December 2021
2. Attended the biennial conference of Indian Society of Pediatric and Adolescent Endocrinology - ISPAE 2021 Pune in November 2021
3. Planning and setting up of clinical skills learning program for undergraduate students using blended learning technique A Training of Trainers workshop- online workshop organized by AIIMS Delhi.

Any other information:

1. Working as Faculty for the Indian Society of Pediatrics and Adolescent Endocrinology Diabetes Education and Learning- IDEAL Program

Name of Faculty: Dr Aliza Mittal
Designation: Associate Professor

Workshops conferences organized:

1. PDHANDSON 2022-IPNA endorsed AIIMS Jodhpur CME cum workshop Dr Aliza Mittal , on 27th February 2022 at AIIMS Jodhpur, E-Classroom and Skills lab

Chapters:

1. Mittal, A., Sethi, S.K. (2021). Functional Renal Reserve and Furosemide Stress Test. In: Sethi, S.K., Raina, R., McCulloch, M., Bunchman, T.E. (eds) Advances in Critical Care Pediatric Nephrology. Springer, Singapore.
2. Sethi, S.K., Sharma, V., Dandekar, P., Rana, A., Mittal, A., Raina, R. (2021). Sonography of the Kidneys in Children: Basics. In: Sethi, S.K., Raina, R., McCulloch, M., Bunchman, T.E. (eds) Advances in Critical Care Pediatric Nephrology. Springer, Singapore.
3. Mittal A, Siddharth Sethi. A CKD-5 child with metabolic bone disease- Case studies in Nephrology, Aashish Nandwani. 1st Edition, Jaypee, Feb 2021
4. Binit Sureka, Mittal A, Puneet Pareek. Role of Telehealth in COVID-19 pandemic: COVID-19. Pankaj Bhardwaj. 1st Edition

Papers and Posters Presented:

1. Aliza Mittal, Abhishek Purohit,Binit Sureka, Amarpal Singh, Satya Jha et al. . Endothelial dysfunction in children with CKD- Associating Circulating endothelial cells & markers of Mineral bone disease with endothelial function and atherosclerosis.Presented as Oral Paper in the award category during the ISPNCON 2021 held in virtual mode in Dec 2021.
2. Hypertension among adolescents with signs and symptoms of stress using ambulatory blood pressure monitoring . Bamnawat H, Mittal A, Deora S, Swami M, Singh K.Oral paper at Adolescon 2021: won first prize in award paper category
3. Hypertension among adolescents with signs and symptoms of stress using ambulatory blood pressure monitoring . Bamnawat H, Mittal A, Deora S, Swami M, Singh K: Poster presentation At 33rd Annual conference of ISPN-ISPNCON2021, Bhopal India Dec 2021
4. Use of Early Hemodialysis in severe carbamazepine poisoning improves outcomes: a case series. Paul B, Chaudhary B, Mittal A, Nadig P. Poster presentation At 33rd Annual conference of ISPN-ISPNCON2021, Bhopal India Dec 2021
5. Use of Early Hemodialysis in severe carbamazepine poisoning improves outcomes: a case series. Paul B, Chaudhary B, Mittal A, Nadig P, Singh K:Award won by Dr Bharat for case discussion at World Academic Congress of Emergency Medicine(WACEM, EPICON) in Dec 2021
6. Venom induced consumptive coagulopathy leading to Thrombotic Microangiopathy following *Echis carinatus sochureki* bite- Is ASV effective ?? Parihar V, Mittal A, Vishwajeet V , Nalwa A, Gupta A.Poster presentation at 33rd Annual conference of ISPN-ISPNCON2021, Bhopal India Dec 2021
7. A rare movement disorder in a child with post-infectious Glomerulonephritis. Singh A, Mittal A, Saini L. Poster presentation at 33rd Annual conference of ISPN-ISPNCON2021, Bhopal India Dec 2021
8. Aliza Mittal, Amarpal Singh, Aasma Nalwa, Kuldeep Singh. Percutaneous ultrasound guided renal biopsy in children: Experience at a tertiary care centre in Western India. 14th Asian Congress of Pediatric Nephrology, 29th March- 1st April 2021 Taipei, Taiwan
9. Aliza Mittal, Harshita Bamnawat, Aasma Nalwa,Daisy Khera, Prawin Kumar, Kuldeep Singh –Short-term Experience in Management of Pediatric SLE in Western Indian Ethnic Population Compared with Other Parts of. 14th Asian Congress of Pediatric Nephrology . 29th March- 1st April 2021 Taipei, Taiwan
10. Aliza Mittal, Amarpal Singh Vikarn Vishwajeet, Taruna Yadav, Pawan K Garg, Siyarm Didel. Calcified kidney in a young infant with Steven Johnson syndrome and Renal failure. 14th Asian Congress of Pediatric Nephrology **.** 29th March- 1st April 2021 Taipei, Taiwan

Invited Lectures

1. Invited speaker on “Oxygen Therapy ” as part of ETAT Workshop conducted by department of pediatrics, AIIMS Jodhpur
2. Panelist for panel discussion on “Antenatal Hydronephrosis” for ISPN Indian Society of Pediatric Nephrology Congress held in December 2021
3. Invited as chairperson to the IPNA-PCRRT-ICONIC procedures meeting as August 2021 and January 2022
4. Attended the IAP Indore branch Pediatric Nephrology Virtual CME as guest speaker on Renal Manifestations of COVID-19 in Pediatrics
5. Invited and attended as chairperson the ESI (Endocrine society of India) , satellite symposium at AIIMS Jodhpur

Resource Faculty:

1. Part of the committee for initiating *Telemedicine –forward triage and follow up* of patients with COVID-19 *under home isolation*
2. Part of the committee for designing the Digital Health Course with IIT Jodhpur
3. Member of the ISPN Website committee
4. Member of ISPN newsletter/news bulletin committee
5. Member of the Working Group on Long-term Outcome of Nephrotic Syndrome, formed for revising the Guidelines on Nephrotic Syndrome, XIth Annual Training Course in Pediatric Nephrology, held in 4th -6th April 2019, AIIMS Delhi [Attended virtually]
6. Part of the committee for initiating Telemedicine in the institute as an alternative system of providing consultation to (OPD)out patients during COVID-19 pandemic.
7. Member of the working group for formulating Guidelines for Management of Pediatric AKI
8. Member of the working group for "Pediatric Continuous Renal Replacement Therapy (PCRRT) expert committee recommendation on prescribing Renal replacement therapy in critically ill children with Liver Faliure" at The ISN World Congress of Nephrology, 12th -15th April 2019, Melbourne Australia [Attended Virtually]-Manuscript published in Feb 2022
9. Conducted the PDHANDSON 2022-IPNA endorsed AIIMS Jodhpur CME cum workshop on 27th March 2021 for residents in pediatrics at AIIMS Jodhpur with a *fund of 5000 USD* from IPNA (International Pediatric Nephrology Association) as Organizing Secretar

Research Project:

Ongoing:

As Principal Investigator

1. Endothelial dysfunction in children with CKD- Associating Circulating endothelial cells & markers of Mineral bone disease with endothelial function and atherosclerosis. – Intramural project- Research Cell AIIMS Jodhpur –Completed and report submitted in June 2021
2. Research on Nephrotic Syndrome: Participation in the Registry and Longitudinal Study Cohorts for Patients with Nephrotic Syndrome. Non Funded. Chief investigator from AIIMS Jodhpur centre, Collaboratng with AIIMS New Delhi- Project completed in July 2021
3. Indian registry and biorepository for patients with atypical hemolytic uremic syndrome- Multicentric project. Non Funded. Collaboratng with AIIMS New Delhi
4. Setting up of registry and targeted exome sequencing in children with renal tubular disorders- Indian Council of Medical Research. Multicentric study- Collaborating with AIIMS Bhopal
5. 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, yet to start recruitment
6. Ambulatory blood pressure nomogram derivation for Indian children: *A pioneer study* –Extramural Multi-center Project funded by ICMR yet to start recruitment
7. Evaluation of children with Nephrolithiasis/Nephrocalcinosis in a tertiary care center in western India
8. 8.An exploratory study on epidemiology of renal involvement in Pediatric patients with COVID-19 – Completed in Jan 2022
9. Urine abnormalities in MISC in Children- Completed in Feb 2022
10. Exploring the utility of telemedicine for Paediatric Nephrology at AIIMS Jodhpur: a study of patient outcomes, satisfaction and Compliance: on going PG Thesis
11. IPNA-ISPN-RRT Registry: Non funded prospective data collection registry

As Co-Investigator

1. Comparison of serum levels of Klotho in patients with Nephrotic syndrome with age and gender matched non nephrotic syndrome controls
2. Satellite centre 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. Predicting COVID-19 morbidity and mortality through epidemiological modelling: A data mining approach

Completed:

As Principal Investigator

1. Endothelial dysfunction in children with CKD- Associating Circulating endothelial cells & markers of Mineral bone disease with endothelial function and atherosclerosis. – Intramural project
2. Research on Nephrotic Syndrome: Participation in the Registry and Longitudinal Study Cohorts for Patients with Nephrotic Syndrome. Non Funded. Chief investigator from AIIMS Jodhpur centre, Collaborating with AIIMS New Delhi
3. An exploratory study on epidemiology of renal involvement in Pediatric patients with COVID-19
4. Urine abnormalities in MISC in Children

Membership/Post in Journal or Society or Association

1. Member of the IPNA- International Pediatric Nephrology Association
2. Member of Indian Society of Pediatric Nephrology- Member of Website Committee , Member of News Bulletin Committee

National/ International Conferences attended:

1. Attended the annual conference of the Indian Society of Pediatric Nephrology in December 2021 which was held in virtual mode as faculty for panel discussion on " Antenatal Hydronephrosis"
2. Attended, virtually the 14th Asian Congress of Pediatric Nephrology , Taiwan which was held in hybrid mode, and presented 3 e-posters
3. Attended the IPNA-PCRRT-ICONIC procedures meeting as chairperson in August 2021 and January 2022
4. Attended the IAP Indore branch Pediatric Nephrology Virtual CME as guest speaker on Renal Manifestations of COVID-19 in Pediatrics
5. Attended the ESI (Endocrine society of India) , satellite symposium at AIIMS Jodhpur as Faculty – Chairperson
6. Attended online training course in SPSS: Conducted by AIIMS Patna in July 2021

Examinership:

1. MBBS external examiner for RUHS, at SNMC Jodhpur, Dates: 21.4.21-24.4.21
2. External expert for RUHS exam, for Nephrology (Assistant Professor Exam)- For MCQ question paper, RUHS Ajmer, Feb 2022
3. Appointed External expert for Pediatric Nephrology by UPSC in April 2022.

Name of Faculty: Dr Siyaram Didel
Designation: Associate Professor

Workshops and Conferences Organized -

1. Childhood cancer data collection and compilement 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)
2. Online organization of SMA awareness CME – SMArt Update 2021 – SMA reimagined with new therapeutic intervention" August,25th 2021
3. World Down Syndrome Day Celebration in department of pediatric with collaboration NIDAN and with local Down Syndrome society and families. (March 21, 2022)
4. Faculty in the Emergency Triage Assessment and Treatment Workshop – multiple sessions conducted throughout the year.

Papers / Poster Presented:

1. Disseminated Tuberculosis in a child receiving intensive chemotherapy for Acute B Cell ALL; A rare presentation. (PHOCON – 2021 Virtual)
2. AML mimicking Gullian barre syndrome in a child- A rare case presentation. (Haematocon – 2021 Virtual)
3. B -cell acute lymphoblastic leukemia in sibling brothers. (PHOCON – 2021 Virtual)
4. Revisiting Down syndrome leukemia – Transient V/s Permanent. (PHOCON – 2021 Virtual)
5. Masked Megaloblastosis: Is it Common in Paediatric Age Group?
6. How Common is Pancytopenia as Reason for Bone Marrow Examination: A Short Study from a Tertiary Care Centre of Western Rajasthan ((Haematocon – 2021 Virtual)
7. Neurological complications in children with hematological malignancies from a tertiary care center in India : under reported and very much treated (Neurocon 21)

Invited Lectures:

1. Hematology Update Review Series-2021" July 2021 (Talk on Sickle Cell Disease) (by IAP Jaipur and manage health foundation)
2. Invited Faculty and Panelist – "Sickle Cell Disease Workshop" November 23, 2021 By Ministry of Tribal Affairs – Health Cell
3. Faculty – IPNA endorsed AIIMS Jodhpur Pediatric Nephrology Workshop cum CME" 27th Februrary 2022.
4. Invited Faculty and Panelist – State level workshop – Clinician's training blood – Blood safety starts with patient blood management" (RSACS and RSBTC) March,28-29 2022 (Pediatric blood management –dose v/s unit)

Research Project: -

Ongoing –

Principal Investigator

1. Cost of illness analysis for treatment Paediatric haematological Cancers

2. “Assessment of nutritional anaemia and it’s significant predictors in children from age group of 1 month to 59 months in western Rajasthan – a hospital based cross sectional study”
3. “Clinical profile and outcome of children admitted in PICU with critical hemato oncological illness: A retrospective study in tertiary center in North-western India”

Co-Investigator

1. Evaluation of common mutations during prenatal genetic testing in at-risk beta-thalassemia couples in Western Rajasthan
2. Screening for Spinal Muscular Atrophy by using Droplet Digital Polymerase Chain Reaction at AIIMS Jodhpur
3. “Screening of Sickle Cell Disease (SCD) among Tribal Population in Aspirational district of Sirohi, Rajasthan - A Need Assessment & Awareness Initiative”
4. Microbiological Characterization and molecular differentiation of Corynebacterium spp isolated from clinical specimen from a tertiary hospital from western Rajasthan.
5. Use of furosemide stress test and cystatin-c as predictive Markers of acute kidney injury progression in children: A prospective cohort study
6. Assessment of renal angina index and cystatin C as predictive markers in Acute kidney injury in children with septic shock: a prospective cohort study.
7. “Prevalence of numerical chromosomal aberrations in acute lymphoblastic leukemia in western Rajasthan population: pilot study”.
8. Role of whole body MRI in lymphoma staging: a comparison with Composite reference standard including 18 F-FDG-PET/CT
9. Childhood cancer data collection and compilement 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)
10. Role of modified age adjusted qSOFA score in predicting disease severity and mortality in children with suspected bacterial infection
11. Lutetium-177 hydroxyapatite radiosynoviorthesis in Chronic inflammatory arthritis and refractory Arthropathies of the knee joint.
12. Prevalence & Characterization of Platelet Alloimmunization & role of ABO matched vs Cross Matched Platelet transfusion in Haemato-Oncology Patients: PLATO Trial
13. Clinical, biochemical and microbiological profile of paediatric acute leukemia patients having febrile neutropenia while on chemotherapy – a cross sectional study
14. 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

Membership/Post in Journal or Society or Association

1. International Society of Paediatric Oncology (SIOP)

Workshop attended:

1. BGCI – 2021 (2-4 July)
2. PHOCON 21 (Dec 10-11, 2021)
3. “Practice Changing Evidence in the Management of Pediatric Acute Lymphoblastic Leukemia”. (February 08-28, 2022)

Name of Faculty: Dr Lokesh Saini
Designation: Assistant Professor

Workshops and Conferences organized:

1. Online organization of SMA awareness CME – SMArt Update 2021 – SMA reimagined with new therapeutic intervention" August25th 2021
2. Faculty in the Emergency Triage Assessment and Treatment Workshop – multiple sessions conducted throughout the year.
3. Faculty in the World Kidney Day – Peritoneal Dialysis Workshop at AIIMS Jodhpur- March 2021

Papers / Poster Presented:

1. Saini L, Krishna D, Tiwari S, Khera D, Kumar P, Goyal J, Choudhary B , Singh K. Post Covid 19 Immune Mediated Neurological Manifestations in Children : A single centre study. 74TH Annual AAN meeting Seattle, USA(Virtual)
2. Bhagwat C, Saini C, Saini AG, Sankhyan N, Kumar P, Sharma R, Einspieler C. Utility of General Movement Assessment (GMA) in predicting the neurodevelopmental outcomes of term and late preterm infants exposed to severe hyperbilirubinemia in the neonatal period. 74TH Annual AAN meeting Seattle, USA(Virtual)
3. Tyagi P, Krishna D, Saini L, Khera D, Choudhary B, Tiwari S, Singh K. Neurological manifestations in children with dengue fever: Not Always Benign-A retrospective study. AOCN – Child Neurocon 2022 Ahmedabad.
4. Saini L. Dopa-responsivedystonia: what are the options beyond L dopa. 2021 IANCON. BENGLURU(Virtual)
5. Saini L, Mukherjee S, Gunasekaran PK, Malhi P, Saini AG, Suthar R, Sankhyan N.Neurodevelopmental outcomes in children with neurocutaneous syndromes. AOCN – Child Neurocon 2022 Ahmedabad.
6. krishna D, Saini LTiwari S, khera D, Kumar P, Goyal J, Choudhary B , Singh K. Post Covid 19 Immune Mediated Neurological Manifestations in Children. An ambispective study. AOCN – Child Neurocon 2022 Ahmedabad.
7. Saini L, Mukherjee S,Gunasekaran P, Malhi P, Saini AG, Suthar R, Sankhyan N. Sleep in children with neurocutaneous syndromes. AOCN – Child Neurocon 2022 Ahmedabad.
8. krishna D, Saini L,Tiwari S, khera D, Kumar P, Goyal J, Choudhary B, Singh K Guillain Barre Syndrome in the era of COVID 19- is it different ! AOCN – Child Neurocon 2022 Ahmedabad.

Invited Lectures:

1. Gujarat IAP - Online lectures as a subject expert for case presentation series in Sep 2021
2. Gujarat IAP - Online lecture series as a subject expert in Nov 2021
3. Tamil Nadu IAP Madurai Chapter - Online lecture series as a subject expert in June 2021
4. Telangana IAP - Online lecture series as a subject expert for case presentation in Aug 2021

Research Project:

Ongoing

Principal Investigatoe:

1. Post COVID neurological complications in children. (July 2021)

2. Comparison of COVID-19 vaccine hesitancy in parents from medical and non-medical fields, An exploratory survey. (Sep 2021)
3. GBS in the era of covid 19, is it different{march 2022)
4. Artificial Intelligence platform to develop diagnostic and personalised Applied Behaviour Analysis (ABA) based intervention for autism spectrum disorder (ASD). (Aug 2021)

Scientific Awards/Patents:

1. International fellowship award by American Academy of Neurology

Membership/Post in Journal or Society or Association

1. Life Member of Indian Academy of Neurology(IAN)
2. Life Member of Indian epilepsy society(IES)
3. American Academy of Neurology(AAN)
4. Life member of association of Child Neurology(AOCN)

Name of Faculty: Dr Bharat Choudhary
Designation: Associate Professor (Trauma & Emergency)

Department of Pharmacology

S.No.	Name	Designation
1	Dr. Sneha Ambwani	Professor & Head
2	Dr. Surjit Singh	Additional Professor
3	Dr. Pradeep Dwivedi	Associate Professor
4	Dr. Jaykaran Charan	Associate Professor
5	Dr. Shoban Babu Varthya	Assistant Professor
6	Dr. Rimplejeet Kaur	Assistant Professor

About the Department

The Department of Pharmacology at All India Institute of Medical Sciences, Jodhpur is engaged in teaching undergraduates, postgraduates and conducting integrated lectures in collaboration with other departments. Department is successfully participating in the online-offline teaching activities of the institute. We also undertake CAL (Computer Assisted Learning) in both online and offline mode for both postgraduates and undergraduates for better clarity and comprehension of practical. We have introduced CBME (Competency Based Medical Education) in our practical for the UGs this year. New drug dosage forms and demonstration of drug administration on mannequins have been taught individually to all the Undergraduates. We are continuously involved in the sensitization of hospital staff about the adverse drug reactions. Department of Pharmacology, AIIMS Jodhpur in collaboration with Dr. Reddy's Laboratories, an Indian multinational pharmaceutical company conducted a fundamentals of good clinical practice (GCP), online workshop on 15th Jan 2022 at AIIMS Jodhpur. National Pharmacovigilance week (17-23 Sep 2021) was celebrated at the institute comprising multiple activities (Quiz, Poster Competition, Awareness Video Competition, and Essay Competition). The winners of various competitions were awarded certificates and trophies by the Director AIIMS Jodhpur. Department of Pharmacology experiments with innovative teaching learning techniques to improve understanding among undergraduates. In continuation, a visit to Herbal Garden at AIIMS Jodhpur was conducted to inform undergraduates along with postgraduates about the ethnopharmacology. A Drug Safety Sensitization Seminar was conducted for the Faculty & Residents of the Institute. The department received funding from various funding agencies like ICMR, etc. The Department of Pharmacology is a designated “Adverse Drug Monitoring Centre” (AMC) under “Pharmacovigilance Programme of India” (PvPI) since 2014. The Department has contributed more than 1500 adverse drug reaction (ADR) reports so far to Vigi Flow database. Department is also designated as to establish Materiovigilance centre at AIIMS, Jodhpur & in planning to establish a “Toxicovigilance, & Hemovigilance Centre”. Department is also keen to establish “Drug information centre”.

Apart from regular teaching activities, department faculties are engaged in various research projects, the details of which are given below. The department is also planning to initiate Pharmacogenomics for various drugs. We also intended to start the Pharmaceutical industry sensitization programme for junior residents in collaboration with Boehringer Ingelheim India Pvt. Ltd. And CROs like Kai 3, Chennai. The purpose of exposure of this is to give exposure to our students regarding Clinical Research, medico marketing and ICSR/PSUR generation. This will increase their competence in securing jobs in pharmaceutical industries. CPCSEA certified “Animal house” will be start soon, an essential requirement of the institute. Animals kept would be utilized by faculty members after institution’s ethical clearance; for research work or skill development.

Compiled list of Publications of the department:

Pubmed Indexed:

1. Dutta S, Kumar T, Charan J, Singh S, Ambwani S, Varthya S. Euglycemic diabetic ketoacidosis associated with SGLT2 inhibitors: A systematic review and quantitative analysis. Journal of Family Medicine and Primary Care 2022:11;927-40.
2. Ambwani S, Dutta S, Mishra G, Lal H, Singh S, Charan J. Adverse Drug Reactions Associated With Drugs Prescribed in Psychiatry: A Retrospective Descriptive Analysis in a Tertiary Care Hospital. Cureus 13(11): 2021. e19493.
3. Dutta S, Kaur R, Charan J, Bhardwaj P, Ambwani S, Babu S, Goyal JP, Haque M. Analysis of Neurological Adverse Events Reported in VigiBase From COVID-19 Vaccines. Cureus 2022 Jan 18;14(1):e21376.
4. Charan J, Riyad P, Ram H, Purohit A, Ambwani S, Kashyap P, Singh G, Hashem A, Abd Allah e, Gupta V, Kumar A, Panwar A. Amelioration in dyslipidemia and atherosclerotic plaque by the inhibition of HMG CoA reductase and antioxidant potential of phytoconstituents of an aqueous seed extract of Acacia Senegal (L.) Wild in rabbits. Plos One. 2022 Mar 3;17(3):e0264646.
5. Dutta S, Kaur R, Bhardwaj P, Ambwani S, Godman B, Jha P, Sukhija S, Venketesh S, Lugova H, Islam S, Charan J, Haque M. Demand of COVID-19 medicines without prescription among community pharmacies in Jodhpur, India: findings and implications. J Family Med Prim Care 2022;11:503-511.
6. Charan J, Dutta S, Kaur R, Bhardwaj P, Sharma P, Ambwani S, Jahan I, Abubakar AR, Islam S, Hardcastle TC, Rahman NA. Tocilizumab in COVID-19: a study of adverse drug events reported in the WHO database. Expert opinion on drug safety. 2021 Sep 2;20(9):1125-36..
7. Dutta S, Kaur R, Charan J, Bhardwaj P, Ambwani SR, Babu S, Goyal JP, Haque M. Analysis of Neurological Adverse Events Reported in VigiBase From COVID-19 Vaccines. Cureus. 2022 Jan 18;14(1):e21376. Cardiovascular Adverse Events Reported from COVID-19 Vaccines: A Study Based on WHO Database.
8. Singh S, Khera D, Chugh A, Khera PS, Chugh VK. Efficacy and safety of remdesivir in COVID-19 caused by SARS-CoV-2: A systematic review and meta-analysis. BMJ Open 2021;11:e048416.
9. Singh S; Khera D; Chugh A; Khasbage S; Khera PS; Chugh VK. BCG vaccination impact on mortality and recovery rates in COVID-19: A meta-analysis. Monaldi Archives for Chest Disease. 2021;91.
10. Singh S, Dutta S, Khasbage S, Kumar T, Sachin J, Sharma J, Varthya SB. A systematic review and meta-analysis of efficacy and safety of Romosozumab in postmenopausal osteoporosis. Osteoporos Int. 2022 Jan;33(1):1-12.
11. Mittal C, Singh S, Kumar-M P, Varthya SB. Toxicoepidemiology of poisoning exhibited in Indian population from 2010 to 2020: a systematic review and meta-analysis. BMJ Open. 2021 May 24;11(5):e045182.
12. Debbarma R, Khera D, Singh S, Toteja N, Choudhary B, Singh K. Nebulized Magnesium Sulphate in Bronchiolitis: A Randomized Controlled Trial. Indian Journal of Pediatrics.
13. Mittal N, Mittal R, Gupta MC, Kaushal J, Chugh A, Khera D, Singh S. Systematic review and meta-analysis of efficacy and safety of hydroxychloroquine and chloroquine in the treatment of COVID-19. JFamily Med Prim Care 2021;10:2126-39.
14. Mittal N, Sehray V, Mittal R, Singh S. Reno-protective potential of sodium glucose cotransporter-2 (SGLT2) inhibitors: Summary evidence from clinical and real-world data. European Journal of Pharmacology. 2021; 907: 174320.
15. Gosal JS, Ruparelia J, Garg M, Bhaskar S, Singh S, Jha DK. Modified Taylor Retractor in Unilateral Subperiosteal Lumbar Microdiscectomy: A Frugal Alternative to the Tubular Retractor. World Neurosurg. 2021 Aug;152:44-55.

16. Khera D, Chugh A, Khasbage S, Singh S. Does bacille calmette–Guérin vaccination provides protection against COVID-19: A systematic review and meta-analysis. Indian Journal of Community Medicine: Official Publication of Indian Association of Preventive & Social Medicine. 2021; 46: 592–599.
17. Warrier V, Kanchan T, Shedge R, Krishan K, Singh S. Computed tomographic age estimation from the pubic symphysis using the Suchey-Brooks method: A Systematic Review and Meta-analysis. Forensic Science International. 2021 Aug 1;325:110811.
18. Khera PS, Garg PK, Tiwari S, Bhargava N, Singh S et al. Retrograde Transvenous Obliteration of Gastric Varices using Sodium Tetradecyl Sulphate: Technical Considerations and Results from a Single Institution Retrospective Study. J Clin Interv Radiol ISVIR. 2021.00.
19. Chugh A; Singh S; Khatana S; Gaur S; Patnana AK; Chugh VK; Kumar P. The Clinical Efficacy of EMLA as a Topical Anesthetic Agent Instead of Palatal Injection During Maxillary Dental Extractions: A Randomized Controlled Trial. Journal of Maxillofacial and Oral Surgery. 2021.
20. Garg PK, Khera PS, Saxena S, Singh S et al. Chest-X-ray-based scoring, total leukocyte count, and neutrophil-tolymphocyte ratio for prediction of COVID-19 in patients with severe acute respiratory illness. Turk Thorac J 2021; 22(2): 130-6.
21. Kuwal A, Advani M, Dutt N, Singh S et al. Diagnostic accuracy of semirigid thoracoscopy in exudative pleural effusions and relationship of thoracoscopic findings with probability of malignant diagnosis. Monaldi Arch Chest Dis 2021;xx:1554.
22. Chugh A, Jain G, Gaur S, Pg G, Kumar P, Singh S. Transformational Effect of COVID Pandemic on Postgraduate Programme in Oral and Maxillofacial Surgery in India—A Trainee Perspective. Journal of Maxillofacial and Oral Surgery. 2021.
23. Parihar S, Kaur RJ, Singh S. Flashback and lessons learnt from history of pandemics before COVID-19. J Family Med Prim Care 2021;10:2441-9.
24. Sharma A, Sharma RP, Kaur R, Sharma R, Singh S. A comprehensive insight on the COVID-19 vaccine candidates. J Family Med Prim Care 2021;10:2457-66.
25. Singh S. Few concerns about Evidence- Feasibility and safety of performing Caesarean myomectomy: A systematic review and meta-analysis. The journal of Maternal-Fetal and Neonatal Medicine. 10.1080/14767058.2021.1951210.
26. Yadav SS, Singh MK, Hussain S, Dwivedi P, Khattri S, Singh K. Therapeutic spectrum of piperine for clinical practice: a scoping review. Crit Rev Food Sci Nutr. 2022 Jan 7:1-28.
27. Rana D, Salave S, Perla A, Nadkarni A, Kohle S, Jindal AB, Mandoli A, Dwivedi P, Benival D. Bugs as Drugs: Understanding the Linkage between Gut Microbiota and Cancer Treatment Microbiome in Cancer Therapy. Curr Drug Targets. 2022 Mar 9.
28. Hussain S, Yadav SS, Dwivedi P, Banerjee M, Usman K, Nath R, Khattri S. SNPs of FOXO1 and Their Interactions Contributes to the Enhanced Risk of Diabetes Among Elderly Individuals. DNA Cell Biol. 2022 Apr;41(4):381-389.
29. Dwivedi R, Dwivedi P, Yadav SS, Bohra GK, Bhardwaj A, Dutt N, et al. A community cross-sectional study on knowledge attitude and practice of prevention of COVID-19 among traditional tribal healers in the tribal subpopulation zone of Sirohi district of Rajasthan. Int J Community Med Public Health 2022;9:1324-31.
30. Kumar P, Tomo S, Purohit P, Sankanagoudar S, Charan J, Purohit A, et al . Comparative analysis of serum zinc, copper and magnesium level and their relations in association with severity and mortality in SARS-CoV-2 patients. Biological Trace Element Research 2022 10.1007/s12011-022-03124-7.
31. Bhardwaj P, Joshi NK, Gupta MK, Goel AD, Saurabh S, Charan J, et al. Analysis of Facility and Home Isolation Strategies in COVID 19 Pandemic: Evidence from Jodhpur, India. Infect Drug Resist 2021:14;2233-2239.

32. Sharma A, Agarwal A, Sindhwani G, Sharma A, Tomo S, Charan J et al. Efficacy of procalcitonin and pentraxin-3 as early biomarkers for differential diagnosis of pleural effusions. Pleura Peritoneum 2021;6;83-90.
33. GBD 2019 Ageing Collaborators. Global, regional and national burden of disease and injuries for adults 70 years and older: systematic analysis for the Global Burden of Disease 2019 study. BMJ 2022;376:e068208.
34. Kumar P, Thakur C, Goyal JP, Charan J, Singh K. Hindi Translation and Validation of Childhood Asthma Control Test (C-ACT). Indian Pediatr 2022;59:296-300.
35. Kumar J, Kumar P, Goyal JP, Thakur C, Choudhary P, Meena J, Charan J, et al. Vitamin D Supplementation in Childhood Asthma: A Systematic Review and Meta-analysis of Randomised Controlled Trials. ERJ Open Res 2022; 8(1): 00662-2021.
36. Sharma A, Singh A, Dar MA, Kaur RJ, Charan J, Iskandar K, Haque M, Murti K, Ravichandiran V, Dhingra S. Menace of antimicrobial resistance in LMICs: Current surveillance practices and control measures to tackle hostility. Journal of Infection and Public Health. 2021 Dec 17.
37. Khandker SS, Godman B, Jawad MI, Meghla BA, Tisha TA, Khondoker MU, Charan J, et al. A Systematic Review on COVID-19 Vaccine Strategies, Their Effectiveness, and Issues. Vaccines [Internet] 2021;9:1387.
38. Dutta S, Rahman S, Ahmad R, Kumar T, Dutta G, Benerjee S, Abubakar AR, Rowaiye AB, Dhingra S, Ravichandran V, Kumar S, Sharma P, Haque M, Charan J. An Evidence-Based Review of Neuronal Cholesterol Role in Dementia and Statins as A Pharmacotherapy in Reducing Risk of Dementia. Expert Rev Neurother 2021:21;1455-1472.
39. GBD 2019 Adolescent Mortality Collaborators. Global, regional and national mortality among young people aged 10-24 years, 1950 – 2019: a systematic analysis for the Global Burden of Disease Study 2019. The Lancet 2021;398:1593-1618.
40. Kinyoki D, Osgood-Zimmerman AE, Bhattacharjee NV; Local Burden of Disease Anaemia Collaborators, Kassebaum NJ, Hay SI. Anemia prevalence in women of reproductive age in low- and middle-income countries between 2000 and 2018. Nat Med. 2021;27:1761-1782.
41. GBD 2019 Tuberculosis Collaborators. Global, regional, and national sex differences in the global burden of tuberculosis by HIV status, 1990-2019: results from the Global Burden of Disease Study 2019. Lancet Infect Dis 2022;22:222-241.
42. Global Burden of Disease 2020 Health Financing Collaborator Network. Tracking development assistance for health and for COVID-19: a review of development assistance, government, out-of-pocket, and other private spending on health for 204 countries and territories, 1990-2050. Lancet. 2022;398:1317-1343.
43. GBD 2019 Stroke Collaborators. Global, regional, and national burden of stroke and its risk factors, 1990-2019: A systematic analysis for the Global Burden of Disease Study 2019. Lancet Neurol 2021;20:795-820.
44. GBD 2019 Under-5 Mortality Collaborators. Global, regional, and national progress towards Sustainable Development Goal 3.2 for neonatal and child health: all-cause and cause-specific mortality findings from the Global Burden of Disease Study 2019. Lancet 2021;398:870-905.
45. Kaur R, Dutta S, Charan J, Bhardwaj P, Tandon A, Yadav D, Islam S, Haque M. Cardiovascular Adverse Events Reported from COVID -19 Vaccines: A Study Based on WHO Database. Int J Gen Med. 2021;14:3909-3927.
46. GBD 2020, Release 1, Vaccine Coverage Collaborators. Measuring routine childhood vaccination coverage in 204 countries and territories, 1980-2019: a systematic analysis for the Global Burden of Disease Study 2020, Release 1. Lancet 2021;398:503-521.

47. Godman B, Haque M, Kumar S, Islam S, Charan J, Akter F, Kurdi A, et al. Current utilisation patterns for long-acting insulin analogues including biosimilars among selected Asian countries and the implications for the future. Curr Med Res Opi 2021;37:1529-1545.
48. Deora S, Sharma J, Sharma S, Chaudhry N, Kaushik A, Choudhry R, Charan J, et al. Clinical characteristic, red blood cell indices, iron profile and prognosis of heart failure in females. Glob Cardiol Sci Pract 2021;2021(2): e202113.
49. Local Burden of Disease Exclusive Breastfeeding Collaborators. Mapping inequalities in exclusive breastfeeding in low- and middle-income countries, 2000-2018. Nat Hum Behav 2021;5:1027-1045.
50. Local Burden of Disease HIV Collaborators. Subnational mapping of HIV incidence and mortality among individuals aged 15-49 years in sub-Saharan Africa, 2000-18: a modelling study. Lancet HIV 2021;8:E363-e375.
51. Shah K, Charan J, Sinha A, Saxena D. Retraction rates of research articles addressing COVID-19 pandemic: Is it the evolving COVID epidemiology or scientific misconduct? Indian J Community Med 2021; 46:352-4.
52. Bhardwaj P, Joshi NK, Gupta MK, Goel AD, Saurabh S, Charan J et al. Analysis of Facility and Home Isolation Strategies in COVID 19 Pandemic: Evidences from Jodhpur, India. Infect Drug Resist. 2021;14:2233-2239.
53. Godman B, Haque M, Leong T, Allocati E, Kumar S, Islam S, Charan J, et al. The current situation regarding long acting insulin analogues including biosimilars among African, Asian, European and South American countries; findings and implications for the future. Front Public Health 2021;9:671961.
54. GBD 2019 Hearing Loss Collaborators. Hearing loss prevalence and years lived with disability, 1990–2019: findings from the Global Burden of Disease Study 2019. Lancet 2021;397; 10278:996-1009.
55. Kaur RJ, Dutta S, Bhardwaj P, Charan J, Dhingra S, Mitra P, Singh K, Yadav D, Sharma P, Misra S. Adverse events reported from COVID-19 vaccine trials: a systematic review. Indian Journal of Clinical Biochemistry. 2021 Oct;36(4):427-39.
56. Charan J, Saxena D, Chaudhri M, Dutta S, Kaur RJ, Bhardwaj P. Opinion of primary care physicians regarding prescription of generic drugs: A Cross-sectional study. J Family Med Prim Care. 2021;10(3):1390-1398.
57. Vinay K, Narayan V, Thakur V, Choudhary R, Narang T, Dogra S, Varthya SB. Efficacy and safety of phenol based partial matricectomy in treatment of onychocryptosis: A systematic review and meta-analysis. J Eur Acad Dermatol Venereol. 2021 Dec 16.
58. Kondeti AK, Yadala A, Rajya Lakshmi N, Prakash CSK, Palat G, Varthya SB. Assessment of Caregiving Burden of Family Caregivers of Advanced Cancer Patients and Their Satisfaction with the Dedicated Inpatient Palliative Care Provided to Their Patients: A Cross-Sectional Study from a Tertiary Care Centre in South Asia. Asian Pac J Cancer Prev. 2021 Jul 1;22(7):2109-2115.
59. Chenchul S, Varthya SB, R P. Rationality, Efficacy, Tolerability of Empagliflozin plus Linagliptin Combination for the Management of Type 2 Diabetes Mellitus: A Systematic review of randomized controlled trials and observational studies. Curr Diabetes Rev. 2021 Sep 10.
60. Renal Histopathological changes in COVID 19 Patients: A systematic review and meta-analysis of individual patient data.
61. Godman B, Kaur RJ, Acharya J, Khan TA, Hussain S, Saleem Z et al. Current utilization patterns for long-acting insulin analogues including biosimilars among selected Asian countries and the implications for the future. Curr Med Res Opin. 2021 Sep;37(9):1529-1545.
62. Godman B, Haque M, Leong T, Allocati E, Kaur RJ et al. The Current Situation Regarding Long-Acting Insulin Analogues Including Biosimilars Among African, Asian, European, and South American Countries; Findings and Implications for the Future. Front Public Health. 2021 Jun 24;9:671961.

63. Kaur RJ, Dutta S, Bhardwaj P, et al. Adverse Events Reported From COVID-19 Vaccine Trials: A Systematic Review. Indian J Clin Biochem. 2021;36(4):427-439.

Non Pubmed Indexed:

1. Jaykaran Charan, Rimplejeet Kaur, Pankaj Bhardwaj, Kuldeep Singh, Sneha R. Ambwani, Sanjeev Misra. Sample Size Calculation in Medical Research: A Primer. Ann Natl Acad Med Sci (India) 2021;57:74-80.
2. Dutta S, Kaur R, Bhardwaj P, Sharma P, Ambwani S, Islam S, Tandon A, Abhayanad JP, Sukhija S, Venkatesh S, Misra S, Haque M, Charan J. Adverse events reported from the COVID-19 vaccines: A descriptive study based on the WHO database (VigiBase). Journal of Applied Pharmaceutical Science 2021;11:1-9.
3. Dutta S, Vegada B, Tank ND, Charan J, Rustagi N, Ambwani S. Assessment of Medical Students Perception Regarding Educational Environment at Different Phases of Medical Education in a Tertiary Centre Medical College using Dundee Ready Educational Environment Measures (DREEM) questionnaire. International Journal of Pharmaceutical Science Review and Research 2022:72;63-72.
4. Dutta S, Lal H, Kumar T, Mishra G, Charan J, Ambwani S, et al. Knowledge, Attitude, Practice among Healthcare Workers regarding COVID-19: An Online Questionnaire-based Study. International Journal of Pharmaceutical Sciences Review and Research 2021;69(2):238-244.
5. Ambwani S, Kaur R. Impact of oral cannabis consumption on health: A cross-sectional study. Journal of Pharmacology and Pharmacotherapeutics. 2021;12(2):91-93.
6. Jaykaran Charan, Rimplejeet Kaur, Pankaj Bhardwaj, Kuldeep Singh, Sneha R. Ambwani, Sanjeev Misra. Sample Size Calculation in Medical Research: A Primer. Ann Natl Acad Med Sci (India) 2021;57:74-80.
7. Siddhartha D, Rimple Jeet K, Pankaj B, Praveen S, Sneha A, Salequl I et al. Adverse events reported from the COVID-19 vaccines: A descriptive study based on the WHO database (VigiBase®). Journal of Applied Pharmaceutical Science. 2021;11(08):001-009.
8. Dutta S, Kaur R, Bhardwaj P, Deora S, Singh K, Ambwani S et al. Hydroxychloroquine as Therapeutic Option in COVID-19: Analysis of Suspected Cardiovascular Adverse Drug Events Reported in the VigiBase. Bangladesh Journal of Medical Science. 2021;20(4):897-910.
9. Abubakar, A., Sani, I., Malami, S., Yaro, A., Jahan, I., Charan, J. et al. Anxiety Disorders: Recent Global Approach to Neuro-pathogenesis, Drug Treatment, Cognitive Behavioral Therapy, and Their Implications. Bangladesh Journal of Medical Science 2021;20(3):487-503.
10. Shah K, Singhal D, Patel A, Gadhavi B, Charan J, Gaidhane A, Saxena D. Dry eye Disease During COVID-19 : Need for Investment Into Research to Develop Solutions? , Indian Journal of Forensic Medicine & Toxicology 2021:15: 409-412.
11. Ram H, Kala C, Sen K, Sakarwal A, Charan J, Sharma P, et al. In-vitro and in-silico determinations of HMG-CoA reductase inhibition potential of caffeic acid for therapeutics of hypercholesterolemia. Journal of Applied Pharmaceutical Science 2022;12(1):190-198.
12. Dar MA, Chauhan P, Kumar P, Chauhan R, Murti K, Charan J, et al. Safety, efficacy, and immunogenicity of COVAXIN: A review. Journal of Applied Pharmaceutical Science 2021;11:18-25.
13. Ram H, Jaipal N, Charan J, Kashyap P, Kumar S. Efficacy of small molecule Phytochemicals of petroleum ether pod extract of Prosopis cineraria (L.) Druce on HMG-CoA Reductase and biomarkers indices of lipoproteins: In-vivo and In-silico study. Biointerface Research in Applied Chemistry 2021:12;2988-3001.
14. Varthya SB, Krishna H. Chemical characterization, adverse effects and potential toxicological effects of medical devices applied in gastrointestinal disease: a review. Int J Basic Clin Pharmacol 2021;10:1317-23.

15. Pugazhenthan Thangaraju, Shoban Babu Varthya, Prakash Srinivasan Timiri Shanmugam, T.Y. Sree Sudha, Chaitanya Mittal, Hydroxyprogesterone caproate for preterm birth: A situational analysis from the Indian perspective, Gynecology and Obstetrics Clinical Medicine, 2021.

Name of Faculty: Dr. Sneha R Ambwani
Designation: Professor and Head

Sessions Chaired:

1. Moderator a session in National online workshop on Good Clinical Practice, organized by National Association of Pharmacology and Therapeutics& AIIMS, Nagpur, 17th March 2022.
2. Chaired a session in XIIth National Conference on Health Professions Education at SGRD University of Health Sciences, Sri Amritsar, 26th -30th October 2021
3. Moderate a session in online National Workshop on CBME in Pharmacology (OSPE/OSCE Concepts & Design in Pharmacology) organized by National Association of Pharmacology and Therapeutics, on 27th September 2021.

Invited Lectures/Resource Faculty:

1. National online Workshop on Good Clinical Practice, organized by National Association of Pharmacology and Therapeutics& AIIMS, Nagpur, 17th March 2022.
2. National online Workshop on CBME (series 2) in Pharmacology organized by National Association of Pharmacology and Therapeutics, 6th -27th September 2021.
3. Workshop on Good Clinical Practice, Current Regulatory & Ethical Requirements Clinical trials/Research including Schedule Y organized by GMC Pali, (Rajasthan) on 16th July 2021.
4. Workshop on Good Clinical Practice, Current Regulatory & Ethical Requirements Clinical trials/Research including Schedule Y organized by GMC Barmer, (Rajasthan) on 9th April 2021.
5. Workshop on protocol design and introduction to evidence based medicine for PGs (MD/MS/DM/Mch) and Ph.D.

Research Project:
Completed:
As Principal Investigator:

1. The satisfaction level of undergraduate medical and nursing students regarding online classes across India: A questionnaire-based study.
2. A Retrospective Analysis of Reported Adverse Drug Reactions Various Department during year 2014-2020 in AIIMS Jodhpur.

As Co- Investigator:

1. Knowledge, Attitude, Practice regarding COVID-19 and associated Anxiety and Wellbeing among healthcare professionals in India: A questionnaire-based study.

Ongoing:
As Principal Investigator:

1. Prescription pattern & Pharmacoeconomic analysis of sedatives used in patients on mechanical ventilation in adult ICU.(MD thesis)
2. Haemodynamic & Economic Evaluation of sedatives used in Paediatric MRI.(MD thesis)

As Co- Investigator:

1. Chlorthalidone vs hydrochlorothiazide in combination of telmisartan in hypertensive patients: A randomized controlled trial.(MD thesis)
2. Efficacy and safety of Pregabalin vs Gabapentin among patients among patients with chronic pruritus: A randomized study.(MD thesis)
3. Comparison of Efficacy of Sinle dose morning, single Dose Bedtime and Divided Dose (Morning & Bedtime) Administration of Telmisartan in Patients of Stage 1 hypertension. (MD thesis)
4. E-surveillance using PRO-CTCAE to improve reporting in cancer patients undergoing chemotherapy.(MD thesis)
5. Circulating miRNA-21 levels in breast cancer patients before and after chemotherapy and its association with clinical improvement.(MD thesis)
6. Chronic Comorbidities and COVID-19: A cross-sectional study to assess the pattern and outcome in COVID Patients with Chronic comorbidities.
7. “Efficacy of Sulphonylureas in patients with polymorphism in KCNJ11-ABCC8 genetic locus: A prospective cohort study in T2DM patients in western Rajasthan”. Extramural-ICMR.
8. Initiating Antimicrobial Stewardship activities in hospitals in India (ICMR).
9. A Survey on burden of COVID-19 in Pharmacists and analysis of prescription and sales of various medications used in COVID-19.
10. Efficacy and safety of Panchkuta powder in the treatment of dyslipidemia: A randomized open label feasibility trial.[Extramural]
11. Analysis of neurological adverse events from COVID vaccines. A study based on VigiBase database.
12. 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.
13. 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).

Examinership/Paper setter of various Undergraduate/Post graduate:

1. MD examiner, GMC, Barmer, Rajasthan 7th -8th February 2022
2. MD examiner, Geetanjali University
3. MD examiner, AIIMS, Patna
4. MD examiner, AIIMS, Bhubaneswar
5. MBBS examiner, Dr. S.N. Medical College, Jodhpur UG- 19-22 April, 2021
6. MBBS examiner, Dr. S.N. Medical College, Jodhpur PG- 26, June, 2021
7. Thesis examiner, King George’s Medical University, Lucknow(UP)
8. Thesis examiner, JIPMER, Puducherry
9. Thesis examiner, AIIMS, Patna

Membership/Post in Journal or Society or Association:

1. Reviewer for Metabolic Syndrome & Related Disorders.
2. Reviewer for International Journal of Applied & Basic Medical Research.
3. Reviewer for Journal of Indian Academy of Geriatrics.
4. Reviewer for Dove Medical Press (Part of Taylor & Francis Group, the Academic Publishing Division of Informa PLC).

National/ International Conferences attended:

1. XIIth National Conference on Health Professions Education at SGRD University of Health Sciences, Sri Amritsar, 26th -30th October 2021.
2. Advanced Level training in pharmacovigilance organized by RTC, BJMC, Ahmedabad in collaboration with NCC-PVPI, IPC, Ghaziabad on 13th October 2021.
3. National CME-cum Workshop & Training on new Clinical Trial Rule 2019, GCP & IEC conducted by ISRPT in collaboration with Acharya Shri Chander College of Medical Sciences, Jammu, 4th September 2021.
4. Training on Signal Detection 7 Assessment in Pharmacovigilance organized by NIMS Hyderabad, in collaboration with IPC &ISCR on 3rd September 2021.
5. National online workshop on Good Clinical Practice, organized by National Association of Pharmacology and Therapeutics& AIIMS, Nagpur, 3rd -24th March 2022.
6. Pre Conference Workshop on "From Didactic To Competency Based Approach For Large Group Teaching" at XIIth National Conference on Health Professions Education at SGRD University of Health Sciences, Sri Amritsar, 26th -28th October 2021.
7. Pre Conference Workshop on "Self-Directed Learning" at XIIth National Conference on Health Professions Education at SGRD University of Health Sciences, Sri Amritsar, 26th -28th October 2021.
8. Pre Conference Workshop on "Teaching & assessing Soft Skills" at XIIth National Conference on Health Professions Education at SGRD University of Health Sciences, Sri Amritsar, 26th-28th Oct 2021.
9. National online Workshop on CBME in Pharmacology (OSPE/OSCE Concepts & Design in Pharmacology) organized by National Association of Pharmacology and Therapeutics, 6th 27th September 2021.
10. National online Workshop on Multivariate Analysis & Graphics With R-software, organized by Science Tech Institute, Lucknow, UP, 14th -18th June 2021.

Others:

1. Appointed as a Subject Expert for Selection of Faculty at AIIMS, Jodhpur (Rajasthan).
2. Appointed as a Subject Expert for Selection of Faculty at AIIMS, Bathinda, Punjab.
3. Appointed as a Subject Expert for Selection of Faculty at RML Institute of Medical Sci., Lucknow, UP.
4. Appointed as a Subject Expert for Selection of SR AIIMS, Bhubaneswar.

Name of Faculty: Dr. Surjit Singh
Designation: Additional Professor

Books/Chapters:

1. Khasbage S, Varthya SB, **Singh S**. "Role of NSIADs in COVID-19". A PharmacologicaL GUIDE TO Non Steroidal Anti Inflammaory Medications. (edi). Nova Science Publisher (New York). 2021. 333-348. ISBN: 978-1-53619-905-5(eBook).

Resource Faculty:

1. Organized Pharmacovigilance week under Theme "Pharmacovigilance: A step towards Patient Safety" from 17-23rd September, 2021, at AIIMS Jodhpur, under the guidance of PVPI, India.
2. Resource faculty for "Reviewers Training Workshop" conducted by Craniofacial Research Academy, in collaboration with KGMU and Elsevier Publisher's on 21st to 30th June, 2021.

3. Organizing member for “III Biomedical Research Competition – NBRCom-2021” a virtual and offline conference, conducted by Society of Young Biomedical Scientists in collaboration with AIIMS Jodhpur and other prestigious Institutes from 6th to 10th December, 2021.
4. Committee member from AIIMS Jodhpur for “Institutional network for strengthening country capacity for people-centred NCD care in the WHO South East Area Region” a SEAR NCD Service Delivery Network program by WHO.
5. Resource faculty for “Animal models of screening of Drugs” a joint venture for PhD students conducted by AIIMS Jodhpur, in collaboration with IIT-Jodhpur, from January to April 2022.
6. Resource faculty for AHA Certified BLS ACLS Instructor Course conducted at AIIMS Jodhpur, on 2-4th December 2021.
7. Resource faculty for AHA Certified BLS ACLS Instructor Course conducted at Government Medical College, Barmer, Rajasthan from 25th to 27th March, 2022.
8. Resource faculty for AHA Certified BLS ACLS Instructor Course conducted at AIIMS Jodhpur, from 31st March, to 2nd April 2022.

Research Projects:

Ongoing:

As Principal Investigator:

1. A cross sectional survey of knowledge, attitude and practice of clinical research principles among doctors in tertiary care hospital.
2. Knowledge, Attitude, and the Practice (KAP) of Pharmacovigilance among the healthcare professionals in a tertiary care hospital in Rajasthan, India.
3. 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”.
4. Randomized control study of efficacy and safety of Saroglitazar in Type 2 Diabetes Mellitus.[MD thesis]

Completed:

As Principal Investigator:

1. A comparative evaluation of gabapentin and duloxetine in painful diabetic neuropathy: a randomized control trial.[MD thesis]
2. A prospective randomized parallel group active controlled open label study to evaluate the effect of add-on pregabalin over standard analgesic treatment in the control of dental pain after 3rd molar surgery.[MD thesis]
3. Rheumatological manifestation and Drug Utilization study in diabetes mellitus.[MD thesis]
4. Efficacy and safety of remdesivir in COVID-19 caused by SARS-CoV-2: A systematic review and meta-analysis.
5. BCG vaccination impact on mortality and recovery rates in COVID-19: A meta-analysis.
6. A systematic review and meta-analysis of efficacy and safety of Romosozumab in postmenopausal osteoporosis.

As Co-Investigator:

1. Comparison of Effect of subcutaneous injection of Teriparatide and combination of Cissus Quadrangularis and Dalbergia Sissoo (Table Reunion) on bone healing against group in patients with maxillofacial fractures: A Randomized open label control trial. [MD thesis- July 2018]
2. Role of Nebulized Magnesium sulfate in Bronchiolitis: A Randomized controlled trial. MD thesis–Jun.20

3. Cost Variation and availability of essential medicines in drug stores in Jodhpur city: A cross sectional study. [MD thesis – January 2019]
4. Systematic review and meta-analysis of efficacy and safety of hydroxychloroquine and chloroquine in the treatment of COVID-19.
5. Does bacille calmette–Guérin vaccination provides protection against COVID-19: A systematic review and meta-analysis.
6. Computed tomographic age estimation from the pubic symphysis using the Suchey-Brooks method: A Systematic Review and Meta-analysis.
7. Vitamin D has no beneficial effect in Tuberculosis patients: A Systematic Review and meta-analysis.

Examinership:

1. Internal Examiner for the conduct of Final M.D. Pharmacology Examination at AIIMS Jodhpur, in June 2021.
2. Internal Examiner for the conduct of Final M.D. Pharmacology Examination at AIIMS Jodhpur, in December 2021.
3. External Examiner for the conduct of Final M.B.B.S Examination (Pharmacology) at Sardar Patel Medical College, Bikaner, on 7th to 9th February 2022, conducted by Rajasthan University.
4. External Examiner for the conduct of Final M.B.B.S Examination (Pharmacology) at Pt. Deendayal Upadhyaya Medical College, Churu, on 10th to 12th February 2022, conducted by Rajasthan University.
5. External Examiner for the conduct of Final M.B.B.S Examination (Pharmacology) at ABVMC and RML Hospital, New Delhi on 9th to 12th March 2022, conducted by Indraprastha University.
6. External Examiner ship for setting Question Paper for DM Examination (Clinical Pharmacology) at AIIMS, Rishikesh for December 2021.

Membership/ Post in Journal or Society or Association:

1. Membership of the American College of Clinical Pharmacology.

Any other information:

1. Responsible for full-fledged and smooth functioning of “Adverse Drug Monitoring Centre” (AMC) in the Department.

Name of Faculty: Dr. Pradeep Dwivedi
Designation: Associate Professor

Symposium Speaker:

1. “Make Trial Participation Less Burdensome for Participants”. Fundamentals of good clinical practice (gcp), online workshop,15th Jan 2022, AIIMS Jodhpur.

Resource Faculty:

1. Resource faculty for “Drug Screening & Testing” electives a joint venture for Mtech, Dual & PhD students conducted by AIIMS Jodhpur, in collaboration with IIT-Jodhpur, from January to April 2022.

Research Projects:

Ongoing:

As Principal Investigator:

1. Characterization of Transcriptional Landscape and Its Functional Role in Gingivo-Buccal Oral Squamous Cell Carcinoma for Targeted Drug Discovery. Gujarat State Biotechnology Mission-GSBTM, Rs. 78.25 Lakhs, NIPER Ahmedabad.
2. To establish Satellite Centre for Tribal Health & Research, Sirohi, Rajasthan. Ministry of Tribal Affairs, GoI, Rs. 555 Lakhs.
3. E-Surveillance Using Pro-CTCAE To Improve Reporting In Cancer Patients Receiving Chemotherapy.(MD thesis)

As Co-Investigator:

1. Screening of Sickle Cell Anaemia and Other Hemoglobinopathies in newborn, pregnant women (ANC) and family members in Rajasthan. National Health Mission Rajasthan, Rs. 145 Lakhs.
2. Research on Indigenous population of District Sirohi, Rajasthan::A Collaborative Project of AIIMS Jodhpur & Ministry of Tribal Affair, GOI. Ministry of Tribal Affairs, GoI, Rs. 49.6 Lakhs.
3. Role of Acetaminophen in affective & Social Decision making, DBT, 42.5 Lakhs, IIT Kanpur.
4. 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. ICMR, Rs. 29 Lakhs.
5. Incidence of Adverse Drug Reactions with antidepressants during early treatment period and its socio-demographic and clinical correlates. (MD thesis)

National/ International Conferences attended:

1. International webinar on “Ensuring the safety of medical devices focused on Ocular Devices” organized by NCC-MvPI, IPC, Online on April 09, 2021 (Friday).

Workshops/ Conferences Organized:

1. Fundamentals of good clinical practice (gcp), online workshop. organized by Dept. of Pharmacology, AIIMS Jodhpur on 15th Jan 2022 at AIIMS Jodhpur.
2. Sickle cell disease awareness and education workshop organized by Centre of Excellence for Tribal Health, AIIMS Jodhpur on 23rd Nov 2021 at AIIMS Jodhpur.

Examinership:

1. MBBS. SNMC Jodhpur, 1-3rd Feb 2022
2. MBBS. NIMS University, Jaipur, 26-29th April 2021
3. MBBS. SPMC Bikaner, 16-19th April 2021

Examinership for evaluation of thesis:

1. AIIMS Delhi

Membership/Post in Journal or Society or Association:

1. Life Member, Research Society for the Study of Diabetes in India.
2. Member, National Committee for Diagnosis and Implementation Strategies for Sickle Cell Disease, Ministry of Tribal Affairs, Govt. of India.
3. Adviser/Subject Expert at Union Public Service Commission, New Delhi.

Reviewer of the Journal:

1. Journal of Laboratory Physicians

Others:

1. MoU with IIT Kanpur for collaborative research in the area of Cognition Sciences.

Name of Faculty: Dr. Jaykaran Charan
Designation: Associate Professor

Books/Chapters:

1. **Charan J**. Sample Size Calculation. In: Thesis Writing The T, H, E, S, I, S Approach, Rajiv Mahajan (editor), 1st edition, New Delhi, Jaypee Brothers Medical Publishers 2022.

Papers Presented:

1. **Charan J,** Kaur RJ. Liver related adverse events reported in WHO database with use of Remdesivir in COVID-19, 30 March to 3rd April 2022, Seoul Korea. APASL 2022. [Presented virtually]

Research Projects:

As Principal Investigator:

1. Efficacy and safety of Panchkuta powder in the treatment of dyslipidemia: A randomized open label feasibility trial.[Extramural]
2. Pharmacotherapy of resistant hypertension in adults – Cochrane Review.
3. Analysis of neurological adverse events from COVID vaccines. A study based on VigiBase database.
4. Analysis of cardiovascular adverse events from the COVID vaccines. A study based on Vigibase database.
5. Efficacy and Safety of Vitamin D in Tuberculosis patients: A Systematic Review and meta-analysis.

As 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 NOQ19in 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 randomized, double blind, placebo controlled, multicentric trial to determine the therapeutic efficacy of Ayush medicine NOQ19 in treatment of symptomatic COVID-19 patients along with standard allopathic treatment. Extramural
5. 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
6. Interventions for treating antibody-mediated acute rejection in kidney transplant Recipients – Cochrane Review. [Old Project continuation]

Examinership:

1. External examiner: II MBBS Examination, Govt. Medical College, Dungarpur. Rajasthan 15 to 17 April 2021
2. External examiner: II MBBS Examination, S N Medical College. Rajasthan 19 to 22 April 2021
3. External examiner: II MBBS Examination (Suppl.), S N Medical College. Rajasthan. 26th August 2021

National/ International Conferences attended:

1. APASL 2022. Asia Pacific Association of Study of Liver, Seoul, Korea, 30 March to 3rd April. [Online]

Name of Faculty: Dr Shoban Babu Varthya
Designation: Assistant Professor

Books/Chapters:

1. Mittal C, **Varthya SB**, Kondeti AK. “NSAIDs Poisoning”. A PharmacologicaL GUIDE TO Non Steroidal Anti Inflammaory Medications. (edi). Nova Science Publisher (New York). 2021. 131-157. ISBN: 978-1-53619-905-5(eBook).
2. Kondeti AK, **Varthya SB**, Mittal C. “Role of NSAIDs in Cancer”. A PharmacologicaL GUIDE TO Non Steroidal Anti Inflammaory Medications. (edi). Nova Science Publisher (New York). 2021. 289-312. ISBN: 978-1-53619-905-5(eBook).
3. Khasbage S, **Varthya SB**, Singh S. “Role of NSIADs in COVID-19”. A PharmacologicaL GUIDE TO Non Steroidal Anti Inflammaory Medications. (edi). Nova Science Publisher (New York). 2021. 333-348. ISBN: 978-1-53619-905-5(eBook).

Resource Faculty:

1. Organized Pharmacovigilance week under Theme “Pharmacovigilance: A step towards Patient Safety” from 17-23rd September, 2021, at AIIMS Jodhpur, under the guidance of PVPI, India.

Research Project:

Ongoing:

As Principal Investigator:

1. “Efficacy of Sulphonylureas in patients with polymorphism in KCNJ11-ABCC8genetic locus: A prospective cohort study in T2DM patients in western Rajasthan”. Extramural (~29 Lakhs)-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. 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" (Industry Sponsored ~10lakh).
4. 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" (Industry Sponsored ~7 lakhs).

As Co-Investigator:

1. Efficacy of Phenytoin and Levetiracetam & CYP2C9/SV2A polymorphism in the prevention of Early Post Traumatic Seizures: A Prospective Randomized Placebo controlled Trial (Extramural (~62 Lakhs)-ICMR.
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", (Industry Sponsored ~7lakhs).
3. 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 (Dermatological Society of India ~8Lkahs).

Completed:

As Principal Investigator:

1. Chronic Comorbidities and COVID-19: A cross-sectional study to assess the pattern and outcome in COVID Patients with Chronic comorbidities.

Examinership:

1. External Examiner for the conduct of Final M.B.B.S Examination (Pharmacology) at SNMC, Jodhpur, on 1st to 3rd February 2022, conducted by Rajasthan University.
2. External Examiner for the conduct of Final M.B.B.S Examination (Pharmacology) at Govt Medical College, Pali, on 10th to 13th February 2022, conducted by Rajasthan University.
3. External Examiner for the conduct of Final M.B.B.S Examination (Pharmacology) at SNMC, Jodhpur, on 15th to 17th February 2022, conducted by Rajasthan University.

Any other information:

1. Member of "Committee for Tribal Health and Research (CTHR)" and Satellite Centre for Tribal Health and Research (STHR).
2. Contact tracing of COVID-19 among Health care workers.

Name of Faculty: Dr. Rimple Jeet Kaur
Designation: Assistant Professor

Papers Presented:

1. **Kaur R**. E-poster-Liver related adverse events reported after the use of COVID-19 vaccines: A descriptive study. Asian Pacific Association for the study of Liver (APASL 2022 SEOUL), March 30-April 2, 2022, Seoul, Korea.
2. E-poster-Liver related adverse events reported in WHO database with use of Remdesivir in COVID-19. Asian Pacific Association for the study of Liver (APASL 2022 SEOUL) March 30-April 2, 2022, Seoul, Korea.

Sessions Chaired:

1. Good Clinical Practices workshop at AIIMS Jodhpur on 15th January 2022, AIIMS Jodhpur.

2. National Conference on Traditional medicine –challenges & opportunities" virtual/online conference conducted by Centre of Excellence – A collaborating centre for indigenous Health, Ministry of Tribal Affairs, GOI, at AIIMS Jodhpur, 19-20th March 2021.

Resource Faculty:

1. Good Clinical Practice Training to the Institutional Ethics Committee of Government Medical College, Pali, July 2021.
2. Good Clinical Practice Training to the Institutional Ethics Committee of Government Medical College, Barmer, April 2021.
3. Resource faculty "Good Clinical Practice Training" to Institutional Ethics Committee of S.N. Medical College, Jodhpur, April 2021.

Workshops/ Conferences Organized:

1. Coordinated lectures and competitions on "National Pharmacovigilance week 2021" conducted by AIIMS, Jodhpur.

Research Project:

Ongoing:

As Principal Investigator:

1. Assessment of some important biomarkers in hypertensive patients: An analytic cross-sectional 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. Extramural Project: Funded by the National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH) and carried out by the International Network for Strategic Initiatives in Global HIV Trials (INSIGHT), Study Sponsor: University of Minnesota.
2. Menace of antimicrobial resistance: Current surveillance practices and control measures to tackle hostility in low- and middle-income countries.
3. Impact of development of antimicrobial resistance and control strategies in pediatric population: a systematic review.
4. Significance of genetic polymorphism in anti-tubercular drugs induced hepatotoxicity.
5. Single nucleotide polymorphism in Tenofovir induced renal dysfunction in HIV-1 patients.
6. Effect of maternal tobacco chewing during pregnancy on birth weight of neonates.
7. A survey of antibiotic use practices and public awareness related to antibiotic resistance.

Completed:

As Principal Investigator:

1. Adverse Events Reported From COVID-19 Vaccine Trials: A Systematic Review.

As Co-Investigator:

1. Adverse events reported from the COVID-19 vaccines: A descriptive study based on the WHO database (VigiBase®)

Examiner ship:

1. Second-year MBBS university exams, Government Medical College, Pali. February 11-12th, 2022
2. Second-year MBBS university exams, Government Medical College, Barmer. February 7-8th, 2022
3. Second-year MBBS university exams, Dr S.N. Medical College, Jodhpur. February 1-4th, 2022
4. Second-year MBBS university exams, Government Medical College, Pali. April 16-17th 2021
5. Second-year MBBS university exams, Dr. S.N. Medical College, Jodhpur. April 19-22nd 2021

National/ International Conferences attended:

1. Asian Pacific Association for the study of Liver (APASL 2022 SEOUL) held in Seoul, Korea. [Online]
2. Workshop on Basic Molecular Techniques conducted by Department of Pharmacology, AIIMS, Jodhpur 9th May 2022 to 14th May 2022.
3. Introduction to Clinical Research" conducted by Global Health Training Centre on 16th August 2021.
4. The Research Question" conducted by Global Health Training Centre on 16th August 2021.
5. ICH Good Clinical Practices" conducted by Global Health Training Centre on 13th September 2021.
6. Data Safety and Monitoring Boards for Clinical Trials" conducted by Global Health Training Centre on 23rd July 2021.
7. The Study Protocol: Part 1" conducted by Global Health Training Centre on 16th November 2021.
8. The Study Protocol: Part 2" conducted by Global Health Training Centre on 16th November 2021.
9. Introduction to Data Management for clinical research studies" conducted by Global Health Training Centre on 6th December 2021.

Celebration of National Pharmacovigilance Week (17th -23rd September 20210:

National Pharmacovigilance week (17-23 Sep 2021) was celebrated at the institute comprising multiple activities (Quizzes, Poster Competition, Awareness Video Competition, and Essay Competition). Innovative teaching, learning techniques were used to expose undergraduates to medicinal plants and briefing them about plant extract preparation in our Herbal Garden, AIIMS Jodhpur. The winners of various competitions were awarded certificates and trophies by the Director, AIIMS Jodhpur



Undergraduate sensitization on medicinal plant extracts, Herbal Garden, AIIMS Jodhpur



Organizers and participants of the National Pharmacovigilance Week 2021



Faculty & residents of Pharmacology during the Drug Safety Sensitization Seminar 2021

Department of Physical Medicine and Rehabilitation

S.No.	Name	Designation
1.	Dr. Abhay Elhence	Professor & Head, Department of Orthopaedics (Acting head, PMR)
2.	Dr. Ravi Gaur	Additional Professor
3.	Dr. Nitesh Manohar Gonnade	Associate Professor
	Dr. Arun Kumar Choudhary	Assistant Professor

About The Department

The Department of Physical Medicine and Rehabilitation at AIIMS Jodhpur has grown and shown steady progress in all aspects including patient care, training and research.

Physical Medicine and Rehabilitation department has started Post Covid Rehabilitation clinic for care of Post Covid-19 patients. Also department conduct Prosthetic and Orthotic check out clinic on every Wednesday. We have seen a rising case-load of patients this year, with new OPD registrations of 14,574 and follow-up OPD patient load of 9192 patients. IPD patients were 41. The department undertook 936 interventional pain management procedures. Numerous physiotherapy sessions were conducted: musculoskeletal (10,380) and neuro-habilitation units (7,279). Occupational therapy sessions stood at 2,492. Prosthesis and orthotist appliance fitment procedures were recorded as 422, while the electromyography and nerve conduction studies stood at 422. A total of 876 speech therapy sessons were also conducted in the year.

Name of Faculty: Dr. Ravi Gaur
Designation: Additional Professor

Books/Chapters

1. Chapter in “Critical care and Covid 19 A compendium” published by the organizing committee of World Conference on COVID and Critical care 2021.

Invited Lectures

1. Faculty Speaker in World Conference on Covid and Critical Care 2021 with theme ‘ Basics to Advance, Prevention to Cure’ on Topic “Chest Physiotherapy during Covid – You cannot miss”.
2. Faculty Speaker in IAPMR Midterm CME 2021 with theme “Acute Neurorehabilitation and Post Covid Rehabilitation” on topic “Post Covid disability experience: A Rajasthan Perspective”.

Symposium Speaker

1. Represented the Department of PMR as “Faculty Speaker” in Training of the Trainers initiative” by AIIMS, Jodhpur on 8th January, 2022 on “Pulmonary Rehabilitation in Covid patients”.

Resource Faculty:

1. Worked for Indo Sweden project as Resource person in ongoing project on “Comprehensive care in the Oncology Patients” department of our institute.
2. Continued contribution as Resource person in quarterly Magazine “PMR Buzz”.

Research Project:

Completed:

As Principal Investigator

1. Assessment of factors determining the efficacy of guided intervention base management of shoulder adhesive capsulitis secondary to breast cancer treatment a prospective study.
2. Assessment of disability using WHO DAS 2.0 in early active corona virus infection: a cross sectional study.
3. Assessment of disability in corona virus patients.
4. Repercussion of care giving on custodian in stroke.

Examinership

1. Subject Expert examiner in Paper moderation and Interview of participants in recruitment process done by Rajasthan Public Service Commission, Ajmer for appointment of Physiotherapist in various hospitals of Rajasthan.
2. Subject Expert External examiner for MD program (PMR) by Rajasthan University Health Sciences (RUHS), Jaipur at S.M.S. Medical College and Hospitals, Jaipur.
3. Subject Expert External examiner for BPT Program Clinical Rehabilitation part (Physiotherapy) by Rajasthan University Health Sciences (RUHS), Jaipur at 4 Physiotherapy colleges in Jodhpur and Udaipur.
4. Prepared MCQ vignettes for various exams conducted by AIIMS, New Delhi.

Membership/Post in Journal or Society or Association

1. Awarded life membership of Indian Association of Palliative Care.

National/ International Conferences attended:

1. World Conference on Covid and Critical Care 2021 with theme ‘ Basics to Advance, Prevention to Cure’ on Topic “Chest Physiotherapy during Covid – You cannot miss”.
2. IAPMR Midterm CME 2021 with theme “Acute Neurorehabilitation and Post Covid Rehabilitation” on topic “Post Covid disability experience: A Rajasthan Perspective”.
3. Training of the Trainers initiative” by AIIMS, Jodhpur on 8th January, 2022 on “Pulmonary Rehabilitation in Covid patients”.

Name of Faculty: Dr. Nitesh Manohar Gonnade
Designation: Associate Professor

Invited Lectures

1. As faculty IAPMRCON 2022 Golden Jubilee Conference delivered talk on Workshop on “Radiofrequency Ablation in Comparison with Nerve Blocks and Steroids Ablation” on 24th March 2022.
2. “Role of PMR in Geriatric Rehabilitation” in Training of Doctors from PHC/CHC on Geriatric Health from 21 to 23 March 2022.

Resource Faculty:

1. As faculty IAPMRCON 2022 Golden Jubilee Conference delivered talk on Workshop on Radiofrequency Ablation in Comparison with Nerve Blocks and Steroids Ablation on 24th March 2022.

Research Project:

Ongoing:

As Principal Investigator

1. Effect of steroid vs. steroid mixed with Hyaluronidase management of CTS

Completed:

As Principal Investigator

1. Assessment of disability using WHO DAS 2.0 in early active corona virus infection: a cross sectional study.
2. Role of Teleconsultation and Telerehabilitation in Cerebral Palsy Patients in Covid Era in India.

Scientific Awards/Patents

1. Selected for international fellowship in the Department of Medicine, Division of Physical Medicine & Rehabilitation for 1 year at the University of Toronto, in the Chronic Pain Rehabilitation Fellowship program.

Examinership

1. Examiner As bachelor of physiotherapy final year in clinical rehabilitation at MGH Hospital, Jodhpur, Rajasthan.
2. Internal Examiner for MD (PMR).

Membership/Post in Journal or Society or Association

1. The International Association for the Study of Pain (IASP).
2. Europeon Society of Physical & Rehabilitation Medicine (ESPRM).

National/ International Conferences attended:

1. Cadaveric hand on workshop on basic to advanced interventional pain management 27th and 28th November, 2021.
2. Cadaveric hand on workshop on fluoroscopic and ultrasound guided CRF/PRF/Cooled-RF on 26th and 27th March, 2022.
3. As faculty IAPMRCON 2022 Golden Jubilee Conference delivered talk on Workshop on Radiofrequency Ablation in Comparison with Nerve Blocks and Steroids Ablation on 24th March 2022.

Name of Faculty: Dr. Arun Kumar Choudhary
Designation: Assistant Professor (Contractual)

Research Project:

Ongoing:

As Co-Investigator

1. A cross sectional study regarding the diagnostic accuracy of single – channel cystometry compared to multi–channel cystometry for urinary bladder evaluation in spinal cord injury patients. (PMR. Academic Junior Resident Research project, ethically approved)
2. Effect of addition of blood flow restriction training on the level of activity after anterior cruciate ligament reconstruction. (PMR, Academic Junior Resident Research project, ethically approved)

Department of Physiology

S.No.	Name	Designation
1	Dr. Sabyasachi Sircar	Professor and Head (Till 11th Nov 2021)
2	Dr. Abhinav Dixit	Professor and Head (From 12th Nov 2021)
3	Dr. Bharati Mehta	Professor
4	Dr. Prasunpriya Nayak	Professor
5	Dr. Om Lata Bhagat	Additional Professor
6	Dr. Shival Srivastav	Assistant Professor
7	Dr. Pooja Ojha	Assistant Professor
8	Dr. Mahesh Arjundan Gadhvi	Assistant Professor

About the Department

The Department of Physiology at AIIMS Jodhpur was setup in 2012 & has been progressing since then. The Department is actively involved in teaching and training of undergraduate (MBBS and B.Sc. Nursing) and postgraduate students (MD and M.Sc.) & Ph.D. It is also involved in research and clinical services. Undergraduate teaching is imparted through various modalities including conventional didactic lectures, tutorial and small group discussions. Students are given exposure to clinically important case scenarios through horizontal and vertical integration with other departments. Students are encouraged to do research through ICMR Short term studentship projects. Post graduate students are also involved in research work through their thesis and have won awards for their work at various national & international conferences.

The Department has funding for research from agencies like Indian Council of Medical Research and Department of Science and Technology as well as Intramural funding. The Department has published the research work in journals of international & national repute. Besides this the faculty members have also held important positions in various scientific bodies.

The Department has labs in various fields like Cognitive Neurophysiology, Autonomic Functions, EEG & Animal Research. The Department also provides clinical services in the field of Autonomic functions & Intra Operative Monitoring.

Compiled list of Publications of the department:

Papers

Pubmed Indexed:

1. Ojha P, Dixit A. Olfactory training for olfactory dysfunction in COVID-19: A promising mitigation amidst looming neurocognitive sequelae of the pandemic. Clin Exp Pharmacol Physiol. 2022 Apr;49(4):462-473.
2. Nair NP, Sharma V, Dixit A, Goyal S, Dixit SG, Goyal A, Misra S. Nair NP, Sharma V, Dixit A, Goyal S, Dixit SG, Goyal A, Misra S. Barrier enclosure in tracheostomy: a protective box for healthcare workers during the coronavirus disease 2019 pandemic. J Laryngol Otol. 2022;136(3):265-267.

3. Mehta B, Dixit A, Bhagat OL, Nayak P, Srivastav S, Ojha P, Gaur A. Critical Self-Appraisal Towards the Better Use of a Webinar Series as an Online Tool for Postgraduate Teaching. Cureus, 2022;14(1): e20976. DOI 10.7759/cureus.20976
4. Das N, Patro SK, Kaushal D, Pareek P, Dixit A, Kombathula SH, Soni K, Sharma V, Goyal A. Correlation of tumour and treatment characteristics to dose received by cochlea in volumetric arc therapy. Eur Arch Otorhinolaryngol. 2022 Apr;279(4):2019-2028.
5. Nair NP, Sharma V, Dixit A, Kaushal D, Soni K, Choudhury B, Goyal A. Future Solutions for Voice Rehabilitation in Laryngectomees: A Review of Technologies Based on Electrophysiological Signals. Indian J Otolaryngol Head Neck Surg 2021; https://doi.org/10.1007/s12070-021-02765-9
6. Das N, Kaushal D, Patro SK, Pareek P, Dixit A, Soni K, Prakasan Nair N, Choudhury B, Goyal A. Relative contributions of radiation and cisplatin-based chemotherapy to sensorineural hearing loss in head-and-neck cancer patients. Acta Otolaryngol. 2021 Sep;141(9):885-893.
7. Dixit A, Gehlot N. Science extends well beyond the labs- you may be correct but we are also not wrong. J Appl Physiol 2021; 131: 743-745.
8. Sengupta T, Ghosh S, Gaur A and Nayak P. Dissimilar anxiety-like behavior in prepubertal and young adult female rats on acute exposure to aluminium. Cent Nerv Syst Agents Med Chem. 2021;21(3):187-194. doi: 10.2174/1871524922666211231095507
9. Kumar S, Chowdhury S, Razdan A, Kumari D, Purty RS, Ram H, Kumar P, Nayak P, Shukla SD. Downregulation of candidate gene expression and neuroprotection by piperine in streptozotocin-induced hyperglycemia and memory impairment in rat. Front Pharmacol. 2021;11:595471. doi: 10.3389/fphar.2020.595471.
10. Nayyar AK, Bhagat OL, Gupta R, Ghatak S. Carrying Angle in Population of Western India: Normative Values. Mymensingh Med J. 2021 Jul;30(3):835-839. PMID: 34226476.
11. Gupta R, Nayyar AK, Gupta MK, Bhagat OL. Sex Determination in Western Indian Population by Limb Measurements. Mymensingh Med J. 2021 Jul;30(3):830-834. PMID: 34226475.
12. Srivastav S, Bhardwaj A. A rapid and convenient method for serial measurement of skin lesions. JAAD. 2022;86(2) e47-e48
13. Kumar S, Chugh A, Kaur A, Aparna G, Srivastav S, Gigi PG, Kumar P, Chaudhary 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 Maxillofac Oral Surg. 2021. DOI: 10.1007/s12663-021-01662-6
14. Ojha P. An inspirational reflection on Nobel Prize-winning researches in nerve signaling from over a century: some lessons for inquisitive minds. Brain structure & function. 2021;226(6), 1641–1645.
15. Ojha P, Dixit PK. Role of examples in contextualizing novel information: a neuroscience insight. Neurol sci.2021;42(8), 3505–3507.

Non-Pubmed Indexed:

1. Karthika G, Avula SSJ, Sridevi E, Pranitha K, Sankar KS, Nayak P. Assessing vitamin E and glutathione peroxidase levels in salivary samples of children with and without dental caries. J Clin Diag Res.2021; 5(6): ZC06-9.
2. Ojha P, Dixit PK. The Initial Flexible Submission of Manuscript: Tackles Bottleneck and Saves Resources". Acta Scientific Medical Sciences.2022; 6.4: 105-107.

Name of Faculty: Dr. Abhinav Dixit
Designation: Professor and Head

Books/Chapters

1. K Singh, SG Dixit, P Dwivedi, S Srivastav, **A Dixit**, A Bhardwaj, M Swami, S Misra. Medical education during the COVID-19 pandemic. Chemistry World.

Sessions Chaired:

1. Invited paper session, 22nd Annual Conference of Skull Base Surgery Society of India; 22nd -23rd October 2021 AIIMS Jodhpur

Invited Lectures

1. Lecture on "Medical Innovations- Keep the basics along!", 73rd Annual Conference of Association of Otolaryngologists of India";6th – 9th Jan 2022, Ranchi
2. Panelist in Workshop on "National initiative to develop Mixed Reality (MR) simulators for medical education", 24th July 2021, IIT Jodhpur

Research Project:

Ongoing:

As Co-Investigator

1. Improving Quality of Medical Education through evaluation of multiple thematic opportunities in instructional methods and Assessment created during COVID-19 Pandemic
2. Online Microteaching Comparison of two methods for Faculty Teaching Skills during COVID-19 and Post COVID-19

Completed:

As Principal Investigator

1. Effect of face masks on cognitive and cardiorespiratory parameters at rest and exercise"

As Co-Investigator

1. EEG Neurofeedback Training for Optimal Performance"- Collaborative project with Indian Institute of Technology (IIT), Jodhpur
2. Assessment of use of Protection box for tracheostomy during Covid-19 pandemic
3. Assessment of use of Protection box for intubation/extubation during Covid-19 pandemic
4. Evaluation of an online webinar series on basic research methodology and thesis writing in Physiology
5. Medical Education during Covid-19 pandemic: AIIMS Jodhpur experience

Examinership

1. MD (Physiology), AIIMS Jodhpur, 13th & 14th Dec. 2021
2. M.Sc (Physiology), AIIMS Jodhpur, 25th June 2021
3. MD (Physiology) and MSc (Physiology), Thesis evaluator, AIIMS Delhi

Membership/Post in Journal or Society or Association

1. Society Representative, The Physiological Society (UK)
2. American Physiological Society
3. Royal Society of Biology (UK)

National/ International Conferences attended:

1. "Digital Healthscape", Webinar on 16th March 2022, IIM Udaipur
2. "Demystifying Grant Applications", Webinar on 19th Jan 2022, The Physiological Society, UK
3. "Physiology 2021", Annual Conference of the Physiological Society, UK, 12th -16th July 2021 (Online)

Name of Faculty: Dr. Bharati Mehta
Designation: Professor

Resource Faculty:

1. Qualitative Analysis, Research Methodology Course-II, College of Nursing, AIIMS, Jodhpur, 17th to 19th February 2022

Research Project:

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.

Completed:

As Principal Investigator

1. Evaluation of a series of post-lecture online self-assessment tests on academic performance in medical undergraduates

As Co-Investigator

1. Impact of implementation of the healthy workforce model (Integration of Occupational Health Services in Primary Health Care) to improve preventive measures of Silicosis among workers exposed to silica sand in mines of rural Jodhpur. Intramural Project funded by AIIMS, Jodhpur

Examinership

1. Examiner for First Professional Examination, SMS Medical College, Jaipur 7th to 11th February 2022

Name of Faculty: Prasunpriya Nayak
Designation: Professor

Books/Chapters

1. Singhal A, Kamble PH and Nayak P. Health Issues and Environmental Biotechnology. In: Emerging Trends in Environmental Biotechnology, Mondal S, Singh SP, Lahir YK (editors), 1st edition, Boca Raton, CRC Press 2022; 16 pages.

Papers Presented:

1. Nayak P. Noxious contribution of aluminium in multifaceted pathologies – an update. National Conference of Association of Physiologists of India; 7th-9th September 2021, Pramukhswami Medical College, Bhaikaka University, Karamsad, Anand, Gujrat.
2. Srivastav S, Singhal A, Kamble PH, Bhagat OL and Nayak P, Assessment of vascular function. XXXII Annual Conference of The Physiological Society of India; 14th-16th March 2022, Berhampur Girls' College, Berhampur, West Bengal.
3. Bhagat OL, Srivastav S, Singhal A, Kamble PH, and Nayak P, Autonomic function testing: overview and clinical relevance. XXXII Annual Conference of The Physiological Society of India; 14th-16th March 2022, Berhampur Girls' College, Berhampur, West Bengal.
4. Singhal A, Kamble P, Shrivastav S, Bhagat OL and Nayak P, Autonomic function testing: overview and clinical relevance. XXXII Annual Conference of The Physiological Society of India; 14th-16th March 2022, Berhampur Girls' College, Berhampur, West Bengal.

Sessions Chaired:

1. Invited Lecture Session -3, Annual Conference of The Physiological Society of India; 14th-16th March 2022, Berhampur Girls' College, Berhampur, West Bengal.
2. Young Scientist Competition, Annual Conference of The Physiological Society of India; 14th-16th March 2022, Berhampur Girls' College, Berhampur, West Bengal.

Symposium Speaker

1. Nayak P, Sharma T, Tanwar P and Srivastav S, A study of effect of aluminium exposure on cardiac autonomic tone in a rat model. XXXII Annual Conference of The Physiological Society of India; 14th-16th March 2022, Berhampur Girls' College, Berhampur, West Bengal.

Research Project:

Completed:

As Co-Investigator

1. In vitro evaluation for pro-healing modifications of endothelial cells by Prospis Cineraria, a locally available conventional promoter of wound healing. AIIMS, Jodhpur.
2. Development of animal model to stimulate Valsalva maneuver, AIIMS, Jodhpur.

Examinership

1. MBBS, Govt. Medical College, Pali, 01st - 03rd Feb 2022.

2. MBBS, SN Medical College, Jodhpur, 07th - 10th Feb 2022.
3. MBBS, JN Medical College, Kalyani, 02nd – 05th March 2022.
4. MBBS, Midnapore Medical College, Midnapore, 07th 12th March 2022.
5. Ph.D. (Thesis adjudicator)- Calcutta University, Vidyasagar University, University of Madras.

Membership/Post in Journal or Society or Association

1. Executive Editor, Indian Journal of Physiology and Allied Science (Official Journal of The Physiological Society of India).
2. Founder Fellow of the Physiological Society of India.

Name of Faculty: Dr. Om Lata Bhagat
Designation: Additional Professor

Sessions Chaired:

1. "Invited Lecture Session - 2", PHYSIOCON 2021, 14th March 2022. Berhampore Girls' College, P.O. Berhampore, Dist. Murshidabad
2. Invited talk by Dr William Stringer on "Long Haul COVID - Is there a role for Exercise Rehabilitation to Facilitate Recovery". BMSeCON 2021, 25th November at 10 am (Online), Aarupadai Veedu Medical College & Hospital, Puducherry 607402

Invited Lectures

1. "Autonomic Function Testing: Overview and Clinical Relevance". PHYSIOCON 2021, 14th - 16th March 2022. Berhampore Girls' College, P.O. Berhampore, Dist. Murshidabad.
2. "HRV during breathing maneuvers and effect of breath rate on the analysis" for ATAL sponsored Online Faculty Development Program (FDP) on " Heart Rate Variability-Monitoring, Analysis and Diagnosis " from 25th -29th October 2021. Dept. Biomedical Engineering, Model Engineering College, Thrikkakara Cochin, Kerala

Examinership

1. External Examiner for the First MBBS Prof Univ Examination 2022 at NEIGRIHMS,17th -18th January 2022
2. External Examiner for the First MBBS Prof Examination 2021 at AIIMS, Bilaspur, 22nd – 24th November 2021.
3. External Examiner for the First MBBS Prof supplementary Examination 2021 at SNMC,Jodhpur 05th February 2022
4. External Examiner for the First MBBS (Main) Examination January 2022 at SNMC,Jodhpur 07th – 10th February 2022

National/ International Conferences attended:

1. One Day online workshop on "IPR Licensing and Commercialization"
2. Intellectual Property Management (RGNIIPM), Nagpur in Collaboration with Maharashtra National Law University (MNLU), Mumbai, Conducted by Rajiv Gandhi National Institute, 16 November, 2021

3. One Week Online Webinar on “Introduction to IPR, Patentability, Patent Filing Procedure, Patent Specification, Case Studies, Opposition, Revocation, Restoration, Infringement, Compulsory Licensing, Commercialization, Licensing, IP Management etc.” On 25-29 October, 2021 Conducted by Rajiv Gandhi National Institute of Intellectual Property Management (RGNIIPM), Nagpur

Other:

1. Completed Certificate program on Patent Law for Engineers and Scientists – online Via Swayam NPTEL conducted by IIT Madras
2. Completed Certificate program on Patent Search for Engineers and Lawyers - online Via Swayam NPTEL conducted by IIT Madras
3. Completed Certificate program Basic course in Biomedical research online via Swayam NPTEL conducted by ICMR and National Institute of Epidemiology.

Name of Faculty: Dr. Shival Srivastav

Designation: Assistant Professor

Invited Lectures

1. Invited as an expert speaker in the session on ‘Assessment of Autonomic function’ at PHYSIOCON 2021 at Berhampore, West Bengal on 14th March 2022
2. Invited as subject expert of Physiology lectures for M. Tech. (Medical Devices) 1st semester at NIPER, SAS Nagar, Mohali

Research Project:

Ongoing:

As Principal Investigator

1. Comparison of ultra-short and short term HRV measures in patients with diabetes mellitus

As Co-investigator

1. Online microteaching: comparison of two methods for faculty teaching skills during and post COVID-19
2. Improving quality of medical education through evaluation of multiple thematic opportunities in instructional methods and assessment created during COVID-19 pandemic
3. Effect of face mask on cognitive and cardiorespiratory parameters at rest and exercise
4. Assessment of sleep quality in menopausal females and effect of sleep hygiene intervention on it

Conferences attended

1. Annual conference of Physiological Society of India (PHYSIOCON 2021) at Berhampore, West Bengal from 14th to 16th March 2022
2. National webinar on Neurophysiology in Clinical Practice organized by AIIMS Gorakhpur on 12th July 2021 (Online mode)
3. Webinar on Vascular ageing: from research to clinical practice organised by IIT Madras and Radboud University Medical Centre, Maastricht University Netherland from 21st to 23rd, 28th to 30th March 2022

Name of Faculty: Dr. Pooja Ojha
Designation: Assistant Professor

Research Project:

Ongoing:

As Principal Investigator

1. Quantitative sensory testing of allodynia in migraine: Its association with endogenous sex hormones & TRPV1 (Funded by AIIMS Jodhpur)
2. "Effect of 'Kriya Yoga' on brain oscillations and perceived stress in health care providers, during COVID-19 Pandemic: A Pilot Study" (Extramural research grant from Department of Science and Technology: SATYAM under special call for COVID).

As Co-Investigator

1. Effect of 2 types of relaxation technique on stress and cardiac oscillations among healthy volunteers. [Nonfunded]

Completed:

As Principal Investigator

1. Electroencephalographic Analysis in Migraine clinical phenotypes. [Nonfunded]

As Co-Investigator

1. Evaluation of a webinar series on basic research methodology and thesis writing in Physiology. [Nonfunded]
2. Evaluation of a series of post-lecture online self-assessment tests on academic performance in medical undergraduates. [Nonfunded]

Examinership

1. MBBS (Main exam) at Dr. SNMC, Jodhpur, held from April 5th -9th 2021
2. BPT PART 1 at Dr. SNMC. Jodhpur, 4th October 2021
3. MBBS (Main exam) at, Barmer Medical College, held from 4th -5th February 2022
4. MBBS (Main exam) at Dr. SNMC, Jodhpur, held from 7th -10th February 2022
5. BPT PART 1 at Dr. SNMC. Jodhpur, 11th February 2022
6. MBBS (Supplementary exam) at Dr. SNMC, Jodhpur, held on 11th April 2022

Membership/Post in Journal or Society or Association

1. Life member of International Federation of Clinical Neurophysiology
2. Member of the International headache society
3. Member Association of Physiologists and pharmacologists of India
4. Life member of Physiological Society of India

National/ International Conferences attended:

1. Completed Certificate program in Basic course in Biomedical research online via Swayam NPTEL conducted by ICMR and National Institute of Epidemiology, April 2021
2. Masterclass by IFCN: Single-Fiber EMG: Old and New Aspects, 18th September 2021(Online)

Name of Faculty: Dr Mahesh Arjundan Gadhvi
Designation: Assistant Professor

Invited Lectures

1. Intraoperative Neurophysiological Monitoring in Skull base surgeries: Techniques and experience, Skullbasecon 2021; 22nd – 23rd Oct 2021, AIIMS, Jodhpur

Research Project:

Ongoing:

As Co-investigator

1. Assessment of sleep quality in menopausal females and effect of sleep hygiene intervention on it

Membership/Post in Journal or Society or Association -

1. Life membership of Association of Physiologists of India
2. Life member of Physiological Society of India

Department of Psychiatry

S.No.	Name	Designation
1	Dr. Naresh Nebhinani	Additional Professor & Head
2	Dr. Mukesh Kumar Swami	Associate Professor
3	Dr. Pratibha	Associate Professor
4	Dr. Navratan Suthar	Assistant Professor
5	Dr. Anish Shouan	Assistant Professor
6	Dr. Preethy K	Assistant Professor

About theDepartment :

The Department of Psychiatry started an outpatient department in July 2013 and an inpatient department 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), biofeedback, psychological tests and psychotherapy such as behavioral therapy, cognitive behavior therapy, 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 specialized clinics: Consultation- Liaison Clinic (CL clinic – On all days), Geriatric Mental Health Clinic (GMHC) (Monday), Drug Deaddiction Clinic (DDC) (Tuesday), Marital and Psychosexual Clinic (Wednesday) and Child and Adolescent Psychiatry Clinic (CAPC) (Thursday).

We have also started a community clinic at CHC, Dhundhara 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 B.Sc Nursing (Hons), MBBS, MD Psychiatry, MD CMFM, MD Emergency Medicine, DM Neurology Residents and M.Sc. Psychiatric Nursing students. Additionally, we have weekly departmental academics in the form of seminars, journal clubs, case conferences and a psychotherapy forum.

The Department of Psychiatry has provided training to the Rajasthan Police Functionaries, Central Bank of India Employees, Jodhpur's Medical Officers, staff of Chandigarh State AIDS Control society and Punjab State AIDS Control Society, providing services of awareness lectures related to the topics of substance use disorder, stress management as well as capacity building etc. Also, webinar related to identification of psychosocial wellness among children, online CME on 'Well-being Essentials for Youth' was conducted to increase the mental health awareness and to promote mental health well-being for children and youth. The department also conducted a National Level Online Quiz for Post-graduate students and an Institute Level Undergraduate Quiz on Mental Health during the Mental Health Awareness Week. Our faculty members have participated in several academic forums- conferences, workshops and discussions and delivered guest lectures.

During this period, Dr. Preethy K, Assistant Professor took charge in the department on 17.07.2021 and Mrs Luxmi Devi, Social Psychologist joined the department on 03.09.2021.

Compiled list of Publications of the department :

PubMed Indexed:

1. Sudhakar G, Aneja J, Gehlawat P, Nebhinani N, Khera D, Singh K. A prospective cohort study of emergence delirium and its clinical correlates in a pediatric intensive care unit in North India. Asian Journal of Psychiatry 2022;72:103070.
2. 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. Prevalence of Psychotic symptoms and their impact on course and outcome of patients with bipolar disorder: Findings from the Bipolar Disorder Course and Outcome Study from India (BiD-CoIN study). J Affective disorder 2022;305:233-239.
3. Swami MK, Mishra V, Panda TK, Suthar N, Nebhinani N, Gehlawat P. User's perception for Telephone-based Telepsychiatry consultation: A cross-sectional survey. The Primary Care Companion for CNS Disorders 2022 (accepted)
4. Jalandra RN, Shahul AS, Asfahan S, Garg MK, Nebhinani N, Dutt N, Chauhan NK, Swami MK, Bhatia PK, Bhardwaj P, Suthar N, Kumar A, Kumawat R, Andani R, Misra S. Emotional distress among health professionals involved in care of inpatients with COVID-19: a survey based cross-sectional study. Adv Respir Med. 2022 Feb 24. doi: 10.5603/ARM.a2022.0026.
5. Shah H, Nebhinani N, Agrawal V, Ghosh S, Seshadri S. Nuances of forensic child psychiatry- a special focus on child custody, corporal punishment and the relevance of The Mental Healthcare Act for children and adolescents. Indian J Psychiatry 2022;64:S154-162.
6. Arya A, Ghosh A, Mishra S, Swami MK, Prasad S, Somani A, Basu A, Sharma K, Padhy S, Nebhinani N, Singh L, Basu S, Gupta R. A multicentric survey among patients with substance use disorders during the COVID-19 lockdown in India. Indian J Psychiatry 2022;64:48-55.
7. Nebhinani N, Mattoo SK, Wanchu A. Quality of life, social support, coping strategies and psychiatric morbidity in patients with Rheumatoid arthritis. Journal of Neuroscience in Rural Practice 2022.13:119-122.
8. Ghuman NK, Raikar S, Singh P, Nebhinani N, Kathuria P. In it together: A dyadic approach to assessing the health-related quality of life and depression among infertile couples. Fam Syst Health. 2021;39(4):576-587.
9. Jain A, Wadhwa R, Kundu K, Nebhinani N, Gupta R. Assessment of knowledge about RLS among medical teachers and undergraduate students using newly developed questionnaire: K-RLS. Sleep and Vigilance 2021. https://doi.org/10.1007/s41782-021-00181-1.
10. Panda TK, Nebhinani N, Suthar N, Choudhary S, Singhai K. Relapse in Bipolar Disorder in hospitalised patients with COVID-19: A Case series and Key recommendations. Indian J Psychiatry 2021;63(6):610-612.
11. Nebhinani N, Kuppili PP, Mamta. Feasibility and Effectiveness of Stress Management Skill Training in Medical Students. Medical Journal Armed Forces India 2021. https://doi.org/10.1016/j.mjafi.2021.10.007.
12. Purohit P, Sharma P, Nebhinani N. Correlation of aberrant expression of miR-155, miR-187 and inflammatory cytokines Il-10 and TNF alpha in chronic opium abusers. Inflammation 2021. DOI: https://doi.org/10.21203/rs.3.rs-486700/v1.
13. Mamta, Parihar A, Bishnoi A, Arumugam G, Nebhinani N, Rajrani. COVID-19 induced anxiety and protective behaviour among nursing students: a survey from western India. Journal of Family Medicine and Primary Care 2021;10:4483-89.
14. Kumar K, Mitra P, Ghosh R, Sharma S, Nebhinani N Sharma P. Association of the NOTCH4 gene polymorphism with schizophrenia in the Indian population. Meta Gene 2021;29:100903.

15. 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. Predominant polarity in bipolar disorder: Findings from the bipolar disorder course and outcome study from India (BiD-CoIN study). Comprehensive Psychiatry 2021;109:152249.
16. 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. Residual Symptoms in Bipolar Disorders: Findings from the Bipolar Disorder course and outcome study from India (BiD-CoIN study). Psychiatry Research 2021;302:113995.
17. 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. Is unipolar mania a distinct entity: findings from the bipolar disorder course and outcome study from India (BiD-CoIN study). Nord J Psychiatry. 2021;75(8):590-595.
18. Tiwari S, Dubey P, Swami MK, Yadav T. Classical Imaging Finding in Marchiafava Bignami Disease. Neurol India. 2021 Nov-Dec;69(6):1627-1628.
19. Paul K, Swami MK. A case of resistant depression treated with Pentothal Abreaction. Asian Journal of Psychiatry. 2021 Sep; 65: 102852.
20. Shouan A, Ghosh A, Singh SM, Basu D, Mattoo SK. Predictors of retention in the treatment for opioid dependence: A prospective, observational study from India. Indian Journal of Psychiatry. 2021;63:355.
21. Kathiravan S, Shouan A, Kumari S, Harshit K, Singh SM. The Utility of HD-tDCS as Add on Treatment for Negative Symptoms in Schizophrenia: A Case Report. Psychiatr Danub. 2021;33:366–7.
22. Kathiravan S, Shouan A, Reddy SC, Singh SM. The Experience and Reactions towards Stage 1 COVID-19 among Junior Doctors in India. Psychiatr Danub. 2021;33:140–3.
23. Shouan A, Kale A, Das S, Singh SM. Patient perceived side effects and effectiveness of maintenance repetitive transcranial magnetic stimulation: A study from North India. Asian J Psychiatr. 2021;65:102855.
24. Suman A, Shouan A, Singh SM, Kumar K. The acceptability of a self-guided psychological intervention for patients with COVID-19 in isolation and quarantine. Int J Community Med Public Health. 2022;9:1877–83.
25. Farhoudian A, Radfar SR, Mohaddes Ardabili H, Rafei P, Ebrahimi M, Khojasteh Zonoozi A, De Jong CAJ, Vahidi M, Yunesian M, Kouimtsidis C, Arunogiri S, Hansen H, Brady KT; ISAM Global Survey Consortium (ISAM-GSC), Potenza MN, Baldacchino AM, Ekhtiari H. A Global Survey on Changes in the Supply, Price, and Use of Illicit Drugs and Alcohol, and Related Complications During the 2020 COVID-19 Pandemic. Front Psychiatry. 2021 Aug 6;12:646206. doi: 10.3389/fpsyt.2021.646206. PMID: 34421664; PMCID: PMC8377291. (Kathiresan, P., was part of ISAM Global Survey Consortium
26. Rao R, Kathiresan P, Kishore K, Kumar P, Sharma C, Mishra JK. Physical and mental health status of women whose spouses inject drugs - A cross-sectional, multisite study. Indian J Public Health. 2022;66(1):57-60. doi: 10.4103/ijph.IJPH_1249_20. PMID: 35381716.
27. Quraishi R, Kathiresan P, Verma K, Rao R. Effect of chronic opioid use on the haematological and inflammatory markers: A retrospective study from North India. Indian Journal of Psychiatry (Accepted).
28. Srivastava A, Kuppili PP, Gupta T, Nebhinani N, Chandani, A. Kriya Yoga in Patients with Depressive Disorders: A Pilot Study. J. Neurosci. Rural Pract.2021;12(2):362-367.
29. Shekhawat, DS, Gupta, T, Singh, P, Sharma, P & Singh, K. Monitoring tools for early identification of children with developmental delay in India: an update. Child Neuropsychol. 2022; 1-17.

Non-PubMed Indexed:

1. Nebhinani N, Singh P, Mamta. Substance use disorders in Children and Adolescents. Journal of Indian Association for Child and Adolescent Mental Health 2022 (accepted).
2. Gehlawat P, Swami MK, Gupta T, Nebhinani N, Dixit S, Singh K, Misra S. Online Teaching for Medical Undergraduates: Faculty's readiness and way forward. Sch Acad J Biosci. 2021;12:382-88.
3. Nebhinani N. Steps to mitigate the immediate and long-term consequences of COVID-19 pandemic on children and adolescents. Journal of Indian Association for Child and Adolescent Mental Health 2021;17(4):1-5.
4. Panda TK, Goya D, Goyal A, Nebhinani N. Mania after codeine self-medication in a case of panic disorder. Minerva Psychiatry 2021 (accepted).
5. Gupta T, Nebhinani N. Parent's response to pandemic: Challenges ahead and way forward. Journal of Indian Association for Child and Adolescent Mental Health 2021;17(3):1-11.
6. Nebhinani N, Shouan A, Choudhary S. Promotion of wellness and prevention of illness among medical students. Indian J Social Psychiatry 2021;37:157-61.
7. Nebhinani N, Dwivedi N, Potaliya P, Ghatak S, Misra S, Singh K. Perception of Medical students for Faculty and Peer Mentorship program: An Exploratory study from North-Western India. Journal of Indian Association for Child and Adolescent Mental Health 2021;17(3):143-153.
8. Nebhinani N, Singhai K. Protective factors against suicidality in childhood and adolescence. Journal of Indian Association for Child and Adolescent Mental Health 2021;17(2):1-11.
9. Mathew A, Nebhinani N, Begum S, Vijayakumar K, Banerjee M. Genetics of Adolescent Suicide: A Literature review. Journal of Indian Association for Child and Adolescent Mental Health 2021;17(2):135-161.
10. Dahiya R, Parihar A, Swami MK, Sevak S. Level of depression among cancer patient: A cross-sectional study. Indian J Psy Nsg 2021;18:95-9.
11. Panda TK, Aneja J, Swami M. Transvestic Disorder, Obsessive Compulsive Disorder, and Bipolar Disorder in an Adolescent Male: Diagnostic Conundrums and Management Difficulties. Journal of Psychosexual Health 2021; 3(1): 78-80.
12. Panda S, Patel P, Jain S, Sharma S, Vegda M, Patel A, Tiwari S, Anne PB, Suthar N, Kumar B, Nag VL. Catastrophic Presentation of COVID-19 with Solitary Large Denovo Tumefactive Demyelination. Neurol India. 2021 Sep Oct;69(5):1424-1426.
13. Kalal N, Kumar A, Rani R, Suthar N, Vyas H, Choudhary V. Qualitative study on the psychological experience of nursing officers caring COVID-19 patients. Indian J Psy Nsg 2021;18:2-7.
14. Kathiresan P, Bhargava R. Public health challenges and initiatives in problematic internet use. Indian Journal of Social Psychiatry 2021;37(3):262.

Workshops/ Conferences Organized

1. Workshop for Medical Officers on Management of Substance Use Disorders on 4th October 2021 at AIIMS Jodhpur
2. National Online PG Quiz Competition for Psychiatry Postgraduate Students on 10th October 2021 at AIIMS Jodhpur
3. National Online CME on "Wellbeing Essentials for Youth" under aegis of Indian Association for Social Psychiatry on 23rd October 2021 at AIIMS Jodhpur
4. Online Webinar on "Identification of Psychosocial problems among School children" on 9th October 2021
5. Organized Sensitization program on Suicide Prevention at Barmer on 16th February, 2022

Eminent Visitors (through virtual program):

1. Online Guest Lecture by Dr. Rishab Gupta, Brigham and Women's Hospital / Harvard Medical School, USA, on "Alzheimer's Disease" on 20th November 2021
2. Online Guest Lecture by Dr. Koushik Sinha Deb, Associate Professor (Psychiatry), AIIMS Delhi on "Suicide Prevention" on 10th September 2021

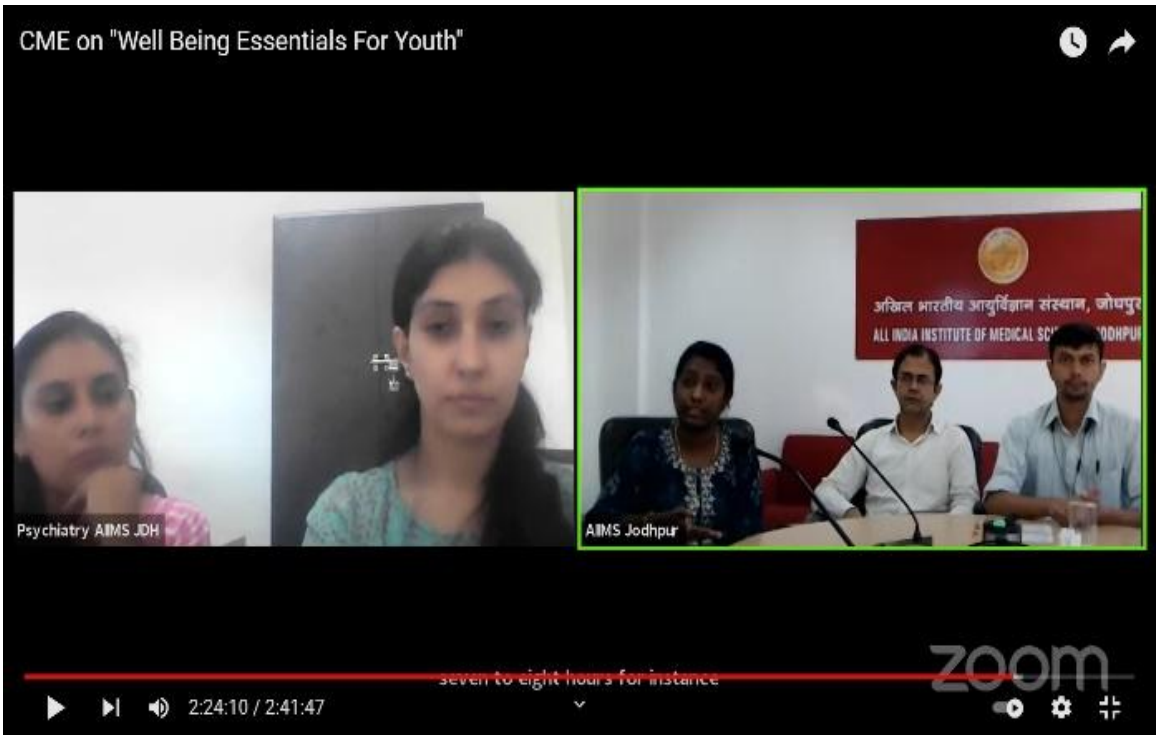
Conference organized: National Online CME for Well-Being Essentials for Youth

The National Online CME for Well-Being Essentials for Youth under aegis of Indian Association for Social Psychiatry was organized by Department of Psychiatry, AIIMS Jodhpur on 23rd October 2021 from 2 PM to 5 PM. The CME targeted college students from all streams and school students from 10th std to 12th std. A total of 260 participants from 21 states and UTs registered for the CME. The CME program was also live-telecasted on Youtube.

Dr. Naresh Nebhinani, Head (Department of Psychiatry, AIIMS Jodhpur) welcomed everyone for the CME. "Saraswati Vandana" was played to formally inaugurate the CME. Prof. Pratap Sharan, President, Indian Association for Social Psychiatry, provided his welcome address. Prof. Kuldeep Singh, Dean (Academics), AIIMS Jodhpur welcomed everyone for the CME and discussed how this CME is being provided at the right time to discuss the various problems of the youth. Dr. Naresh Nebhinani, Additional Professor and Head (Psychiatry), AIIMS Jodhpur thanked and welcomed all the participants, the organizing team and the Indian Association for Social Psychiatry. He introduced the concept of well-being and wellness to the students, explaining the eight dimensions of wellness. He also introduced the topics of the CMEs explaining the importance of each of the topic. Dr. Anish Shouan delivered talk on "Dealing with Uncertainty". Dr. Tanu Gupta delivered talk on "Managing Emotional Needs". Dr. Mukesh Kumar Swami delivered a talk on "Seeking Help: How and When". Following the talks, Mrs. Luxmi and Dr. Swati Choudhary moderated the 'Questions and Answers' session. The questions that had been asked by the students during registration for CME as well as the questions that were asked live during the CME, were answered by Dr. Naresh Nebhinani, Dr. Mukesh Kumar Swami, Dr. Anish Shouan, Dr. Preethy K and Dr. Tanu Gupta. The CME was concluded with Vote of Thanks delivered by Dr. Navratan Suthar.



Speakers of the session, Online CME on "Well-Being Essentials for youth"



Participants and panelists during the Interactive session, Online CME on “Well-Being Essentials for youth”

Name of Faculty: Dr. Naresh Nebhinani
Designation: Additional Professor and Head

Books/Chapters

1. Nebhinani N, Swami M. How to write a case report? In: Grover S, Ameen S, editors. A Primer of Research, Publication, & Presentation, 2nd ed. New Delhi: Jaypee Brothers Medical Publishers.2022.p297-304.
2. Nebhinani N, Gehlawat P, Dwivedi N. Concerns and issues in college life. In: Well-being Essentials for College Students. Nebhinani N, Gupta T, Swami MK, editors. 1st ed. Jodhpur: AIIMS, 2022.p1-5
3. Nebhinani N. Study skills. In: Well-being Essentials for College Students. Nebhinani N, Gupta T, Swami MK, editors. 1st ed. Jodhpur: AIIMS, 2022.p68-75
4. Gupta T, Nebhinani N. The art of counseling patients with Dermatological conditions. In: Ashwini PK, Kishor M, Editors. Essentials of Psychiatry for Dermatology and Aesthetic Practice, 1st ed. Mysuru: Apsara Prakashana, 2021.p118-130.
5. Well-being Essentials for College Students. Nebhinani N, Gupta T, Swami MK, editors. 1st ed. Jodhpur: AIIMS, 2022 [ISBN: 978-93-5607-525-2]

Papers Presented:

1. Nathvani M, Mahal P, Swami MK, Nebhinani N, Bhatia PK. Predictors of mortality in patients with delirium under intensive care unit (ICU) setting (free paper presentation) at *21st WPA* World *Congress* of Psychiatry (Virtual), 18th-21st October, 2021

Sessions Chaired:

1. Chaired session on 'Clozapine associated life threatening side effects' by IPS- North Zone Online CME (7th April, 2021)
2. Chaired session on 'COVID-19 pandemic & children: Spotlight on the mental health consequences, evaluation and recommendation' at WASP Asia-pacific hybrid congress at virtual platform (17th September, 2021, AIIMS Delhi)
3. Chaired session on 'Sociocultural determinants of treatment seeking in Psychiatry in Indian perspective' at WASP Asia-pacific hybrid congress at virtual platform (17th September, 2021, AIIMS Delhi)
4. Chaired session on 'Genetic underpinning of mental and substance use disorders: Current understanding and potential scope' at WASP Asia-pacific hybrid congress at virtual platform (17th September, 2021, AIIMS Delhi)
5. Chaired Gehlot award session at 36th Annual conference of Indian Psychiatric Society- Rajasthan chapter (9th October, 2021, Jodhpur)

Invited Lectures

1. Nebhinani N, Grover S, Bathla M, Sarkar S, Mishra S. Webinar on 'Mental health of students' (26th August, 2021)
2. Nebhinani N. Metabolic syndrome in severe mental disorders. 21st Post Graduate Development Program, by Indian Psychiatric Society- North Zone (Virtual, 11th – September, 2021)
3. Nebhinani N. Lost Childhood during COVID pandemic (invited talk). 16th Biennial National Conference of Indian Association for Child and Adolescent Mental Health (24th – 26th December, 2021, CIP, Ranchi)
4. Nebhinani N. 'Drug: Types of drug, signs, and symptoms, ill effects of Alcohol, and treatment aspects' at Capacity building program on Drug abuse prevention for Police functionaries (Rajasthan Police Training Centre, Jodhpur, 22nd October, 2021)
5. Nebhinani N. 'Effects of Drugs and Alcohol on family and society' at Capacity building program on Drug abuse prevention for Police functionaries (Rajasthan Police Training Centre, Jodhpur, 22nd October, 2021)
6. Nebhinani N. Lost Childhood during COVID pandemic (invited talk). 16th Biennial National Conference of Indian Association for Child and Adolescent Mental Health (24th – 26th December, 2021, CIP, Ranchi)
7. Nebhinani N. COVID stress handling and time management skill training session. In COVID Preparedness Program: Training of Trainers (ToT): Gearing up for the future (AIIMS, Jodhpur, 8th January, 2022)

Symposium Speaker

1. Aneja J, Patra S, Nebhinani N. COVID-19 pandemic & children: Spotlight on the mental health consequences, evaluation and recommendation (Symposium). WASP Asia-pacific hybrid congress (16th-18th September, 2021, AIIMS Delhi)
2. Nebhinani N, Swami MK, Suthar N. Sociocultural determinants of treatment seeking in Psychiatry in Indian perspective (Symposium). WASP Asia-pacific hybrid congress (17th September, 2021, AIIMS Delhi)

3. Nebhinani N, Swami MK, Suthar N. Factors influencing treatment seeking in psychiatric practice (symposium). 73rd Annual National Conference of Indian Psychiatric Society (24th- 26th March, 2022, Vizag)

Resource Faculty

1. Nebhinani N. New Dimensions of Anxiety in the Contemporary Environment (Online training session for middle-level Managers). (*Institute of Counsellor Training Research and Consultancy, 9th April, 2021)*
2. Nebhinani N. Online training program on 'Skills to cope up with the ongoing Pandemic' for Central Bank of India employees (11th May, 2021)
3. Nebhinani N. Online training program on 'How to manage stress during COVID Pandemic' for Central Bank of India employees (12th May, 2021)
4. Nebhinani N. Online training program on 'How to stay positive in this difficult time of Pandemic' for Central Bank of India employees (13th May, 2021)
5. Nebhinani N. Webinar on "Is the world experiencing dual pandemic: COVID & mental health? Let's talk positive" (by Poornima University, JSPH & Indic-Chain, 15th May, 2021)
6. Nebhinani N. 2nd series of Online training program on 'How to stay positive in this difficult time of Pandemic' for Central Bank of India employees (1st June, 2021)
7. Nebhinani N. 2nd series of Online training program on 'How to manage stress during COVID Pandemic' for Central Bank of India employees (2nd June, 2021)
8. Nebhinani N. 2nd series of Online training program on 'How to manage and prevent stress during COVID pandemic' for Central Bank of India employees (3rd June, 2021)
9. Nebhinani N. 2nd series of Online training program on 'How to stay sunshine happy?' for Central Bank of India employees (4th June, 2021)
10. Nebhinani N. Webinar on "COVID-19 impact on Children" (by Poornima University, JSPH & Indic-Chain, 19th June, 2021)
11. Nebhinani N. Webinar on "Dealing with depression during college years" (by Poornima University, JSPH, 10th February, 2022)
12. Nebhinani N. 'Suicide prevention strategies and roles of gatekeepers' at Sensitization program on Suicide Prevention held at Barmer on 16th February, 2022
13. Nebhinani N, Pareek P, Vishnoi J. Webinar on "Why we are not winning the war on Cancer" (by Poornima University, JSPH, 25th February, 2022)
14. Nebhinani N. Psychological support for Children with Down's syndrome. In Interactive session on World Down syndrome day (20.3.22, Department of Pediatrics, AIIMS, Jodhpur)
15. Nebhinani N. Panelist in Webinar on 'Past, present and future of MINDS newsletter' (28th August, 2021)
16. Nebhinani N. Wellbeing: Concept and applications. National Online CME on Wellbeing essentials for Youth (AIIMS, Jodhpur, 23rd October, 2021)
17. Nebhinani N. Concept, issues and prevention strategies for pathological internet use. In National symposium on mental health development: Challenges and solutions (NSS, Jai Narain Vyas University, Jodhpur, 13th March, 2022)

Research Project:

Ongoing:

As Principal-Investigator

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

As Co-Investigator

1. Effect of Kriya Yoga on brain oscillations and perceived stress in Healthcare providers, during COVID-19 pandemic: A pilot study [DST project]
2. Evaluation of Toll like receptors 2, 4 and neurotransmitters receptors (Serotonin, Dopamine and Glutamate) and its significance in cognitive behaviour changes in Schizophrenia patients [Intramural project- AIIMS Jodhpur]
3. Assessment of cognitive functions and functional disability among symptomatic and remitted patients with depression [Intramural project- AIIMS Jodhpur]

Completed:

As Co-Investigator

1. Development and validation of an Indian scale to assess severity of substance related problems [ICMR project]
2. Attitude and barrier in seeking psychological help among undergraduate college students

Examinership

1. External Examiner for MD Thesis evaluation, Dr SN Medical College, Jodhpur (25th May, 2021)
2. MBBS Final Professional Psychiatry Examination, AIIMS Rishikesh (2nd-4th, March, 2022)

Membership/Post in Journal or Society or Association

1. Editor; Journal of Indian Association of Child and Adolescent Mental Health (From December 2017 to December, 2021)
2. Associate Editor; Journal of Mental Health and Human Behavior, Frontiers in Psychiatry (Aging Psychiatry section)
3. Editorial Advisory Board Member; Medical Journal of Dr. D.Y. Patil University, Journal of Geriatric Mental Health, International Journal of Education and Research in Health Sciences
4. Member, IPS Course & Certification Sub-committee (2022 onwards)
5. Honorary General Secretary, Indian Psychiatric Society-North Zone (2021-2022)
6. Executive council member (2021-2022) in Indian Psychiatric Society- Rajasthan Chapter

National/ International Conferences attended:

1. National CME on Medical Student's Wellness: Challenges and Initiatives (Virtual, 10th July, 2021, AIIMS Delhi)
2. World Association of Social Psychiatry (WASP) Asia-pacific hybrid congress (Virtual, 16th-18th September, 2021, AIIMS Delhi)
3. 21st Post Graduate Development Program, by Indian Psychiatric Society- North Zone (Virtual, 11th – 12th September, 2021)
4. 36th Annual conference of Indian Psychiatric Society- Rajasthan chapter (9th October, 2021, Jodhpur)
5. 16th Biennial National Conference of Indian Association for Child and Adolescent Mental Health (Virtual, 24th – 26th December, 2021, CIP, Ranchi)
6. 73rd Annual National Conference of Indian Psychiatric Society (24th- 26th March, 2022, Vizag)

Radio talk:

1. Radio Talk on 'World no tobacco day' (31.05.21)
2. Radio Talk on Mental health issues during and post COVID pandemic (20.6.21)
3. Radio Talk on Mental health promotion on Doctor's day (01.07.21)
4. Radio Talk on Effects of excessive mobile use in children (05.08.2021)
5. Radio Talk on Awareness talk on World Suicide prevention day (10.09.21 at Big FM)
6. Radio Talk on World mental health day (10.10.2021)
7. TV talk on world Suicide prevention day (10.09.21 at Patrika TV)

Name of Faculty: Dr Mukesh Kumar Swami
Designation: Associate Professor

Sessions Chaired:

1. Oral Communications, WASP Asia Pacific Hybrid Congress, 16-18 October 2021, New Delhi

Symposium Speaker

1. Nebhinani N, Swami MK, Suthar N. Sociocultural determinants of treatment seeking in Psychiatry in Indian perspective (Symposium). WASP Asia-pacific hybrid congress, 16th-18th September, 2021, AIIMS Delhi
2. Nebhinani N, Swami MK, Suthar N.Factors influencing treatment seeking in psychiatric practice, 73rd Annual National Conference of Indian Psychiatric Society, 24-26 March 2022, Vizag

Resource Faculty:

1. Workshop for Medical Officers on Management of Substance Use Disorders on 4th October 2021 at AIIMS Jodhpur
2. Seminar on Wellbeing Essentials for Youth under aegis of Indian Association for Social Psychiatry on 23rd October 2021 at AIIMS Jodhpur

Research Project:

Ongoing:

As Principal Investigator

1. Assessment of cognitive functions and functional disability among symptomatic and remitted patients with depression , (Funding -Intramural)

As Co-Investigator

1. Development and validation of an Indian instrument to assess severity of substance related problems (Funding- ICMR)
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
3. 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 (Funding -Intramural)
4. Development of a Psychosocial Wellness App for Medical Students (Funding -Intramural)

Completed:

As Principal Investigator

1. Assessment of correlates of dropout from psychiatric treatment in tertiary care psychiatric facility in western Rajasthan
2. A cross-sectional survey for assessment of user's perception for telepsychiatry consultation

As Co-Investigator

1. A Multicentric study to explore the experiences of patients with substance use disorder during the lockdown period in India
2. Emotional distress among health professionals involved in care of inpatients with COVID-19
3. Assessment of satisfaction and expectations of patients receiving mental health services in a tertiary care center in western Rajasthan.
4. A comparative study of pre and postoperative facial satisfaction and quality of life in patient undergoing rhinoplasty
5. Faculty's readiness and perception towards online teaching platform during COVID-19
6. Impact of Lock down on patients with Psychiatric illness

National/ International Conferences attended:

1. 73rd Annual National Conference of Indian Psychiatric Society, 24-26 March 2022, Vizag
2. WASP Asia Pacific Hybrid Congress, 16-18 October 2021, New Delhi

Name of Faculty: Dr Pratibha
Designation: Associate Professor

Books/Chapters

1. Gehlawat P, Gupta T. Technology enabled precision medicine in neurodevelopmental disorders (NDD) In: Enabling Technology for Neurodevelopmental Disorders: From Diagnosis to Rehabilitation, Wadhera T, Kakkar D, Taylor & Francis (In Press)
2. Gupta T, Gehlawat P. Technology Driven Interventions for Attention Deficit Hyperactivity Disorder (ADHD) In: Enabling Technology for Neurodevelopmental Disorders: From Diagnosis to Rehabilitation, Wadhera T, Kakkar D, Taylor & Francis (In Press)
3. Self-care/Management skills/Preventive strategies. Gehlawat P. In: Wellbeing essentials for Youth, 1 st edition Jodhpur: AIIMS, Jodhpur, 2022.p22- 33.
4. Concerns and Issues in College life. Nebhinani N, Gehlawat P, Dwivedi N. In: Wellbeing essentials for Youth, 1 st edition Jodhpur: AIIMS, Jodhpur, 2022.p-1-5.

Sessions Chaired:

1. "Psychosocial factors contributing to Pregnancy specific Anxiety: Implications for intervention" during World Association of Social Psychiatry, Asia-Pacific Hybrid Conference. 16^{th} -18^{th} September, 2021, New Delhi.

Symposium Speaker

1. "Psychosocial factors contributing to Pregnancy specific Anxiety: Implications for intervention" during World Association of Social Psychiatry, Asia-Pacific Hybrid Conference. 16th -18th September, 2021, New Delhi.

Research Project:

Ongoing:

As Co-Investigator

1. Women's health and Domestic violence against women during COVID-19 pandemic in India: A cross-sectional study. (Multi-centeric/WHO funded)

Completed:

As Principal Investigator

1. Assessment of satisfaction and expectations of patients receiving mental health services in a tertiary care center in western Rajasthan.
2. Assessment of behavioral and temperamental problems in children of parents with opioid dependence in a tertiary care center in western Rajasthan.
3. Faculty's readiness and perception towards online teaching platform during COVID- 19 pandemic.
4. Evaluation of knowledge and competency among nurses after a Brief Suicide Prevention Educational Program.

As Co-Investigator

1. Assessment of correlates of drop-out from psychiatric treatment in tertiary care psychiatric facility in western Rajasthan.
2. Impact of COVID-19 Pandemic and associated lock-down on patients with Psychiatric illness.
3. A cross-sectional survey for assessment of user's perception for Telepsychiatry consultation.

National/ International Conferences attended:

1. 47th National Annual Conference of Indian Association of Clinical Psychologists. (Virtual) 28-30 th May 2021, AFMC, Pune.
2. World Association of Social Psychiatry, Asia-Pacific Hybrid Conference. 16-18 th September, 2021, New Delhi.
3. Online Training Course on "Gender-based Violence and Human Rights for Promoting Women Health" held at National Institute of Health and Family Welfare. 8-10 th February, 2022, AIIMS, New Delhi.

Name of Faculty: Dr. Navratan Suthar
Designation: Assistant Professor

Invited Lectures:

1. Invited talk on "Mental Health in an unequal world" by Jodhpur School of Public Health (JSPH) on 10th October, 2021.

2. Lecture on "Role of Police in Rehabilitation of Drug & Alcohol affected persons" on 23rd October 2021 in Capacity Building program on "Drug Abuse Prevention" at Rajasthan Police Training Centre, Mandor, Jodhpur.

Symposium/Workshop Speaker:

1. Workshop for Medical Officers on “Management of Substance Use Disorders” on 04/10/2021.
2. Seminar on “Drug Abuse in College Students” on 26/06/2021
3. Symposium: Factors influencing treatment seeking in psychiatric practice- Influence of faith healing on treatment choices during ANCIPS from March 24th-26th, 2022.
4. Symposium: Natural Opium Dependence Management – Lacunae in Literature & Challenges in Clinics-Practical Challenges in Management of Natural Opium Dependence – Experience from AIIMS Jodhpur, during ADDICON from December 10th-11th, 2021.
5. Symposium: Sociocultural Determinants of Treatment-Seeking in Indian Setting during WASP ASIA – Pacific Hybrid Congress from September 16th-18th, 2021.

Research Project:

Ongoing:

As Principal Investigator

1. Change in the profile of patients seeking consultation from Psychiatry Out Patient Department during COVID-19 pandemic: A retrospective study

As Co-Investigator

1. Mental health morbidity among COVID-19 patients; risk, burden, pattern and management-a cohort study

Membership/Post in Journal or Society or Association

1. Associate editor, Journal of Indian Association of Child and Adolescent Mental Health
2. Life Fellow of ‘Indian Psychiatric Society-Rajasthan Branch’

National/ International Conferences attended:

1. 73rd Annual National Conference of Indian Psychiatric Society (ANCIPS) from 24th - 26th March 2022 at VIZAG, Visakhapatnam (Physical).
2. WASP Asia Pacific Hybrid Congress, 2021 to be held at New Delhi on 16th - 18th September 2021 (Virtual)
3. ADDICON 2021 to be held at New Delhi from December 10th-11th, 2021 (Virtual).
4. 36th RAJPSYCON to be held at Jodhpur, Rajasthan on 9th October 2021 (Physical).

Any other information:

1. Invited Radio talk on the occasion of World Mental Health Day (10th October, 2021) by All India Radio (Akashvani) Udaipur to talk on “Mental Health and Mental Illness”

Name of Faculty: Anish Shouan
Designation: Assistant Professor

Resource Faculty:

1. Dealing with Uncertainty. CME on Wellbeing Essentials for Youth organized by IASP; 2021 October 23; Jodhpur, Rajasthan, India.
2. Promotion of wellness & prevention of illness among medical students. CME on Medical Student's Wellness: Challenges and Initiatives; 2021 July 10; New Delhi, India.

Research Project:

Ongoing:

As Principal Investigator:

1. Attitude and barriers in seeking psychological help among undergraduate college students (non-funded)

Scientific Awards/Patents:

1. Early Career Fellowship offered by the Organizing Committee of WASP Asia Pacific Hybrid Congress 2021 in August 2021 at New Delhi

Name of Faculty: Dr. Preethy K
Designation: Assistant Professor

Books/Chapters

1. Kathiresan, P. Socio-cultural Diversity and adaptation. Well-being essentials for College Youth. AIIMS Jodhpur 1st Edition (2022). ISBN: 978-93-5607-525-2

Sessions Chaired:

1. Oral Communications, World Association of Social Psychiatry Conference, 16th September 2021, Online
2. MMSE-it's need and how to administer, World Association of Social Psychiatry Conference, 17th September 2021, Online

Invited Lectures:

1. "PEST Tool for Expert Surveys" – 2021 ISAM-Global Expert Network Talk Series on Scientific Methods in Global Survey – October 17, 2021
2. "Benzodiazepine Use Disorder – Assessment and Management" – IPS North Zone Online CME Series – 2nd March 2022

Symposium Speaker:

1. **"**Genetics and Substance Use Disorders: Clinical Perspective" at WASP, 16th to 18th September, 2021, Online

2. “Evidence of effectiveness of tobacco harm reduction in patients with substance dependence” at WASP, 16th to 18th September, 2021, Online
3. “Methodological Issues in Research on Internet Addiction” – Symposium at ADDICON, 10th and 11th December, 2021, Online
4. “Legal Challenges Related to Natural Opium Use and Dependence & Future Directions” – Symposium at ADDICON, 10th and 11th December, 2021, Online
5. “The Unmet Needs of Wives of People Who Inject Drugs” – Symposium at National Conference of Indian Association of Social Psychiatry in November 2021, Online
6. “Phenomenology of Behavioural Addictions” – Symposium at Annual National Conference of India Psychiatric Society, 26th March 2022, Online

Resource Faculty:

1. “Internet and Gadget Use -Setting the Limit” – Resource Faculty in National Online CME for Youth under the aegis of Indian Association for Social Psychiatry on 26th October 2021.
2. Resource Faculty for the Workshop for Medical Officers on Management of Substance Use Disorders at AIIMS, Jodhpur on 4th October, 2021.
3. “Training on Opioid substitution Therapy” – Training for staff of OST clinics of Chandigarh State AIDS Control Society at Chandigarh on 20th to 22nd December 2021
4. Training on Opioid substitution Therapy” – Training for staff of OST clinics of Punjab State AIDS Control Society at Chandigarh on 7th to 9th March 2022
5. “Making a Diagnosis of Substance Use Disorder” in the Foundation Day CME on “ICD-11 Mental, Behavioural or Neurodevelopmental Disorders: How does it impact your psychiatric training and practice?” Conducted by PGI, Chandigarh in September, 2021
6. Skill building session for Psychiatry Residents and MSc Psychiatry Nursing students of AIIMS Jodhpur on ‘Suicide Prevention” on 9th October 2021
7. “Mental Health and SUD in Underprivileged” – awareness talk for MBBS and Nursing students at AIIMS, Jodhpur on 9th October 2021.

Research Project:

Ongoing:

As Principal Investigator

1. Development of Psychological Wellness App for Medical Students – AIIMS Jodhpur Intramural funding
2. Experience of Take-Home Buprenorphine in Punjab Opioid Substitution Therapy Centres – Funding by Punjab State AIDS Control Society

As Co-Investigator

1. Facilitators and Barriers in the uptake of HIV-related services among spouses of male Injecting Drug Users (IDUs): A cross-sectional, multi-site study from Delhi, India – Funding by Delhi State AIDS Control Society (Collaboration with AIIMS, New Delhi)

Completed:

As Co-Investigator

1. International Sex Survey – An online, cross-sectional study (Non Funded – Collaboration with AIIMS, Delhi)

2. Experience of Patients on Methadone Maintenance Treatment Receiving Take-Home Methadone Doses During Covid-19 Pandemic in India: A Mixed-Method Study (Non-Funded – Collaboration with AIIMS, Delhi)

Scientific Awards/Patents

1. "Master Trainer" for Opioid Substitution Therapy Program awarded by National AIDS Control Organization in September, 2021
2. Beck Institute Scholarship, awarded by Beck Institute to attend the Student & Early Career Professional Workshop on CBT for Depression and Suicide in Aug 2021

Membership/Post in Journal or Society or Association

1. Assistant Officer, ISAM- Global Expert Network, International Society of Addiction Medicine
2. Review Editor, Frontiers in Psychiatry, Frontiers in Public Health, Frontiers in Sociology
3. Member, Network of Early Career Professionals working in the area of Addiction Medicine (NECPAM)
4. Member, Dual Diagnosis Informal Network
5. Completed. "Online Training course on Statistical Data Analysis using R software for Health Professionals / Faculties of Medical Colleges" conducted by National Institute of Health and Family Welfare from 28th Feb 2022 to 2nd March 2022.
6. Attended Beck Institute's Workshop on Student and Early Career Professional Workshop on CBT for Depression and Suicide on 2nd to 4th August 2021
7. World Association of Social Psychiatry (WASP) Asia-pacific hybrid congress on 16th to 18th September, 2021 (AIIMS, New Delhi)
8. ADDICON, conducted by Addiction Psychiatry Society of India on 10th to 11th December, 2021 (AIIMS, New Delhi)
9. National Conference of Indian Association of Social Psychiatry on 26th to 28th November 2021 (AIIMS, New Delhi)
10. 73rd Annual National Conference of Indian Psychiatric Society (24th- 26th March, 2022, Vizag)

Any other information:

1. Radio Awareness talk on World Suicide prevention day (10.09.21 at Akashvani)
2. Conducted National Online PG Quiz Competition for Psychiatry Postgraduate Students in October 2021.
3. Quiz Master in "ADDIQUIZON" – National Online Quiz on Addiction Psychiatry at ADDICON 2021.

Department of Pulmonary Medicine

S.No.	Name	Designation
1	Dr. Naveen Dutt	Additional Professor
2	Dr. Nishant Kumar Chauhan	Additional Professor
3.	Dr. Ramniwas	Assistant Professor
4.	Dr. Ashok Kuwal (till 14th Aug, 2021)	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 ranging from airway disorders like asthma, COPD, bronchiectasis, lung infections including tuberculosis and other mycobacterial infections, pleural diseases, lung cancer, sleep disorders, occupation-related lung disorders like silicosis, interstitial lung diseases, pulmonary vascular diseases and patients with respiratory failure requiring invasive/non-invasive ventilatory support. We have initiated advanced pulmonary interventions using flexible and rigid bronchoscopy.

We are offering OPD as well as IPD facilities to our patients. Presently we are doing the following investigations and procedures in our department: Spirometry, FENO, body plethysmography and diffusion study, polysomnography/ Sleep laboratory, critical care – 6 bed ICU, medical thoracoscopy, diagnostic and therapeutic bronchoscopy, Endo-bronchial Ultrasound guided transbronchial needle aspiration, radial EBUS guided TBLB, rigid bronchoscopy, cryobiopsy and foreign body removal, USG guided pleural procedures and transthoracic lung biopsy and DOTS centre services

Pubmed Indexed:

1. Varikasuvu SR, Varshney S, Dutt N. Markers of coagulation dysfunction and inflammation in diabetic and non-diabetic COVID-19. J Thromb Thrombolysis. 2021 May;51(4):941-946.
2. Kuwal A, Advani M, Dutt N, Saini S, Singh S. Diagnostic accuracy of semirigid thoracoscopy in exudative pleural effusions and relationship of thoracoscopic findings with probability of malignant diagnosis. Monaldi Arch Chest Dis. 2021 May 26;91(3).
3. Vishwajeet V, Purohit A, Kumar D, Parag V, Tripathi S, Kanchan T, Kothari N, Dutt N, Elhence PA, Bhatia PK, Nag VL, Garg MK, Misra S. Evaluation of Pathological Findings of COVID-19 by Minimally Invasive Autopsies: A Single Tertiary Care Center Experience from India. J Lab Physicians. 2021 Jun;13(2):97-106.
4. Chauhan NK, Shadrach BJ, Garg MK, Bhatia P, Bhardwaj P, Gupta MK, Dutt N, Jalandra RN, Garg P, Nag VL, Sharma P, Bohra GK, Kumar D, Elhence PA, Banerjee M, Mathur D, Purohit AH, Gadepalli R, Sureka B, Misra S. Predictors of Clinical Outcomes in Adult COVID-19 Patients Admitted to a Tertiary Care Hospital in India: an analytical cross-sectional study. Acta Biomed. 2021 Jul 1;92(3):e2021024.
5. Yadav P, Kumar D, Meena DS, Bohra GK, Jain V, Garg P, Dutt N, Abhishek KS, Agarwal A, Garg MK. Clinical Features, Radiological Findings, and Treatment Outcomes in Patients with Pulmonary Nocardiosis: A Retrospective Analysis. Cureus. 2021 Aug 17;13(8): e17250.

6. Sharma A, Kothari N, Goel AD, Narayanan B, Goyal S, Bhatia P, Kumar D, Bohra GK, Chauhan NK, Jalandra R, Dutt N, Bhardwaj P, Garg MK, Misra S. Clinical features and mortality in COVID-19 SARI versus non COVID-19 SARI cases from Western Rajasthan, India. J Family Med Prim Care. 2021 Sep;10(9):3240-3246.
7. Khichar S, Samantaray S, Kumar D, Mobarsa V, Jain V, Sharma V, Soni K, Choudhury B, Goyal A, Shankar Meena D, Srinivasan S, Dutt N, Bhardwaj P, Agarwal A, Kumar Garg M, Misra S. New-onset hyperglycaemia and prolonged systemic corticosteroids therapy in mild COVID-19 patients as major risk factors for invasive mucormycosis: a preliminary study. Curr Med Mycol. 2021 Sep;7(3):22-28.
8. Palanisamy N, Vihari N, Meena DS, Kumar D, Midha N, Tak V, Sharma A, Bohra GK, Kothari N, Dutt N, Bhatia PK, Garg MK, Misra S. Clinical profile of bloodstream infections in COVID-19 patients: a retrospective cohort study. BMC Infect Dis. 2021 Sep 8;21(1):933
9. Asfahan S, Elhence P, Dutt N, Niwas Jalandra R, Chauhan NK. Digital-Rapid On-site Examination in Endobronchial Ultrasound-Guided Transbronchial Needle Aspiration (DEBUT): a proof-of-concept study for the application of artificial intelligence in the bronchoscopy suite. Eur Respir J. 2021 Oct 14;58(4):2100915.
10. Niwas R, Shadrach BJ, Deokar K, Dutt N, Jain P. A Curious case of Vasovagal Shock following Transesophageal Endobronchial Ultrasound-Guided Needle Aspiration (EUS-B-NA). Acta Biomed. 2021 Nov 4;92(S1):e2021133.
11. Ladha N, Bhardwaj P, Chauhan NK, Kh N, Nag VL, Giribabu D. Determinants, risk factors and spatial analysis of multi-drug resistant pulmonary tuberculosis in Jodhpur, India. Monaldi Arch Chest Dis. 2022 Jan 18. doi: 10.4081/monaldi.2022.2026. Epub ahead of print. PMID: 35044136.
12. Varikasuvu SR, Varshney S, Dutt N, Munikumar M, Asfahan S, Kulkarni PP, Gupta P. D-dimer, disease severity, and deaths (3D-study) in patients with COVID-19: a systematic review and meta-analysis of 100 studies. Sci Rep. 2021 Nov 8;11(1):21888.
13. Chauhan NK, Asfahan S, Dutt N, Jalandra RN. Artificial intelligence in the practice of pulmonology: The future is now. Lung India. 2022 Jan-Feb;39(1):1-2..
14. Pvsn KK, 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. 2022 Jan 22:1–8.
15. Deokar K, Elhence P, Dutt N, Jalandra RN, Khera S, Sharma PP, Chauhan NK. Diagnostic accuracy and adequacy of rapid on-site evaluation performed by a pulmonologist on transbronchial needle aspiration specimens (DREPA): a prospective study. Adv Respir Med. 2022 Jan 31.
16. Ganesan A, Kumar S, Kaur A, Chaudhry K, Kumar P, Dutt N, Nag VL, Garg MK. Oral Manifestations of COVID-19 Infection: An Analytical Cross-Sectional Study. J Maxillofac Oral Surg. 2022 Feb 5:1-10
17. Jalandra RN, Shahul AS, Asfahan S, Garg MK, Nebhinani N, Dutt N, Chauhan NK, Swami MK, Bhatia PK, Bhardwaj P, Suthar N, Kumar A, Kumawat R, Andani R, Misra S. Emotional distress among health professionals involved in care of inpatients with COVID-19: a survey based cross-sectional study. Adv Respir Med. 2022 Feb 24.
18. Vishwajeet V, Purohit A, Kumar D, Vijayvergia P, Tripathi S, Kanchan T, Kothari N, Dutt N, Elhence PA, Bhatia PK, Nag VL, Garg MK, Misra S. Evaluation of Liver Histopathological Findings of Coronavirus Disease 2019 by Minimally Invasive Autopsies. J Clin Exp Hepatol. 2022 Mar-Apr;12(2):390-397.
19. Chaudhry K, Khatana S, Bali R, Kaur A, Dutt N. Quality of Life in Oral Submucous Fibrosis: A Systematic Review. J Maxillofac Oral Surg. 2022 Mar;21(1):14-24.
20. Bajad P, B A, Dutt N, Niwas R, Garg PK, Khera P, Chauhan NK. Forgotten Chemo-Port Leading to Chylothorax: A Rare Presentation. Acta Biomed. 2022 Mar 14;93(1):e2022031

Name of Faculty: Dr Naveen Dutt
Designation: Additional Professor

Scientific Awards/Patents-

1. Selected as a winner of the second India-Sweden Healthcare innovation challenge at the Dubai Expo 2020 in Dubai on 31st January 2022.

Invited Lectures-

1. Guest lecture on "Connective tissue diseases associated ILD" on 12th march 2022 in Annual pulmonary medicine Rajasthan state conference (RAJPULMOCON) held on 11-13 March at RNT medical college, Udaipur
2. Invited by National Board of examination to take a guest lecture (online) on Hypersensitivity pneumonitis on 25th August 2021 for the DNB Respiratory medicine students.

Workshops/ Conferences Organized

1. Conducted a workshop on "Programmatic management of Tuberculosis – for private practitioners and Rajasthan state Health doctors as NTEP Core Committee AIIMS Jodhpur on 14th November 2021, AIIMS Jodhpur
2. Conducted a workshop on "Basic bronchoscopy" on 11th march 2022 in 21st Annual Pulmonary Medicine Rajasthan state conference (RAJPULMOCON) held on 11-13 March 2022 at R.N.T medical college Udaipur.

Resource Faculty:

1. Indian Chest society Webinar on World Pneumonia Day on 12.11.21

Research Projects:

Ongoing:

As Principal Investigator

1. Indian Pulmonary embolism registry (IndiPER)
2. ICMR network of pulmonary fibrosis
3. Ultrasonographic diaphragm functions assessment among post-COVID patients.

As Co-Investigator

1. A study of automatic sleep applying machine learning algorithms on polysomnographic recordings.
2. Clinical profile and predictors of morbidity and mortality in patients with COVID-19 associated cavitating lung disease.
3. SOLIDARITY TRIAL; An international randomised trial of additional treatments for COVID-19 in hospitalised patients who are all receiving the local standard of care

Examinership-

1. Invited as examiner for thesis evaluation of MD Respiratory medicine students at JLN medical college, Ajmer march 2022

2. Invited as subject expert by Rajasthan Public service commission, Ajmer moderation of question paper of TB and chest diseases on 23rd March 2022.
3. Invited as examiner for thesis evaluation of MD Respiratory Medicine students at S.N medical college, Jodhpur on 23.3.22

National/ International Conferences attended:

1. RAJPULMOCON Udaipur

Any other information:

1. Nominated as expert for central team to visit Mohali district to assist the state health department for reviewing Public health measures and clinical management in COVID-19 in April 2021.

Name of Faculty: Dr Nishant Kumar Chauhan
Designation: Additional Professor

Invited Lecture:

1. National Board of Examinations online lecture on CTD-ILD on 18.08.2021

Resource Faculty:

1. Geriatric medicine training of medical officers of Rajasthan conducted at AIIMS Jodhpur from 21-23 March 2022

Research Project:

Ongoing:

As Principal Investigator

1. SOLIDARITY TRIAL; An international randomised trial of additional treatments for COVID-19 in hospitalised patients who are all receiving the local standard of care

As Co-Investigator

1. An international, multicenter randomized double blind placebo controlled trial of 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. Pharmacogenomic, Biochemical, epigenetic and population pharmacokinetic study in TB patients-multicentric study
3. Indian Pulmonary embolism registry (IndiPER)
4. ICMR network of pulmonary fibrosis
5. Ultrasonographic diaphragm functions assessment among post-COVID patients.
6. A study of automatic sleep applying machine learning algorithms on polysomnographic recordings.
7. Clinical profile and predictors of morbidity and mortality in patients with COVID-19 associated cavitating lung disease.

Examinership-

1. DM pulmonary, critical care and sleep medicine at AIIMS Jodhpur
2. DM Infectious Diseases at AIIMS, New Delhi for thesis evaluation
3. MD respiratory medicine, RUHS Rajasthan

Any other information-

1. Nominated as expert for central team to visit Chandrapur district, Maharashtra to assist the state health department for reviewing Public health measures and clinical management in COVID-19 in April 2021.

Name of Faculty: Dr Ramniwas
Designation: Assistant Professor

Research Project:

Ongoing:

As Principal Investigator

1. A study of automatic sleep applying machine learning algorithms on polysomnographic recordings.
2. Clinical profile and predictors of morbidity and mortality in patients with COVID-19 associated cavitating lung disease.

As Co-Investigator

1. Ultrasonographic diaphragm functions assessment among post-COVID patients.

Name of Faculty: Dr Ashok Kuwal
Designation: Assistant Professor

Resource faculty-

1. NTEP sensitization workshop, AIIMS Jodhpur

Research Project:

Ongoing:

Co-Investigator:

1. A study of automatic sleep applying machine learning algorithms on polysomnographic recordings

Any other information-

1. Visited Surat and Ahmedabad as part of central team for COVID containment in April 2021

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 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, a 4D CT Simulator, a 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 as 3DCRT, IMRT, IGRT, SBRT, SRS, Extra-corporeal RT, Intra-cavitory and Interstitial brachytherapy etc.

More than 2380 patients were treated on LINAC with radiation therapy, 234 patients received brachytherapy and more than 8000 admissions were made for various chemotherapy and systemic treatments in the department.

Department is continuing to do per-op interstitial implant brachytherapy for soft tissue sarcomas. This year interstitial brachytherapy use is expanded for breast cancers, heand and neck cancers and gynecological tumors.

The Department participates in the MBBS and Nursing Teaching, PG teaching of Radiation and Surgical oncology, teaching of Medical officers through ‘Training of Trainers’ Programme as per the curriculum and in integrated teaching classes and UNCLE.

Compiled list of Publications of the department:

Pubmed Indexed:

1. Morgan G, Tagliamento M, Lambertini M, Devnani B, Westphalen B, Dienstmann R et al. Impact of COVID-19 on social media as perceived by the oncology community: results from a survey in collaboration with the European Society for Medical Oncology (ESMO) and the OncoAlert Network. ESMO Open. 2021 Apr;6(2):100104.
2. Lim KHJ, Murali K, Kamposioras K, Punie K Oing C. O’Connor M, Thorne E, T. Amaral T, Garrido P, Lambertini M, Devnani B, Westphalen CB, Morgan G, . Haanen JABG, Hardy C,

Banerjee S. The concerns of oncology professionals during the COVID-19 pandemic: results from the ESMO Resilience Task Force survey II. ESMO Open. 2021 Apr;6(4):100199
3. Banerjee S, Lim KHJ, Murali K, Kamposioras K, Punie K, Oing C, O'Connor M, Thorne E, Devnani B, Lambertini M, Westphalen CB, Garrido P, Amaral T, Morgan G, Haanen JBAG, Hardy C. The impact of COVID-19 on oncology professionals: results of the ESMO Resilience Task Force survey collaboration. ESMO Open. 2021 Apr;6(2):100058
4. Lim KHJ, Murali K, Thorne E , Punie K , Konstantinos K , Oing C , O'Connor M , Élez E , Amaral T, Garrido P, Lambertini M , Devnani B, Westphalen B, Morgan G, Haanen JBAG , Hardy C, Banerjee S. The impact of COVID-19 on oncology professionals – one year on: lessons learned from the ESMO Resilience Task Force survey series ESMO Open. 2021:7 (1):100374
5. COVIDSurg Collaborative and GlobalSurg Collaborative. "Effects of Pre-Operative Isolation on Postoperative Pulmonary Complications after Elective Surgery: An International Prospective Cohort Study." Anaesthesia 76, no. 11 (November 2021): 1454–64.
6. "Timing of Surgery Following SARS-CoV-2 Infection: An International Prospective Cohort Study." Anaesthesia 76, no. 6 (June 2021): 748–58.
7. Das N, Kaushal D, Patro SK, Pareek P, Dixit A, Soni K, Prakasan Nair N, Choudhury B, Goyal A. Relative contributions of radiation and cisplatin-based chemotherapy to sensorineural hearing loss in head-and-neck cancer patients. Acta Oto-Laryngologica. 2021 Sep 1;141(9):885-93.
8. Elhence PA, Vedant D, Singh S, Pareek P. An Unusual Nodular Tumour of the Penile Shaft with Clinicopathologic and Immunohistochemical Correlation. Turkish Journal of Pathology. 2022 Jan 1;38(1):070-2.
9. Jain A, Vishnoi JR, Sasidhar A, Pareek P, Misra S. Ileocolocolic intussusception with multiple internal abdominal herniations complicated by multiple colonic perforations: an enigma. ANZ Journal of Surgery. 2021 Jul;91(7-8):E528-30.
10. Soni S, Pareek P, Rakesh A, Abhilasha A. Hepatocellular Carcinoma (HCC) in North-Western India: A Retrospective Study Focusing on Epidemiology, Risk Factors, and Survival. Journal of Gastrointestinal Cancer. 2021 Sep 22:1-9.
11. Soni S, Pareek P, Narayan S, Varshney V. Mucinous cystic neoplasm of the liver (MCN-L): a rare presentation and review of the literature. Medicine and Pharmacy Reports. 2021 Jul;94(3):366.

Eminent Visitors:

1. Prof Shaleen Kumar, Professor and Head, Department of Radiation Oncology, SGPGI, Lucknow.
2. Dr Subhash Gupta, Additional Professor, Department of Radiotherapy and Oncology, AIIMS, New Delhi

Name of Faculty: Dr. Puneet Pareek
Designation: Additional Professor & Head

Research Project:

Ongoing:

1. Comprehensive Cancer Support Services jointly with the Indo- Sweden Healthcare MoU

Resource Faculty:

1. Faculty at Training of Trainer (ToT) programme for the medical officers for 'Screening of common cancers'

As Co-Investigator

1. Guardian-Reported Impact of the COVID-19 Pandemic on the Lifestyle of Children with Diabetes Mellitus.
2. A Combined Analysis of Serum Growth Differentiation Factor-15 and Cancer Antigen 15-3 Enhances the Diagnostic Efficiency in Breast Cancer.
3. Risk Stratification of Breast Fine-Needle Aspiration Biopsy Specimens Performed without Radiologic Guidance by Application of the International Academy of Cytology Yokohama System for Reporting Breast Fine-Needle Aspiration Cytopathology.
4. An Unusual Nodular Tumour of the Penile Shaft with Clinicopathologic and Immunohistochemical Correlation.
5. Relative contributions of radiation and cisplatin-based chemotherapy to sensorineural hearing loss in head-and-neck cancer patients.
6. Mucinous cystic neoplasm of the liver (MCN-L): a rare presentation and review of the literature.
7. SARS-CoV-2 infection and venous thromboembolism after surgery: an international prospective cohort study.
8. Effects of pre-operative isolation on postoperative pulmonary complications after elective surgery: an international prospective cohort study.
9. SARS-CoV-2 vaccination modelling for safe surgery to save lives: data from an international prospective cohort study.
10. Timing of surgery following SARS-CoV-2 infection: an international prospective cohort study.
11. Epidemiology and Clinicopathological Profile of Renal Cell Carcinoma: A Review from Tertiary Care Referral Centre.
12. Ileocolocolic intussusception with multiple internal abdominal herniations complicated by multiple colonic perforations: an enigma.
13. Thyroid Follicle-Like Cholangiocarcinoma in Liver: a Novel Variant and What We Know So Far?

Name of Faculty: Dr. Rakesh Kumar Vyas
Designation: Professor

Examinership:

1. AIIMS Jodhpur 22nd May 2021
2. SN Medical College Jodhpur 25th June 2021
3. Geetanjali medical College Udaipur 26th june 2021
4. RNT Medical College Udaipur 27th june 2021
5. MG Medical College Jaipur 24th July 2021
6. DNB Exam Apollo Indraprasth Delhi 16th Sept 2021
7. Theory paper setting for Gujarat Public Service Commission July 2021
8. Theory paper setting for Rajasthan Public service Commission
9. Theory paper setting for National Board of Examination DNB Radiotherapy
10. Theory paper setting for MBBS Exit Examination
11. Theory paper setting for AIIMS Jodhpur
12. External expert for selection of Assistant Professor Radiotherapy Rajasthan Public Service Commission

Conferences

1. Chaired session Radonc Conclave West Zone (Prostate) 22nd Feb 2022
2. Chaired Session GYN-ONCO Virtual Conference 17-18 Sept 2021 at New Delhi

Resource Faculty:

1. Faculty at Training of Trainer (ToT) programme for the medical officers for 'Screening of common cancers'

Name of Faculty: Dr. Bharti Devnani
Designation: Assistant Professor

Books/Chapters

1. Devnani B, Bhasker Set al. "Radiotherapy, Chemotherapy, and Quality of Life" *Essentials of Rhinology*, edited by Verma H, Thakkar A Springer 2021 pp 330-341

Sessions Chaired:

1. Invited as a 'Judge' in the young faculty best paper award session at 32nd UPAROICON on 18th and 19th Dec 2021 at Agra

Invited Lectures/Symposium Speaker

1. Speaker in the session titled- 'Pan-Asian adapted ESMO Clinical Practice Guidelines lecture on head and neck cancer' at ESMO Asia virtual oncology week 2021 on 21st Nov 2021
2. Speaker at Sabah Rectal Cancer Summit-2021, Malaysia (Virtual) to speak on 'Approach to rectal cancer with resectable Metastases' on 2nd Oct 2021
3. Presented in CPC on 1st Oct 2021- A case of 'Polymorphus adenocarcinoma of lip'at AIIMS Jodhpur
4. Moderator at Train to ESMO "How To" session - How to achieve equity in clinical trials. Considerations in trials design and analysis on 14th Sep 2021 by Young Oncologist Committee of ESMO
5. Invited to speak on a topic- CNS metastasis- Optimizing local therapy, improving systemic control from ESMO20 Education Weekend: for regional talk (Asia-Pacific) – video published on 9th June 2021
6. Speaker invitation on 'Global inequities in Cancer-Indian Perspective' by the OncoAlert Spotlight forum on 7th April 2021 (Virtual)
7. Panelist in the session entitled 'Patient care with sense of belonging and accountability and behaviour with ward staff, service towards society (Professionalism) on 3rd Jan 2022 at AIIMS, Jodhpur
8. Clinical grand rounds 'CGR' on the topic 'Point Blank' (on Brachytherapy -Our experience) on 16th March 2022 at AIIMS, Jodhpur

Resource Faculty:

1. Radiation therapy for breast cancer. Faculty at Training of Trainer (ToT) programme for medical officers for 'Screening of common cancers' at AIIMS, Jodhpur
2. Introduction to breast cancer. Faculty at Training of Trainer (ToT) programme for medical officers for 'Screening of common cancers' at AIIMS, Jodhpur

Research Project:

Ongoing:

As Co-Investigator

1. A cross-sectional study analysing tumor microenvironment and peripheral blood exhausted T cell population in association with growth differentiating factor-15 and galectin -9 of breast cancer
2. Evaluating outcomes of supportive care on the quality of life of cancer patients: Study design and rationale
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
4. Neoadjuvant chemotherapy followed by surgery versus surgery followed by adjuvant chemotherapy for resectable gastric adenocarcinoma- Phase 3 multicentric randomised controlled trial
5. Post-operative intraperitoneal chemotherapy after interval cytoreduction in epithelial ovarian cancer (POICE): A randomized phase III trial
6. SPEAR(Study of PIK3CA mutations and Effectiveness and tolerability outcomes of Alpelisib in Real-world) A descriptive study of PIK3CA mutations and outcomes with Alpelisib in patients with HR-positive and HER2-negative advanced breast cancer (ABC)/metastatic breast cancer (MBC) in India
7. Expression of epithelial mesenchymal transition markers in oral squamous cell carcinoma: Immunohistochemistry based cross sectional study
8. Ganga Godavari- Marudhara screening program for women (Phase -I)

Completed:

As Co-Investigator

1. ESMO Resilience task force Survey Collaborator-The Impact of COVID-19: One Year on – Hopes for the Future?
2. Global survey of Social media and Virtual Meetings in the Covid-19 Era

Examinership

1. Paper setter for MCQ examination for the selection of Assistant professor for Gujrat Public Service Commission (GPSC)
2. Coordinated in conduction of MD Radiation Oncology exam on 22nd May in the department

Membership/Post in Journal or Society or Association

1. Chair of committee on ICMR consensus document for Cancer management guidelines of 'CNS Tumors' under ICMR phase- II task force project
2. Chair of committee on ICMR consensus document for Cancer management guidelines of 'Melanoma' under ICMR phase- II task force project
3. Member of committee on ICMR consensus document for Cancer management guidelines of 'Cancer survivorship' under ICMR phase- II task force project
4. Core Committee member of membership committee of European Society for Medical Oncology (ESMO)
5. Core committee member of ESMO Climate Change Task Force
6. Member of the project ESMO/ESTRO "Expert Consensus Statements for the optimal management of cancer patients treated with palliative radiotherapy concurrently with immunotherapy and/or targeted agents"- Breast metastasis/CNS

7. Member of ‘Pan Asia ESMO Guidelines Adaptation project for Squamous cell carcinoma of the oral cavity, larynx, oropharynx and hypopharynx: EHNS-ESMO-ESTRO Clinical Practice Guidelines for diagnosis, treatment and follow-up’ under the lead of the Korean Society of Medical Oncology
8. Editorial board of Cancer Treatment and Research Communications
9. Editorial board of Translational Oncology
10. Editorial board of Current Problems in Cancer- Case Reports
11. Reviewer for Journal of Adolescent and Young Adult Oncology
12. Reviewer for Cancer Treatment and Research Communications
13. Reports of Practical Oncology & Radiotherapy
14. Reviewer for Translational Oncology
15. Reviewer for Current Problems in Cancer- Case Reports
16. Reviewer for Indian Journal of cancer
17. Reviewer for Cancer Research, Statistics and Treatment
18. Reviewer for World journal of Surgical Oncology
19. Reviewer for Oral Oncology
20. Member, Indian Brachytherapy Society No- LM-495
21. Member, Indian Association of Palliative care IAPC-2017-90976057
22. Member, Foundation for head and neck oncology- LM-1121
23. Member-ESMO (370286)

National/ International Conferences attended:

1. International Stereotactic Radiosurgery society seminars (virtual)
2. ESMO Asia virtual weekend
3. ESMO -2021
4. Sabah rectal cancer summit
5. UPAROICON at Agra

Name of Faculty: Dr. Akanksha Solanki
Designation: Assistant Professor

Resource Faculty:

1. Faculty at Training of Trainer (ToT) programme for the medical officers for ‘Screening of common cancers’

Department of Surgical Gastroenterology

S.No.	Name	Designation
1	Dr. Vaibhav Kumar Varshney	Associate Professor
2	Dr. Subhash Chandra Soni	Associate Professor
3	Dr. Selvakumar B	Assistant Professor
4	Dr. Peeyush Varshney	Assistant Professor

About the Department:

The department of Surgical Gastroenterology continued its constructive journey toward the well-being of patients and the training of academic residents.

State-of-the-art facilities and equipment, especially laparoscopy and robotic, are utilized to fulfill the need of patients with various gastrointestinal disorders. One new faculty joined the department in October 2021 and hoping for its further expansion in the future. During the COVID-19 pandemic, all the department members continued to work towards the patient care and education of residents with utmost dedication.

Education

Presently, the department has six senior residents pursuing MCh in Surgical Gastroenterology. During the COVID-19 pandemic, online classes such as journal club, seminar presentations, and clinical case presentations were continued to prevent any break in academic activities. Our 3rd-year MCh resident, Dr. Raghav Nayar received the award for best oral presentation, second years Dr. Shabana received the best video presentation, and Dr. Vignesh N received the best poster presentation award at the virtual IASGCON 2021.

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 was also actively involved in teaching undergraduate students through didactic lectures and problem-based learning.

Patient Care

Out Patients**:** Our outpatient services are available on the 5th floor of the OPD section, C block (Room No.-547-549). Our department policy remained to provide fast-track treatment to all patients with gastrointestinal disorders. Telemedicine consultations were given to new and old patients during the pandemic to provide the best care. Surgical interventions were prioritized for patients suffering from Gastrointestinal and HPB cancers after taking all necessary precautions.

Total number of patients seen in OPD: 2237 [604 (New) + 1633 (follow-up)]

Inpatients: Bed strength for the department is **gradually increasing. We have** separate general beds for male and female patients and semi-private & private rooms. Records of all admitted, treated, and discharged patients are maintained methodically in computer software for easy access and follow-up.

Total IPD admissions: 888; Total Surgical procedures performed: 355 (Elective: 282, Emergencies: 83); Total number of operative mortalities: 20 (5.6%)

Compiled list of Publications of the Department:

Pubmed Indexed:

1. Varshney VK, Nayar R, Yadav T, Khera S. Duodenal gastrointestinal stromal tumour imitating as pancreatic head tumour. BMJ Case Rep. 2022 Mar 1;15(3):e248828.
2. Datta D, Aggarwal D, Balakrishnan S, Varshney VK, Kumar R. Metastasis from Cervical Cancer Presenting as a Pancreatic Head Mass - an Unexpected Diagnosis! J Gastrointest Cancer. 2022 Feb 28.
3. Sharma A, Nagar A, Varshney P, Tomar M, Sarin S, Choubey RP, Kapoor VK. Pancreas-preserving limited duodenal resection: Minimizing morbidity without compromising oncological adequacy. Ann Hepatobiliary Pancreat Surg. 2022 May 31;26(2):149-158.
4. Gupta D, Khera S, Soni SC. Adenosquamous Carcinoma of the Extrahepatic Bile Duct. Ochsner J. 2022 Spring;22(1):89-93.
5. Rodha MS, Meena SP, Soni SC, Sharma N. Laparoscopic transhiatal oesophageal diverticulectomy: An experience of large epiphrenic oesophageal diverticulum and review literature. J Minim Access Surg. 2021 Nov 15.
6. Sureka B, Rai B, Varshney VK, Nag VL, Garg MK, Garg P, Yadav T, Khera PS. Diffusion-Weighted Magnetic Resonance Imaging Is an Ideal Imaging Method to Detect Infection in Pancreatic Collections: A Brief Primer for the Gastroenterologists. Cureus. 2022 Jan 23;14(1):e21530.
7. Varshney VK, Swami A. Total robotic choledochal cyst excision with Roux-en-Y hepaticojejunostomy in adults. Langenbecks Arch Surg. 2022 Jan 7.
8. Nayar R, Varshney VK, Goel AD. Outcomes of Gastric Conduit in Corrosive Esophageal Stricture: a Systematic Review and Meta-analysis. J Gastrointest Surg. 2021 Sep 10.
9. Soni S, Pareek P, Narayan S, Varshney V. Mucinous cystic neoplasm of the liver (MCN-L): a rare presentation and review of the literature. Med Pharm Rep. 2021 Jul;94(3):366-371.
10. Varshney VK, Yadav T. Ileo-ureteric with Ileo-uterine fistula: Double trouble. Indian J Med Res. 2021 Apr;153(4):508-509.
11. Varshney VK, Swami A. Pre-operative embolization of a replaced right hepatic artery before pancreaticoduodenectomy for pancreatic adenocarcinoma. HPB (Oxford). 2021 Jul 24:S1365-182X(21)00635-3
12. Varshney VK, Swami A, Thirunavukkarasu B, Agarwal A, Baid G. Synchronous Small Bowel Gangrene With Pyelonephritis Secondary to Mucormycosis: A Disastrous Complication of COVID-19 Pandemic. Cureus. 2021 Jun 25;13(6):e15911
13. Varshney VK, Varshney B, Khera S, Sureka B. Adenocarcinoma of the fourth portion of duodenum presenting as intussusception: an unusual manifestation of rare pathology. BMJ Case Rep. 2021 Jul 14;14(7):e244034.
14. Syal R, Kumar R, Varshney VK, Garg P. Post-oesophagectomy chylothorax: An unusual cause of postoperative stridor. Indian J Anaesth. 2021 Apr;65(4):345-347.
15. Saluja SS, Varshney VK, Bhat VS, Nekarakanti PK, Arora A, Sachdeva S, Mishra PK. Management of Obscurely Dilated Common Bile Duct with Normal Liver Function Tests: A Pragmatic Approach. World J Surg. 2021 Jun 6.
16. Sureka B, Jha S, Yadav A, Varshney V, Soni S, Vishnoi JR, Yadav T, Garg PK, Khera PS, Misra S. MDCT evaluation of pancreatic contour variations in head, neck, body and tail: surgical and radiological significance. Surg Radiol Anat. 2021 Mar 18.
17. Swami A, Varshney VK. Outcomes of Margin Status on Survival in Pancreatic Ductal Adenocarcinoma Receiving Neoadjuvant Therapy. J Am Coll Surg. 2021 Jun;232(6):1022-1023.

18. Soni S, Varshney V, Swami A, Kelu Sreedharan S, Yadav T, Garg P. Minimally Invasive Esophagectomy: Feasibility in Esophageal Carcinoma With Inferior Vena Cava Anomaly. Ann Thorac Surg. 2021 Nov;112(5):e357-e359.
19. Chawla S, Sureka B, Varshney VK, Nayar R, Sreesanth KS. A Rare Complication of Feeding Jejunostomy: Murky Waters of the Surgeons. Cureus. 2021 Jan 27;13(1):e12945.
20. Swami A, Yadav T, Varshney VK, Sreesanth KS, Dixit SG. Hepatic Arterial Variations and Its Implication During Pancreatic Cancer Surgeries. J Gastrointest Cancer. 2021 Jun;52(2):462-470.

Non-Punmed Indexed:

1. Soni S, Sreesanth KS, Varshney V, Swami A. Gall bladder tuberculosis: Review of literature. Indian Journal of Tuberculosis. 2021 Aug.

Workshops/ Conferences Organized

1. A Cadaveric Multi-organ Retrieval Workshop was conducted on 26th March 2022 in collaboration with the Department of Urology, Cardiothoracic & Vascular Surgery, and Anatomy.

Name of Faculty: Dr. Vaibhav Kumar Varshney
Designation: Associate Professor

Papers Presented:

1. Total Robotic Pancreatoduodenectomy – Our approach; IAGES Virtual conference on 7th -9th May 2021, Coimbatore
2. Minimally invasive esophagectomy for esophageal cancer with utilization of Indocyanine green fluorescence; IAGES Virtual conference on 7th -9th May 2021
3. Robotic CDC Excision with Hepaticojejunostomy with the application of Indocyanine green fluorescence (Video Presentation); ISLS 4th International Advanced Liver & Pancreas Surgery Symposium (ISLS 2021); 25-27th November 2021, Busan
4. Total Robotic Pancreato-duodenectomy: Our approach (e-poster); 4th ISLS 25-27th November 2021, Busan
5. Bile bacterial flora and its clinical inferences with sensitivity pattern from a tertiary care center; 50th Srilanka Surgical Congress; 24-27th November 2021, Srilanka
6. Total Robotic Pylorus Resecting Pancreatoduodenectomy; 16th annual international conference of the Association of Minimal Access Surgeons of India (AMASI) from 26 -28th November 2021, Delhi
7. Total Robotic Pancreato-duodenectomy: Our initial experience; 18th Annual Conference of Indian Chapter of IHPBA 2021 (Virtual) from 11th to 13th Feb. 2022
8. Total Robotic Ivor-Lewis Esophagectomy for Corrosive Esophageal Stricture; 53rd Asia Pacific Advanced Network (APAN) conference, 07-11 March 2022, Bangladesh
9. Inflammatory Bowel Diseases – Overview; IAPEN India Clinical Nutrition Congress (ICNC)-2022 March, organized by AIIMS, New Delhi
10. Ashish Swami, Vaibhav K Varshney. Total Robotic Choledochal Cyst Excision with Roux-en-Y Hepaticojejunostomy at 29th Annual conference of IASGCON 2021

11. Raghav Nayar, Vaibhav K Varshney, Subhash Soni, Selvakumar B, Peeyush Varshney. Intra-nodal Indocyanine green dye to delineate thoracic duct during minimally invasive esophagectomy: Our initial experience at the 29th Annual Conference of IASGCON 2021
12. Vignesh N, Vaibhav K Varshney, Subhash Soni, Selvakumar B. Resurgence of Gastrointestinal Mucormycosis during COVID-19 Pandemic: Joining the dots at the 29th Annual Conference of IASGCON 2021
13. Shabana Jabbar, Vaibhav K Varshney. Robotic Low Anterior Resection with the usage of Indocyanine Green Fluorescence at the 29th Annual Conference of IASGCON 2021
14. Vignesh N, Vaibhav K Varshney, Selvakumar B. Mirizzi Syndrome with Bouveret Syndrome- Double Trouble at 18th Annual Conference of Indian Chapter of IHPBA 2021
15. Ashish Swami, Vaibhav K Varshney. Total Robotic Choledochal Cyst Excision with Roux-en-Y Hepaticojejunostomy- Our initial experience at the 18th Annual Conference of the Indian Chapter of IHPBA 2021
16. Raghav Nayar, Vaibhav K Varshney. Total Robotic Lateral Pancreatico-jejunostomy- Our Initial Experience at 18th Annual Conference of Indian Chapter of IHPBA 2021
17. Ashish Swami, Vaibhav K Varshney. KRAS and HER2-neu Mutation Analysis in the Periampullary Carcinoma- A Prospective Observational study at 18th Annual Conference of Indian Chapter of IHPBA 2021

Sessions Chaired:

1. Chairperson at the 16th annual international conference of the Association of Minimal Access Surgeons of India (AMASI) held in Delhi from 26th - 28th November 2021
2. Chairperson at 1st Jaipur Surgical Festival (CME) organized by Mahatma Gandhi Medical College & Hospital, Jaipur, from 04th – 05th December 2021.

Invited Lectures

1. Inflammatory Bowel Diseases – Overview; IAPEN India Clinical Nutrition Congress (ICNC)-2022 March, organized by AIIMS, New Delhi

Research Project:

Ongoing:

As Principal Investigator

1. Intra-nodal Indocyanine green dye to delineate thoracic duct during minimally invasive esophagectomy (Non-funded)
2. Pancreatoduodenectomy with or without feeding jejunostomy: A Randomized controlled trial (Non-funded)
3. MicroRNA profiling in plasma and its correlation with tumour tissue and clinic-pathological parameters in Periampullary carcinoma (Intramural)
4. Database creation for computational predictive analysis of treatment response assessment in Esophageal cancer patients in India (Extra Mural)
5. Assessment of Splenic stiffness with Transient Elastography (Fibroscan) in Cirrhotic and Non-cirrhotic Portal Hypertension and its clinical implications (Non-funded)
6. Neoadjuvant Chemotherapy Vs. Chemoradiotherapy for Malignancy of Oesophagus: A Prospective comparative study (Intramural)

As Co-Investigator

1. Mutational analysis of periampullary cancer and its correlation with clinico-pathological parameters (Intramural)
2. Pilot study to correlate pancreatic remnant volume following pancreatoduodenectomy with pancreatic exocrine and endocrine insufficiency (Intramural)
3. Evaluation of outcomes of enhanced recovery after surgery (ERAS) protocol in patients undergoing pancreatoduodenectomy – A prospective observational study
4. Pilot study to evaluate liver and splenic stiffness by fibroscan in patients with non-cirrhotic portal hypertension and its correlation with clinical and intervention outcomes
5. Can CT and MRI determine the origin of Periampullary Carcinoma?: Retrospective study to determine the key findings
6. Preoperative respiratory care and outcomes for patients undergoing high-risk abdominal surgery (PENGUIN trial) (International)
7. Cluster randomized trial of sterile glove and instruments change at the time of wound closure to reduce surgical site infection (ChEETAh) (International)
8. CovidSurg-3: Outcomes of surgery in COVID-19 infection (International)
9. International Snapshot Study on the Outcomes of Pancreatic Surgery (Pancreasgroup.org) (International)
10. Multicentric Indian Pancreatic & Periampullary Adenocarcinoma Project (MIPPAP)

Completed:

As Principal Investigator

1. Robotic Pancreatoduodenectomy with Pancreatico-jejunostomy using modified Blumgart technique (Non-funded)
2. Total robotic choledochal cyst excision with Roux-en-Y hepaticojejunostomy in adults (Non-funded)

Scientific Awards:

1. Best Researcher Award 2021 by Indian Association of Gastrointestinal Endo Surgeons (IAGES) – Cash prize of Rs. 1,00,000
3. Received a travel grant (Rs 10,000) by the Association of Minimal Access Surgeons of India (AMASI) for presenting in the Best Video Session at AMASICON in Delhi – in November 2021
4. Received a travel grant (USD 500) from the International Advanced Liver & Pancreas Surgery Symposium (ISLS 2021) in Busan, Korea, November 2021

Fellowship awarded by the Society or Association

1. Fellowship of Indian Association of Gastrointestinal Endo Surgeons (FIAGES)
2. Fellow of Advanced Laparoscopic Surgeons (FALS- Colorectal)

National/ International Conferences attended:

1. IAGES 2021 Virtual conference in Coimbatore 7^{th} -9^{th} May 2021
2. Robotic Pancreatic Surgery CME organized by CRSA on 26^{th} May 2021
3. The 33rd Meeting of the Japanese Society of Hepato-Biliary-Pancreatic Surgery June 2021
4. 3rd World Congress Virtual Meeting 2021 organized by the International Laparoscopic Liver Society on June 12 – 13, 2021

5. Fellowship course on Advanced Laparoscopic Upper GI Surgeries, 10-12th September 2021, organized by IAGES
6. 29th Annual conference of Indian Association of Surgical Gastroenterology (IASGCON 2021 Virtual) – 9-10th October 2021
7. 16th annual international conference of the Association of Minimal Access Surgeons of India (AMASI) held in Delhi from 26th to 28th November 2021
8. 4th International Advanced Liver & Pancreas Surgery Symposium (ISLS 2021)
9. 50th Sri Lanka Surgical Congress 2021 organized by The College of Surgeons of Sri Lanka 24th – 27th November 2021, Colombo
10. 1st Jaipur Surgical Festival (CME) organized by Mahatma Gandhi Medical College & Hospital, Jaipur, from 04th – 05th December 2021.
11. 18th Annual Conference of Indian Chapter of IHPBA 2021 (Virtual) hosted by PGIMER, Chandigarh from 11th to 13th Feb 2022.

Name of Faculty: Dr. Subhash Chandra Soni
Designation: Associate Professor

Research Project:

Ongoing:

As Principal Investigator

1. To evaluate the clinicopathological response of neoadjuvant chemoradiotherapy/chemotherapy in cases of carcinoma esophagus and GE junction undergoing minimally invasive esophagectomy by PET CT scan and its impact on clinical outcome**.**
2. Pilot study to correlate pancreatic remnant volume following pancreatico-duodenectomy with pancreatic exocrine and endocrine insufficiency.
3. Pilot study to evaluate liver and splenic stiffness in patients with Extrahepatic Portal Vein Obstruction and its correlation with clinical and intervention outcomes.
4. Indocyanine green versus preoperative oral lipids in preventing thoracic duct injuries in minimally invasive esophagectomy for carcinoma esophagus-A prospective comparative pilot study
5. Evaluation of outcomes of enhanced recovery after surgery (ERAS) protocol in patients undergoing pancreatico-duodenectomy

Co-Investigator:

1. Pancreaticoduodenectomy with or without feeding jejunostomy: A RCT
2. International snapshot study on the outcomes of pancreatic surgery- Pancreasgroup.org
3. Micro RNA profiling in plasma and its correlation with tumour tissue and clinical pathological parameters in periampullary carcinoma.
4. Database creation for computational predictive analysis of treatment response assessment in esophageal cancer patients in India.
5. Assessment of splenic stiffness with transient elastography (fibroscan) in cirrhotic and non-cirrhotic portal hypertension and its clinical implications.
6. Preoperative respiratory care and outcomes for patients undergoing high-risk abdominal surgery (PENGUIN)

7. Cluster randomized trial of sterile glove and instrument change at the time of wound closure to reduce surgical site infection (ChEETAh)
8. CovidSurg-3: Outcomes of surgery in COVID-19 infection

Papers presented:

1. Duodenal Tuberculosis: A rare differential for carcinoma duodenum. Indian Association of Surgical Gastroenterology Annual Conference (IASGCON) 2021. 9-10th Oct 2021
2. Intraductal Papillary Neoplasm with Invasive Adenocarcinoma of distal bile duct- Rare Entity in A Rarer Location. 18th Annual National Conference of Indian Chapter of IHPBA. PGI Chandigarh. 11-13th Feb 2022
3. Robotic Low Anterior Resection with ICG-NIRS in a case of carcinoma rectum. Indian Association of Surgical Gastroenterology Annual Conference (IASGCON) 2021.
4. Rare presentation of intestinal malrotation in adults with acute cecal volvulus: A case series. Indian Association of Surgical Gastroenterology Annual Conference (IASGCON) 2021.
5. Indocyanine Green Dye to delineate thoracic duct in minimally invasive esophagectomy: our technique. Indian Association of Surgical Gastroenterology Annual Conference (IASGCON) 2021.
6. Resurgence of intestinal mucormycosis during covid 19 pandemic: joining the dots. IASGCON 2021
7. Total Robotic Choledochal Cyst Excision with Roux-en-Y Hepaticojejunostomy- surgical video. IASGCON-2021.
8. Robotic Lateral Pancreaticojejunostony-our initial experience. IHPBA 2022
9. KRAS and HER2 Mutations Analysis in the Periampullary Carcinoma- A Prospective Observational Study. IHPBA-2022

Membership:

1. International Hepato-Pancreato Biliary Association (IHPBA) 2021-22

Conference/Workshop attended:

1. 16th annual international conference of the association of minimal access surgeons of India (AMASICON) 26 - 28 November 2021
2. 18th Annual National Conference of Indian Chapter of IHPBA. Department of Surgical Gastroenterology, PGI Chandigarh. 11-13th Feb 2022.
3. Indian Association of Surgical Gastroenterology Annual Conference (IASGCON) 2021. Department of Surgical Gastroenterology, AIIMS Bhubaneshwar, 9-10th Oct. 2021.
4. 77th AMASI skill course and FMAS examination (fellowship in minimal access surgery). June 03-05, 2021

Name of Faculty: Dr. Selvakumar. B
Designation: Assistant Professor

Resource Faculty:

1. Cadaveric Multi-organ retrieval workshop, 26th March 2022, AIIMS, Jodhpur

Ongoing Research Project:

As Co-Investigator

1. Analysis of Perioperative factors in Predicting the Occurrence of Clinically Relevant Postoperative Pancreatic Fistula after Pancreaticoduodenectomy
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. HER2/neu overexpression in esophageal squamous cell carcinoma and its clinicopathological correlation: a prospective cross-sectional study
4. Twenty-four-hour pH monitoring of gastric conduit in post-esophagectomy patients and correlation with clinic-pathologic parameters: A prospective observational study

Completed:

As Co-Investigator:

1. International Snapshot study on the outcomes of pancreatic surgery – PancreasGroup.org

Membership/Post in Journal or Society or Association:

1. Life Member – Association of Surgeons of India (Membership number – FL 37726)

National/ International Conferences attended:

1. International Society of Liver Surgeons (ISLS) - 4th Webinar, Seoul, South Korea, 16-4-21
2. 3rd NCI - Liver Center Webinar, Bangkok, Thailand, May 2021
3. Role of PET/CT, EUS and staging laparoscopy in esophageal, GE junction and stomach malignancy, Hyderabad, India, June 2021
4. Indian Association of Surgical Gastroenterologists - National Conference (IASGCON) – 2021, Bhubaneshwar, Orissa, October 2021
5. Association of Minimal Access Surgeons of India - National Conference(AMASICON) 2021, New Delhi, November 2021
6. Jaipur Surgical Festival (JSF) – 1st Edition, 2021, Jaipur, December 2021
7. International Hepato-Pancreato-Biliary Association(IHPBA) - Indian chapter National conference 2022, Chandigarh, February 2022

Name of Faculty: Peeyush Varshney
Designation: Assistant Professor

Papers Presented:

1. Varshney P, Kapoor VK. Incidental Gallbladder Cancer survey: Do we know enough? IASGCON 2021, 9-10th Oct 2021, AIIMS Bhubaneshwar

Sessions Chaired:

1. Gall Bladder cancer, IHPBA-IC, 11-13th Feb 2022, PGIMER Chandigarh

Resource Faculty:

1. Ist Jaipur Surgical Festival, MGMCH, Jaipur. 4-5th December 2021

Research Project:

Ongoing:

As Co-Investigator

1. Twenty-four-hour pH monitoring of gastric conduit in post esophagectomy patients and correlation with clinico-endoscopic parameters- a prospective observational study
2. HER-2/neu overexpression in esophageal squamous cell carcinoma and its correlation with clinic-pathological characteristics- a prospective observational study
3. Correlation of PET-CT findings with final histopathology in Carcinoma Esophagus patients undergoing esophagectomy

National/ International Conferences attended:

1. 7th CLBS conference- The Kidney in Liver Transplant – CLBS, Max Hospital Saket, New Delhi, 16-18 Sept 2021
2. IASGCON, AIIMS Bhubaneshwar, 9-10th October 2021
3. 1st Jaipur Surgical Festival, MGMCH, Jaipur 4-5th December 2021
4. IHPBA-IC, PGIMER Chandigarh, 11-13 Feb 2022

Department of Surgical Oncology

S. No.	Name	Designation
1.	Dr. Sanjeev Misra	Professor of Surgical Oncology, Director & CEO AIIMS, Jodhpur,
2.	Dr. Ashok Kumar Puranik	Prof and Head
3.	Dr. Jeewan Ram Vishnoi	Associate Professor
4.	Dr. Dharma Ram Poonia	Assistant Professor
5.	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 1st April 2021 to 31st March 2022, 8883 patients visited our OPD for various surgical problems. We have a separate teaching room for undergraduate teaching in the same block. The major operation theatres are located in Modular OT Complex on the 4th floor. The minor operation theatres are located in Trauma and Emergency OT complex. A total of 641 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 is presently working six days a week (Monday to Saturday, in the A block, 5th floor of the OPD complex (Room no. 510-12). We do minor procedures or surgical procedures, including core cut, punch, incisional biopsies and dressing, etc., in Room No. 501. Our department policy is to first 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 Wednesday.

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.

Surgery	1st April 2021 to 31st March 2022
Major Operations	603
Robotic Surgeries	38
Minor operations / procedures	2705
Total	3346

Compiled list of Publications of the department:

Papers

Pubmed Indexed:

1. COVIDSurg Collaborative. The impact of surgical delay on resectability of colorectal cancer: An international prospective cohort study. Colorectal Dis. 2022 Mar 14. doi: 10.1111/codi.16117. Epub ahead of print. PMID: 35286766.
2. Modi A, Purohit P, Roy D, Vishnoi JR, Pareek P, Elhence P, Singh P, Sharma S, Sharma P, Misra S. FOXM1 mediates GDF-15 dependent stemness and intrinsic drug resistance in breast cancer. Mol Biol Rep. 2022 Apr;49(4):2877-2888. doi: 10.1007/s11033-021-07102-5. Epub 2022 Jan 23. PMID: 35066766.
3. COVIDSurg Collaborative. Global wealth disparities drive adherence to COVID-safe pathways in head and neck cancer surgery. BJS Open. 2021 Nov 9;5(6):zrab112. doi: 10.1093/bjsopen/zrab112. PMID: 34958353; PMCID: PMC8711291.
4. Modi A, Purohit P, Gadwal A, Roy D, Fernandes S, Vishnoi JR, Pareek P, Elhence P, Misra S, Sharma P. A Combined Analysis of Serum Growth Differentiation Factor-15 and Cancer Antigen 15-3 Enhances the Diagnostic Efficiency in Breast Cancer. EJIFCC. 2021 Oct 18;32(3):363-376. PMID: 34819825; PMCID: PMC8592631.
5. Gadwal A, Modi A, Khokhar M, Vishnoi JR, Choudhary R, Elhence P, Banerjee M, Purohit P. Critical appraisal of epigenetic regulation of galectins in cancer. Int J Clin Oncol. 2022 Jan;27(1):35-44. doi: 10.1007/s10147-021-02048-x. Epub 2021 Oct 15. PMID: 34652614.
6. COVIDSurg Collaborative. Effect of COVID-19 pandemic lockdowns on planned cancer surgery for 15 tumour types in 61 countries: an international, prospective, cohort study. Lancet Oncol. 2021 Nov;22(11):1507-1517. doi: 10.1016/S1470-2045(21)00493-9. Epub 2021 Oct 5. PMID: 34624250; PMCID: PMC8492020.
7. Khade S, Khera S, Elhence P, Vishnoi JR. Metaplastic breast carcinoma with extensive osseous differentiation. Autops Case Rep. 2021 Sep 27;11:e2021331. doi: 10.4322/acr.2021.331. PMID: 34604125; PMCID: PMC8478361.
8. Sarangi S, Rao M, Elhence PA, Nalwa A, Bharti JN, Khera S, Vedant D, Vishwajeet V, Vishnoi JR, Sharma N, Pareek P. Risk Stratification of Breast Fine-Needle Aspiration Biopsy Specimens Performed without Radiologic Guidance by Application of the International Academy of Cytology Yokohama System for Reporting Breast Fine-Needle Aspiration Cytopathology. Acta Cytol. 2021;65(6):483-493. doi: 10.1159/000518790. Epub 2021 Sep 14. PMID: 34535580.
9. COVIDSurg Collaborative; GlobalSurg Collaborative. SARS-CoV-2 infection and venous thromboembolism after surgery: an international prospective cohort study. Anaesthesia. 2022 Jan;77(1):28-39. doi: 10.1111/anae.15563. Epub 2021 Aug 24. PMID: 34428858; PMCID: PMC8652887.
10. Gupta D, Thirunavukkarasu B, Bharti JN, Chugh A, Vishnoi JR. Post fine- needle aspiration near total infarction of Warthin tumor with squamous metaplasia: A diagnostic pitfall. Diagn Cytopathol. 2021 Oct;49(10):1144-1147. doi: 10.1002/dc.24860. Epub 2021 Aug 24. PMID: 34427394.
11. Saraf P, Bharti JN, Vishnoi JR. Intrahepatic Bile Duct Adenoma Masquerading as Metastatic Carcinoma in a Case of Gastric Carcinoma: a Diagnostic Dilemma. J Gastrointest Cancer. 2021 Aug 14. doi: 10.1007/s12029-021-00681-3. Epub ahead of print. PMID: 34390459.

12. COVIDSurg Collaborative; GlobalSurg Collaborative. Effects of pre-operative isolation on postoperative pulmonary complications after elective surgery: an international prospective cohort study. Anaesthesia. 2021 Nov;76(11):1454-1464. doi: 10.1111/anae.15560. Epub 2021 Aug 9. PMID: 34371522.
13. Sharma R, Thirunavukkarasu B, Elhence P, Vishnoi JR. Invasive solid papillary carcinoma with invasive lobular and invasive breast carcinoma, no special type: a rare association. BMJ Case Rep. 2021 May 20;14(5):e243628. doi: 10.1136/bcr-2021-243628. PMID: 34016637; PMCID: PMC8141451.
14. Sarangi S, Rao M, Vishnoi JR, Kumar Garg P. Primary clear cell carcinoma of gallbladder arising in porcelain gallbladder. BMJ Case Rep. 2021 Apr 1;14(4):e240319. doi: 10.1136/bcr-2020-240319. PMID: 33795272; PMCID: PMC8021755.
15. Thaduri A, Chadha L, Poonia D, Rajkumar K, Garg P. Oral cancer screening – A delphic horizon in India. Oral Oncology. 2021;116:105174.
16. Kaul P, Poonia D, Kottayasamy Seenivasagam R, Maharaj D, Jat B, Garg P et al. Technical Considerations and Outcome Analysis of Using Extended Bipaddle Pectoralis Major Myocutaneous Flaps for Reconstructions of Large and Complex Oral Cavity Defects: Expanding the Horizons. Indian Journal of Surgical Oncology. 2021;.
17. Poonia D, Singh D, Sunil H, Gandhi D, Rawal D. Management of Leiomyosarcoma of the Prostate: Unraveling a Hoax. Current Problems in Cancer: Case Reports. 2021; 3:100068.
18. Poonia D, Bhati G, ram Choudhary T, Sehrawat A, Garg PK, Rajkumar K, Mishra N, Sundriyal D. A retrospective study about the oncological outcome of pelvic exenteration in recurrent/residual cervical cancer. European Journal of Surgical Oncology. 2021 1;47(2):e28-9.
19. Majumdar KS, Kottayasamy Seenivasagam R, Maharaj DD, Mandol A, Singh A, Agarwal S, Poonia DR, Thaduri A, Panuganti A, Kailey VS. Clinicopathological Difference Between Gingivobuccal and Oral Tongue Cancers: A Cross-Sectional Observational Study from a Tertiary Healthcare Centre in Northern India. Indian Journal of Otolaryngology and Head & Neck Surgery. 2022 Jan 6:1-6.
20. Kaul P, Kaul P, Poonia DR, Jakhetiya A, Arora V, Garg PK. Risk Benefit Analysis of Routine Thymectomy for Differentiated Thyroid Cancers: A Systematic Review. The Surgery Journal. 2021 Oct;7(04):e307-13.

Non-Pubmed Indexed:

1. Bhakuni YS, Sharma KC, Rajappa SK, Ram D, Dewan AK, Chand R, Maheshwari U, Jajodia A, Koyyala VP. Total orbital exenteration-Experience from a tertiary cancer care center in Northern India. Oncology Journal of India. 2021 May 1;5(2):67.

Workshops/ Conferences Organized

1. Trainer of Trainer (ToT) screening of common cancer for the medical officers. Program by National Program for prevention and control of cancer, Govt of Rajasthan & AIIMS Jodhpur: AIIMS Jodhpur, Five days training program in various batches from Feb 2022.

Name of Faculty: Dr. Jeewan Ram Vishnoi
Designation: Associate Professor

Books/Chapters:

Papers Presented:

1. Vishnoi JR, Yadav R, Byshetty R, Sharma N, Misra S. An initial experience of Robot-Assisted Minimally Invasive Esophagectomy (RAMIE) from a tertiary care center in Western Rajasthan. Annual Conference of the Japanese Society of Medical Oncology (JSMO); 17th-19th Feb 2022, Hybrid event, Kyoto, Japan. Awarded Travel Grant of 50,000 Japanese Yen.
2. Vishnoi JR, Koslia A, Sharma N, Misra S. Radical Nephrectomy with IVC thrombectomy: tips and technique. 34th Annual National Conference of the Indian Association of Surgical Oncology (NATCON-IASO); 23rd-31st Oct 2021, Virtual, New Delhi.
3. Vishnoi JR, Byshetty R, Yadav R, Misra S. A Surgical Video of Robotic McKeon Esophagectomy. 16th International Congress of the Association of Minimal Access Surgeons of India; 26th-28th Nov 2021, Virtual, New Delhi.
4. Yadav R, Vishnoi JR, Misra S. Robotic Total Hysterectomy, B/L Salpingo-oophorectomy And Pelvic Lymphadenectomy for Endometrial Carcinoma. 34th Annual National Conference of the Indian Association of Surgical Oncology (NATCON-IASO); 23rd-31st Oct 2021, Virtual, New Delhi. This video was chosen as a finalist under Best Video Category and won a Bursary Award of Rs. 10,000.
5. Byshetty R, Vishnoi JR. Robotic Right Hemicolectomy with Intracorporeal Anastomosis. 34th Annual National Conference of the Indian Association of Surgical Oncology (NATCON-IASO); 23rd-31st Oct 2021, Virtual, New Delhi.
6. Byshetty R, Vishnoi JR. Robotic Radical Hysterectomy with B/L Pelvic Lymph Node Dissection. 34th Annual National Conference of the Indian Association of Surgical Oncology (NATCON-IASO); 23rd-31st Oct 2021, Virtual, New Delhi.
7. Yadav R, Vishnoi JR, Sharma N, Poonia DR, Misra S. Central Arch Mandibular Resection And Reconstruction: Analysis Of Outcomes. 34th Annual National Conference of the Indian Association of Surgical Oncology (NATCON-IASO); 23rd-31st Oct 2021, Virtual, New Delhi.
8. Yadav R, Vishnoi JR, Sharma N, Poonia DR, Misra S. Comparison between various flaps in Central Arch Mandibular Reconstruction. 21st Annual Conference of the Foundation for Head & Neck Oncology (virtual); 10th-12th Dec 2021, Thiruvananthapuram, Kerala.
9. Yadav R, Vishnoi JR, Sharma N, Poonia DR, Misra S. Our Initial Experience of Thoraco-Abdominal Flap as a saviour in the reconstruction of advanced breast cancer. Indian Association of Surgical Oncology (MIDCON IASO) 25th-27th Mar 2022, Shillong, Meghalaya.
10. Byshetty R, Vishnoi JR, Sharma N, Poonia DR, Misra S. Clinico-epidemiological data of breast cancer patients in the northwestern part of India: A Descriptive study. Japanese Society of Medical Oncology (JSMO); 17th-19th Nov 2022, (hybrid conference) Kyoto, Japan Awarded a Travel Grant of 50,000 Japanese Yen.
11. Byshetty R, Vishnoi JR, Misra S. Sentinel Lymph Node Biopsy using a combination of Fluorescein and blue dye versus blue dye alone in breast cancer patients post neoadjuvant chemotherapy. Indian Association of Surgical Oncology (MIDCON IASO) 25th-27th Mar 2022, Shillong, Meghalaya. Received the Best Oral Paper Award and Bursary Award of Rs. 10,000.
12. Mathad AS, Poonia DR, Sharma N, Vishnoi. Primary pulmonary leiomyosarcoma masquerading as metachronous pulmonary metastases in a patient with skeletal osteosarcoma: a case report. Indian Association of Surgical Oncology (MIDCON IASO) 25th-27th Mar 2022, Shillong, Meghalaya.

13. Mathad AS, Poonia DR, Sharma N, Vishnoi. Solitary Fibrous Tumour of retroperitoneum: case report. Indian Association of Surgical Oncology (MIDCON IASO) 25th-27th Mar 2022, Shillong, Meghalaya.
14. Sharma N, Vishnoi JR, Poonia DR, Byshetty R, Yadav R, Misra S. Clinicopathological features in Young Breast Cancers: Experience at a Tertiary Care Centre in western Rajasthan. Indian Association of Surgical Oncology (MIDCON IASO) 25th-27th Mar 2022, Shillong, Meghalaya.

Invited Lectures:

1. Role of Molecular and Genetic Factors in the Management of Thyroid Cancer. 34th Annual National Conference of Indian Association of Surgical Oncology (NATCON-IASO); 23rd-31st Oct 2021, Virtual, New Delhi.
2. Vishnoi JR. Surgical Technique of Radical Cholecystectomy: tips and tricks. Indian Association of Surgical Oncology (MIDCON IASO) 25th-27th Mar 2022, Shillong, Meghalaya.

Resource Faculty:

1. Training of Trainers for Medical Officers of Govt of Rajasthan Health Services under the National Program for Prevention and Control of Cancer, Diabetes, Cardiovascular Disease and Stroke: to make awareness and early detection of common cancer (Oral, Breast & Cervical).
2. Why are we not winning the war on Cancer? Webinar by JSPH, 25th Feb 2022, Virtual.
3. As an External expert for the Finalization of the medical equipment specifications of Surgical Oncology for National Cancer Institute (NCI), All India Institute of Medical Sciences, Jhajjar.
4. Thesis evaluation for MCh Surgical Oncology, All India Institute of Medical Sciences, New Delhi

Research Project:

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.

As Co- Investigator:

1. ChEETAh Trial: Cluster randomised trial of sterile glove and instrument change at the time of wound closure to reduce surgical site infection (ChEETAh Trial).
2. The University of Birmingham, UK Cristian Medical College, Ludhiana
3. PENgUIN Trial: Perioperative respiratory care and outcomes for patients undergoing high risk abdominal surgery (PENgUIN Trial).
4. The University of Birmingham, UK Cristian Medical College, Ludhiana
5. EAGLE Trial: An International, cluster randomised sequence of a 'safe-anastomosis' Quality Improvement Intervention to reduce anastomotic leak following right colectomy and ileocecal resection (EAGLE safe anastomosis study) by European Society of Coloproctology.
6. The University of Birmingham, UK Cristian Medical College, Ludhiana
7. DIAMOnDS Project: Establishment of DHR-ICMR Advanced Molecular Oncology Diagnostic Services (DIAMOnDS)
8. 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.

9. 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
10. Protein expression analysis using Immunohistochemistry in the borderline resectable oral squamous cell carcinoma treated with induction chemotherapy: Exploratory longitudinal study
11. Neoadjuvant chemotherapy followed by Surgery versus Surgery followed by adjuvant chemotherapy for resectable Gastric adenocarcinoma-Phase 3 Multicentric Randomized Controlled trial, DHR Grant-In-Aid GIA Scheme, JIPMER
12. 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.
13. Ganga Godavari-Marudhara Screening Program for Woman- Funded by AstraZeneca India aims to spread awareness, and facilitate early detection of Oral, Breast and Cervical Cancers at early stages among women, AstraZeneca

Completed:

As Co-Lead & Co-Principal Investigator

1. Covid Surg Study-3: Outcomes of surgery in COVID-19 infection: international cohort study (CovidSurg). The University of Birmingham, UK Cristian Medical College, Ludhiana
2. International Snapshot Study on the Outcomes of Pancreatic Surgery. (Pancreasgroup.org) Non-funded

Scientific Awards/Patents

1. Travel Grant of 50,000 Japanese Yen. Presented for Paper Presentation. Annual Conference of the Japanese Society of Medical Oncology (JSMO) Kyoto, Japan (Hybrid event) from 17th-19th Feb 2022.
2. FALS (Oncology), Fellow of the Advanced Laparoscopic Surgery in Oncology. Indian Association of Gastrointestinal Endosurgeons (IAGES), Annual Conference of IAGES 2021 (Virtual), 8th May 2021.

Examinership

1. Fellowship in Surgical Oncology. Geetanjali Medical College & Hospital (Geetanjali University), Udaipur, 29th Oct 2021.
2. Fellowship in Head & Surgical Neck Oncology. Geetanjali Medical College & Hospital (Geetanjali University), Udaipur, 29th Oct 2021.

Membership/Post in Journal or Society or Association

1. International Member, Society of Surgical Oncology (USA), 2021
2. International Member, European Society of Medical Oncology (ESMO), 2021
3. Member, Editorial Board, Cancer Treatment and Research Communications (an Elsevier's Oncology Journal).

National/ International Conferences attended:

1. Annual Conference of the Japanese Society of Medical Oncology (JSMO). Hybrid event, Kyoto, Japan, 17th-19th Feb 2022,

2. 34th Annual National Conference of the Indian Association of Surgical Oncology (NATCON-IASO). Virtual, New Delhi, 23rd-31st Oct 2021
3. 16th International Congress of the Association of Minimal Access Surgeons of India. Virtual, New Delhi, 26th-28th Nov 2021
4. Indian Association of Surgical Oncology (MIDCON IASO), Shillong, Meghalaya, 25th-27th Mar 2022

Name of Faculty: Dr Dharma Ram Poonia
Designation: Associate Professor

Papers Presented:

1. Poonia DR. Surgical Video Presentation- VATS Left Upper Lobectomy. 34th Annual National Conference of the Indian Association of Surgical Oncology (NATCON-IASO); 23rd-31st Oct 2021, Virtual, New Delhi.
2. Poonia DR. Surgical Video Presentation- Lap. Right Radical Nephrectomy. 34th Annual National Conference of the Indian Association of Surgical Oncology (NATCON-IASO); 23rd-31st Oct 2021, Virtual, New Delhi.
3. Poonia DR. Surgical Video Presentation- Prone Position Thoracoscopic Thoracic Duct Ligation: 34th Annual National Conference of the Indian Association of Surgical Oncology (NATCON-IASO); 23rd-31st Oct 2021, Virtual, New Delhi.
4. Poonia DR. Poster Presentation- A Longitudinal Cohort Study on Assessing the Impact of COVID-19 Pandemic on Mental Health of Cancer Care Providers: Developing World Scenario: 34th Annual National Conference of the Indian Association of Surgical Oncology (NATCON-IASO); 23rd-31st Oct 2021, Virtual, New Delhi.
5. Poonia DR. Poster presentation: A Retrospective Study about the Oncological Outcome of Pelvic Exenteration in Recurrent/Residual Cervical Cancer. 34th Annual National Conference of the Indian Association of Surgical Oncology (NATCON-IASO); 23rd-31st Oct 2021, Virtual, New Delhi.
6. Poonia DR. Surgical Video presentation- BCS with Matrix Rotation Flap. Indian Association of Surgical Oncology (MIDCON IASO) 25th-27th Mar 2022, Shillong, Meghalaya.
7. Yadav R, Vishnoi JR, Sharma N, Poonia DR, Misra S. Central Arch Mandibular Resection And Reconstruction: Analysis Of Outcomes. 34th Annual National Conference of the Indian Association of Surgical Oncology (NATCON-IASO); 23rd-31st Oct 2021, Virtual, New Delhi.
8. Yadav R, Vishnoi JR, Sharma N, Poonia DR, Misra S. Comparison between various flaps in Central Arch Mandibular Reconstruction. 21st Annual Conference of the Foundation for Head & Neck Oncology (virtual); 10th-12th Dec 2021, Thiruvananthapuram, Kerala.
9. Yadav R, Vishnoi JR, Sharma N, Poonia DR, Misra S. Our Initial Experience of Thoraco-Abdominal Flap as a saviour in the reconstruction of advanced breast cancer. Indian Association of Surgical Oncology (MIDCON IASO) 25th-27th Mar 2022, Shillong, Meghalaya.
10. Byshetty R, Vishnoi JR, Sharma N, Poonia DR, Misra S. Clinico-epidemiological data of breast cancer patients in the northwestern part of India: A Descriptive study. Japanese Society of Medical Oncology (JSMO); 17th-19th Nov 2022, (hybrid conference) Kyoto, Japan Awarded a Travel Grant of 50,000 Japanese Yen.
11. Sharma N, Vishnoi JR, Poonia DR, Byshetty R, Yadav R, Misra S. Clinicopathological features in Young Breast Cancers: Experience at a Tertiary Care Centre in western Rajasthan. Mid Term Annual Conference of Indian Association of Surgical Oncology. (MIDCON IASO 2022), 25-27 March 2022, State Convention Centre, Shillong

12. Mathad AS, Poonia DR, Sharma N, Vishnoi. Primary pulmonary leiomyosarcoma masquerading as metachronous pulmonary metastases in a patient with skeletal osteosarcoma: a case report. Indian Association of Surgical Oncology (MIDCON IASO) 25th-27th Mar 2022, Shillong, Meghalaya.
13. Mathad AS, Poonia DR, Sharma N, Vishnoi. Solitary Fibrous Tumour of retroperitoneum: case report. Indian Association of Surgical Oncology (MIDCON IASO) 25th-27th Mar 2022, Shillong, Meghalaya.

Invited Lectures

1. Poonia DR. Master Surgical Video Presentation- Laparoscopic Radical Nephrectomy. Indian Association of Surgical Oncology (MIDCON IASO) 25th-27th Mar 2022, Shillong, Meghalaya.

Symposium Speaker

Resource Faculty:

1. Training of Trainers for Medical Officers of Govt of Rajasthan Health Services under the National Program for Prevention and Control of Cancer, Diabetes, Cardiovascular Disease and Stroke. Purpose: To make awareness and early detection of common cancer (Oral, Breast & Cervical).

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 curative intent treatment: A Randomized Controlled Trial, Conquer Cancer.
2. Protein expression analysis using Immunohistochemistry in the borderline resectable oral squamous cell carcinoma treated with induction chemotherapy: Exploratory longitudinal study, AIIMS Jodhpur.

As Co-Investigator

1. ChEETAh Trial: Cluster randomised trial of sterile glove and instrument change at the time of wound closure to reduce surgical site infection (ChEETAh Trial).
2. The University of Birmingham, UK Cristian Medical College, Ludhiana
3. PENgUIN Trial: Perioperative respiratory care and outcomes for patients undergoing high risk abdominal surgery (PENgUIN Trial).
4. The University of Birmingham, UK Cristian Medical College, Ludhiana
5. EAGLE Trial: An International, cluster randomised sequence of a 'safe-anastomosis' Quality Improvement Intervention to reduce anastomotic leak following right colectomy and ileocecal resection (EAGLE safe anastomosis study) by European Society of Coloproctology.
6. The University of Birmingham, UK Cristian Medical College, Ludhiana
7. Outcome-based healthcare and patient support in Oncology by AIIMS Jodhpur in collaboration with India- Sweden Centre of Excellence in Oncology.
8. Indo-Sweden Healthcare Innovation Center.
9. Neoadjuvant chemotherapy followed by Surgery versus Surgery followed by adjuvant chemotherapy for resectable Gastric adenocarcinoma-Phase 3 Multicentric Randomized Controlled trial, DHR Grant-In-Aid GIA Scheme, JIPMER
10. 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.

11. Ganga Godavari-Marudhara Screening Program for Woman- Funded by AstraZeneca India aims to spread awareness, and facilitate early detection of Oral, Breast and Cervical Cancers at early stages among women, AstraZeneca.
12. 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.

Completed:

As Co-Investigator

1. Covid Surg Study-3: Outcomes of surgery in COVID-19 infection: international cohort study (CovidSurg). The University of Birmingham, UK Cristian Medical College, Ludhiana
2. International Snapshot Study on the Outcomes of Pancreatic Surgery. (Pancreasgroup.org) Non-funded

Membership/Post in Journal or Society or Association

1. Member, Indian Association of Gastrointestinal – Endo Surgeons

National/ International Conferences attended:

1. IASO NATCON 2021, New Delhi, October 2021
2. IASO Midcon 2022, Shillong, Februrary 2021

Name of Faculty: Dr Nivedita Sharma
Designation: Assistant Professor

Papers Presented

1. Sharma N, Patni S, Modi N. Bowel loop hitch: A novel technique minimizing prophylactic diversion stomas after anterior resection. 34th Annual Conference of the Indian Association of Surgical Oncology (NATCON), October 23-24 & 30-31, 2021, Delhi [Virtual]
2. Sharma N, Vishnoi JR, Poonia DR, Byshetty R, Yadav R, Misra S. Clinicopathological features in Young Breast Cancers: Experience at a Tertiary Care Centre in western Rajasthan. Mid Term Annual Conference of Indian Association of Surgical Oncology. (MIDCON IASO 2022), 25-27 March 2022, State Convention Centre, Shillong
3. Yadav R, Vishnoi JR, Sharma N, Poonia DR, Misra S. Central Arch Mandibular Resection And Reconstruction: Analysis Of Outcomes. 34th Annual National Conference of the Indian Association of Surgical Oncology (NATCON-IASO); 23rd-31st Oct 2021, Virtual, New Delhi.
4. Yadav R, Vishnoi JR, Sharma N, Poonia DR, Misra S. Comparison between various flaps in Central Arch Mandibular Reconstruction. 21st Annual Conference of the Foundation for Head & Neck Oncology (virtual); 10th-12th Dec 2021, Thiruvananthapuram, Kerala.
5. Yadav R, Vishnoi JR, Sharma N, Poonia DR, Misra S. Our Initial Experience of Thoraco-Abdominal Flap as a saviour in the reconstruction of advanced breast cancer. Indian Association of Surgical Oncology (MIDCON IASO) 25th-27th Mar 2022, Shillong, Meghalaya.

6. Byshetty R, Vishnoi JR, Sharma N, Poonia DR, Misra S. Clinico-epidemiological data of breast cancer patients in the northwestern part of India: A Descriptive study. Japanese Society of Medical Oncology (JSMO); 17th-19th Nov 2022, (hybrid conference) Kyoto, Japan Awarded a Travel Grant of 50,000 Japanese Yen.
7. Mathad AS, Poonia DR, Sharma N, Vishnoi. Primary pulmonary leiomyosarcoma masquerading as metachronous pulmonary metastases in a patient with skeletal osteosarcoma: a case report. Indian Association of Surgical Oncology (MIDCON IASO) 25th-27th Mar 2022, Shillong, Meghalaya.
8. Mathad AS, Poonia DR, Sharma N, Vishnoi. Solitary Fibrous Tumour of retroperitoneum: case report. Indian Association of Surgical Oncology (MIDCON IASO) 25th-27th Mar 2022, Shillong, Meghalaya.

Resource Faculty:

1. Training of Trainer (ToT) Screening of Common Cancers for the Medical Officers. National Program for Prevention and control of cancer, diabetes, cardiovascular disease and stroke. 24-26 Feb 2022, AIIMS, Jodhpur
2. Training of Medical Officers. Comprehensive Geriatric Care Programme by NPHCE (National Programme for Health Care of Elderly). 21-23 March 2022, AIIMS, Jodhpur

Research Project:

Ongoing:

As Co-Investigator

1. ChEETAh Trial: Cluster randomised trial of sterile glove and instrument change at the time of wound closure to reduce surgical site infection (ChEETAh Trial). The University of Birmingham, UK Cristian Medical College, Ludhiana
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. EAGLE Trial: An International, cluster randomised sequence of a 'safe-anastomosis' Quality Improvement Intervention to reduce anastomotic leak following right colectomy and ileocecal resection (EAGLE safe anastomosis study) by European Society of Coloproctology. The University of Birmingham, UK Cristian Medical College, Ludhiana
4. 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.
5. 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
6. Protein expression analysis using Immunohistochemistry in the borderline resectable oral squamous cell carcinoma treated with induction chemotherapy: Exploratory longitudinal study.
7. 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.
8. Neoadjuvant chemotherapy followed by Surgery versus Surgery followed by adjuvant chemotherapy for resectable Gastric adenocarcinoma-Phase 3 Multicentric Randomized Controlled trial, DHR Grant-In-Aid GIA Scheme, JIPMER

9. 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
10. Ganga Godavari-Marudhara Screening Program for Woman- Funded by AstraZeneca India aims to spread awareness, and facilitate early detection of Oral, Breast and Cervical Cancers at early stages among women, AstraZeneca

Completed:

As Co-Investigator

1. Covid Surg Study-3: Outcomes of surgery in COVID-19 infection: international cohort study (CovidSurg) The University of Birmingham, UK Cristian Medical College, Ludhiana
2. International Snapshot Study on the Outcomes of Pancreatic Surgery. (Pancreasgroup.org) Non-

National/ International Conferences attended:

1. 34th Annual Conference of the Indian Association of Surgical Oncology (NATCON 2021). Organized by Indian Association Of Surgical Oncology, New Delhi (Online), October 23-24 & 30-31, 2021
2. ONCOSURG 2021 - 17th Annual Surgical Oncology Workshop. Organized by Tata Memorial Centre, at Tata Memorial Hospital, Mumbai (Online), 19-21 November 2021
3. Global Conclave on Head & Neck Cancers. organized by UICC, MHF, IASO, ISO, Online, 4-5 Feb 2022
4. Basic Course on Biomedical Research. Organized by Science – Tech Institute, Lucknow. Lucknow (online) ,21-27 Feb 2022
5. Mid Term Annual Conference of Indian Association of Surgical Oncology (MIDCON IASO 2022). Organized by Northeast India Association of Surgical Oncology and Department of Surgical Oncology NEIGRIHMS Shillong, State Convention Centre, Shillong, 25-27 March 2022

Department of Transfusion Medicine & Blood Bank

S.No.	Name	Designation
1	Dr. Poonam Elhence	Offg. Head, Professor
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 & Blood Bank completed its 8th year since inception and has actively been serving the patients of Jodhpur and surrounding districts. The department currently has a team of 2 Additional Professors, 2 Assistant Professors, 4 Senior Residents and 8 Junior Residents. The department has been engaged in doing all apheresis procedures via erythrocytopheresis (Red Cell Exchange), granulocytopheresis, leucocytopheresis, LDL apheresis, plasma apheresis, platelet apheresis and therapeutic plasma exchange.

The Department of Transfusion Medicine provides an array of transfusion services including patient blood management, apheresis treatment modalities and autologous cellular products like PRF, CGF, PRP etc. apart from the basic functioning of provision of blood components to AIIMS and other hospitals in Jodhpur. In the last one-year the Department of Transfusion Medicine and Blood Bank has expanded with the two Assistant Professors who joined during this period, and also with a large number of other specialties parallelly growing, the number of transfusion, apheresis and other services also increased exponentially. The Hospital Transfusion Committee of AIIMS Jodhpur was instrumental in increasing voluntary donations, minimizing unnecessary transfusions, implementation of restrictive transfusion thresholds; single unit transfusion policy and encouraging the use of autologous blood during surgeries. During the dengue epidemic appropriate platelet support was provided by the Blood Bank to Military Hospital Jaisalmer and other hospitals of surrounding districts.

In this one year, a total of 7051 blood donations occurred. A total of 42 voluntary blood donation camps were organized. Various efforts to increase and motivate voluntary blood donors including Celebration of World Blood Donor Day, various initiatives in recruiting voluntary donors from AIIMS faculty, residents and hospital staff had been undertaken by the. Another feather in the cap for the department was the collaboration with Indian Army and Airforcein organising two voluntary blood donation camps in the months of November and December 2021 for defence personnel in Military Camps in Jaisalmer.

Academic activities have been given high priority. Our Residents have participated in various national level conferences and presented oral presentations and posters. Research projects on a gamut of topics are actively being pursued. A workshop was organised for blood bank medical officers, technicians and Transfusion Medicine Residents from various medical colleges of Rajasthan on Patient Blood Management in the month of October 2021.

The Department in collaboration with RSACS had organised a state level workshop cum Public lecture in March 2022 for the clinicians of Rajasthan on the rational use of blood titled “Blood Safety starts with Patient Blood Management”. A series of lectures and activities was carried on stressing the importance of PBM. A skit raising awareness on rational use of blood was performed before the public audience of Jodhpur.

Compiled list of Publications of the department:

Papers

Pubmed Indexed:

1. Mammen JJ, Kumar S, Thomas L, Kumar G, Zachariah A, Jeyaseelan L, Peter JV, Agarwal A, Mukherjee A, Chatterjee P, Bhatnagar T. Factors associated with mortality among moderate and severe patients with COVID-19 in India: a secondary analysis of a randomised controlled trial. BMJ open. 2021 Oct 1;11(10):e050571.
2. Kumar PV, Banerjee M, Bajpayee A, Mandal S, Mitra P, Sharma P, Misra S, Bhardwaj P. SARS-CoV-2 IgG Antibody and its Clinical Correlates in Convalescent Plasma Donors: An Indian Experience. Indian Journal of Clinical Biochemistry. 2021 Nov 18:1-9.
3. Kumar A, Gopalakrishnan M, Kuri HR, Bajpayee A, Kothari N, Garg MK. Case Report: Delayed Diffuse Alveolar Hemorrhage in Echis sochureki Envenoming, Jodhpur, India. The American Journal of Tropical Medicine and Hygiene. 2022 Jan 31.
4. Mandal, S, and Sinha A. "Pediatric Therapeutic Plasma Exchange: Coming of Age?" Indian Journal of Pediatrics, 2021, 88(8), 745-746
5. Kumar, P.K., Banerjee, M., Bajpayee, A. Mandal S, Mitra P, Sharma P, Misra S, Bhardwaj P. SARS-CoV-2 IgG Antibody and its Clinical Correlates in Convalescent Plasma Donors: An Indian Experience. Ind J ClinBiochem. 2021 Nov 18. 1-9
6. Pokhrel A, Chaudhary J, Sachdeva P, Das AK, Gupta A, Kirtania T, Chaudhary K. Trends of Infectious Disease Markers Among Healthy Blood Donors In Northern India: A Ten Year Study. Transfusion and Apheresis Science. 2022 Apr 4:103442.
7. Parashar R, Gupta N, Bajpayee A, Manoj A, Gupta A. Can Restrictive Approach in Neonatal Transfusion Justify the Clinical Outcome? Indian journal of pediatrics. 2022 Feb;89(2):201-.
8. Kumar A, Didel S, Khera D, Gupta A, Purohit A. Paroxysmal cold hemoglobinuria in a 7-year-old male child–Was it really cold induced? A diagnostic and management dilemma. Pediatric Hematology Oncology Journal. 2021 Dec 1;6(4):216-9.
9. Keri VC, Kodan P, Gupta A, Jorwal P. Needle Stick Injury From a COVID-19 Patient—Fear It or Forget It?. Journal of bioethical inquiry. 2021 Sep;18(3):377-8.
10. Budania A, Mandal S, Pathania YS, Lahoria U, Khan MA, Puri I, Mishra R. Comparing novel versus conventional technique of platelet-rich plasma therapy in periorbital hyperpigmentation: A randomized prospective split-face study. Journal of cosmetic dermatology. 2021 Oct;20(10):3245-52.

Non-Pubmed Indexed:

1. RashmiParashar, Neeraj Gupta, ArchanaBajpayee, Anubhav Gupta, Arun M. Evaluation of Clinical Transfusion Practices in Neonatal Intensive Care Unit. Biomed J Sci& Tech Res 41(4)-2022. BJSTR. MS.ID.006644

Workshops/ Conferences Organized

1. National voluntary blood donation day at Dept. of Transfusion Medicine & Blood Bank at AIIMS Jodhpur on 1st October 2021
2. Hands on training on Patient Blood Management, organized by Dept. of Transfusion Medicine & Blood Bank at AIIMS Jodhpur, Pathology Seminar Room, 23rd -24thSeptember 2021

3. Blood Safety workshop (Blood safety starts with patient blood management), organized by Dept. of Transfusion Medicine & Blood Bank at AIIMS Jodhpur in collaboration with RSACS, Rajasthan, at AIIMS Jodhpur Auditorium, 28th -29th March 2022
4. Public lecture cum discussion organized by Dept. of Transfusion Medicine & Blood Bank at AIIMS Jodhpur, at AIIMS Jodhpur Auditorium,29th March 2022

Eminent Visitors:

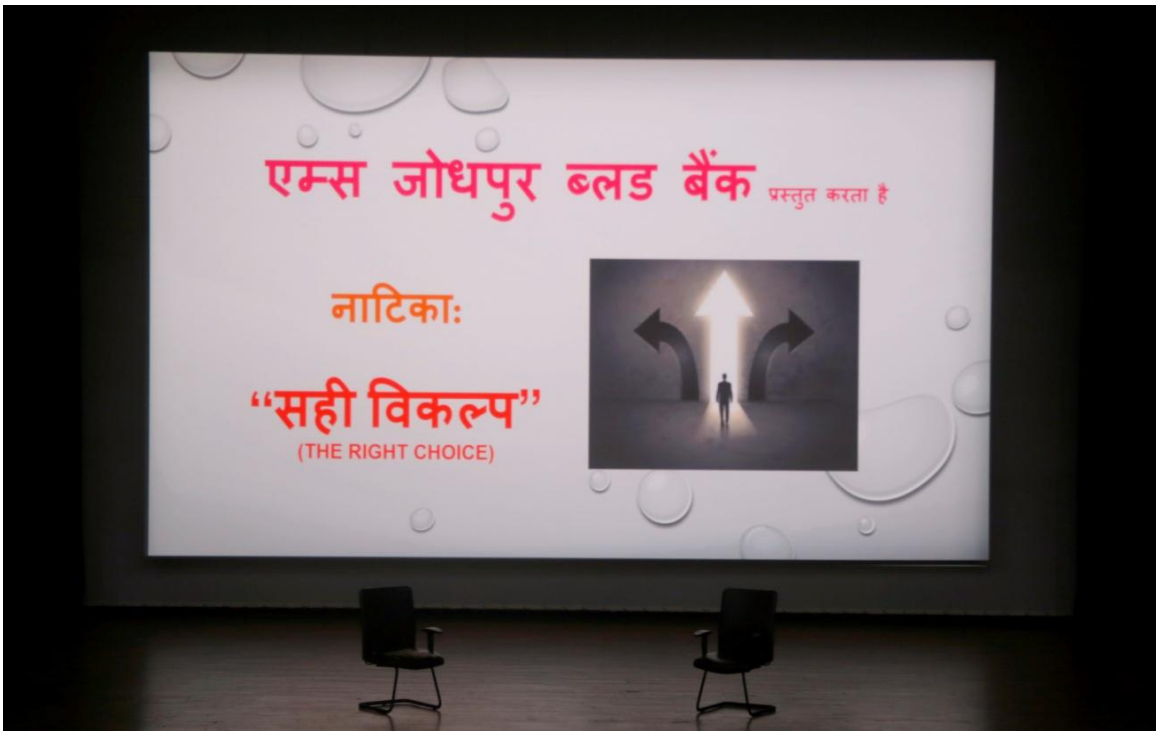
1. Dr. Vinita Srivastava, Health Advisor, MoTA, New Delhi- graced the occasion Public lecture cum Discussion
2. Dr. Megha Khobragade, ADG, DGHS, MoHFW, New Delhi- graced the occasionPublic lecture cum Discussion

Public awareness skit "SahiVikalp: The Right Choice"

You go to a doctor with your pregnant wife who is suffering from anaemia and he tells you that there is no need for blood transfusion, just some medicines would do, what would be your reaction? A fair percentage of the general public might get offended by the doctor and might go to any other doctor who is ready to transfuse blood. This is a matter of great concern. Somehow an idea is imprinted on people's minds that anaemia is equal to blood transfusion. This is the biggest challenge a transfusion physician faces who wants to implement Patient Blood Management (PBM) in his/her blood centre as far as cooperation from the general public is concerned. Whenever awareness of PBM is discussed, most of the attempts are targeted at clinicians, and the importance of general public awareness is often overlooked. "Sahi Vikalp: The Right Choice" public awareness skit presented by the Department of Transfusion Medicine, All India Institute of Medical Sciences – Jodhpurat AIIMS auditorium was a humble attempt to address this lacuna.

Mukesh and Sumitra are a newlywed couple hailing from a small village in Rajasthan expecting their first child. How do they react when they come to know the expectant mother is anaemic forms the premise of the skit. The screenplay was loosely based on a real-life experience which was dramatized using artistic liberty. Students of the 2021 MBBS batch of AIIMS Jodhpur were there predominantly in the cast. The Public awareness skit was performed as a part of a two-day CME cum workshop on "blood safety" conducted by the Department of Transfusion Medicine & Blood Bank, AIIMS Jodhpur on the 28th& 29th of March 2022 in collaboration with RSACS (Rajasthan State AIDS Control Society).The function was graced by the Hon. Director Prof. SanjeevMisra along with other dignitaries from AIIMS and other medical institutes from Rajasthan.

Cast & Crew of SahiVikalp: Cast: Mukesh Chaudhary, AnshuShekhawat, Saroj Patel, Ruchika Agrawal, Anuradha Singh, SubhashSamota (2021 MBBS students), Kiran Chauhan (2021 BSc Nursing), DrBodanapuVinay (Junior Resident, Dept of Transfusion Medicine). Crew: Narration: Harshita Gyanchandani (2021 MBBS), Directed By: D rDavood Bava (Senior Resident, Department of Transfusion Medicine), Production Design: Dr Anubhav Gupta (Assistant Professor, Department of Transfusion Medicine).



"Sahi Vikalp: The Right Choice" a short skit organized by the Department of Transfusion Medicine



MBBS students, residents and faculty of the Department of Transfusion medicine performing during the skit "Sahi Vikalp: The Right Choice"

Name of Faculty: Dr. Archana Bajpayee
Designation: Additional Professor

Books/Chapters

1. Book Chapter in National Health Mission Patient Blood Management manual “Perioperative anemia Management”

Papers Presented:

1. Blood safety workshop 28th and 29th march 2022 “patient blood management a new kid on the block: an audit report of blood utilization from rajasthan state”
2. “Transfusion Medicine practitioners’ role in minimising inappropriate transfusions in dengue patients” transcon- 2022 isbti karnataka chapter
3. Outcome of patient blood management strategies in cardiothoracic surgeries: a quality improvement study at a tertiary hospital. Pallavisingh.Transmedcon-2021.
4. Challenges faced in implementation of patient blood management strategies as a part of quality improvement study at a tertiary hospital:pallavi singh. International symposium on blood safety virtual 2nd october 2021.
5. Response rate to counselling among notified sero-reactive blood donors: an experience from a tertiary care centre in western Rajasthan: Dr. Vasanthasirvatham. Atranscon- 2022 isbtikarnataka chapter

Invited Lectures

1. Complications and Management of Therapeutic Plasma Exchange, ISBTI, Karnataka, 11-13 March 2022, Virtual

Resource Faculty:

1. Hands on workshop on Patient Blood Management, AIIMS Jodhpur, 22-23 September, AIIMS Jodhpur, Rajasthan
2. Blood safety comes with patient blood management, AIIMS Jodhpur in collaboration with RSACS Rajasthan, 27-28 March 2022
3. Short skit, Public lecture cum discussion, AIIMS Jodhpur 28 March 2022

Research Project:

Ongoing:

As Principal Investigator

1. An economic review of Nucleic Acid Testing for screening of blood components for transfusion to Thalassemia patients in western India: ECONAT Study
2. Research study on Patient Blood Management in Rajasthan State and economic analysis-NHM Fund-Phase 4 ongoing

As Co-Investigator

1. Therapeutic plasma exchange in pediatric ICU patients.
2. Indication of Transfusion of Blood and Blood components for Pediatric and Neonatal group of patients in India: A multicentric study

3. Assessing the prevalence of alloimmunization in haemato-oncology patients, Funding Agency-Intramural, AIIMS Jodhpur
4. Therapeutic plasma exchange in Neurological Disorders: A Tertiary care blood centre experience from North India
5. Intramural "A quantitative assessment of changes in Inflammatory cytokines in patients undergoing cardiac surgeries with allogenic and autologous blood transfusion".

Completed:

As Principal Investigator

1. Research study on Patient Blood Management in Rajasthan State and economic analysis-NHM Fund-Phase 3 completed

As Co-Investigator

1. An economic review of Nucleic Acid Testing for screening of blood components for transfusion to Thalassemia patients in western India: ECONAT Study

Examinership

1. AIIMS Raipur
2. Sawai Man Singh College, Jaipur and PBM, Bikaner

Membership/Post in Journal or Society or Association

1. Lifetime member of Asian association of Transfusion Medicine.
2. Lifetime Member of Indian Society of Transfusion Medicine (ISTM)
3. Lifetime Member of Indian Society of Blood Transfusion & Imunohaematology (ISBTI)
4. Lifetime Member of Indian Society of Organ Transplant

National/ International Conferences attended:

1. Indian Society of Transfusion Medicine
2. Indian Society of Blood Transfusion and Immunohematology-Karnataka-11-13 March

Name of Faculty: Dr. Saptarshi Mandal
Designation: Additional Professor

Papers Presented:

1. Corresponding author for Oral Presentationat National Conference: Mishra R, Mandal S, Khan M A, Thakral S, Minj A, Kumar A, Banerjee M, Elhence P, Bhatia P. Potassium and Lactate time-trend data from a study on validation of closed-system SAGM-wash as a method for salvaging units for long term post irradiation storage. 9th TRANSMEDCON 2021, Guwahati. December 17th to 18th 2021, Guwahati, India.
2. Coauthor for Oral presentationat International Conference. DavoodBava, MdAtik Khan, Akhilesh Kumar, Anubhav Gupta, SaptarshiMandal, ArchanaBajpayee. Redefining the Role of Therapeutic Plasma Exchange in Complications of EchisCarinatusSochureki Envenomation Refractory to Anti Snake Venom: A Case Series. Oral Presentation at 16th Annual AATM Congress and 3rd joint AABB & AATM Congress. December 3rd to 4th 2021, Jaipur, India.

3. Presenting and Corresponding author for International Poster: SaptarshiMandal, Pradip Banerjee, Md. Atik Khan, Richa Mishra, JaydyutiMandal, Muskan Arora, Satwik S, PoonamElhence, Praveen Sharma, ArchanaBajpayee and Pradeep Bhatia. Time Profile of Intracellular microRNA miR196a in Human RBCs Stored as Whole Blood or Packed RBCs with and Without Leukoreduction and/or Irradiation Performed in Varying Combinations and Sequences. Poster at AABB ("Association for Advancement of Blood & Biotherapies", previously "American Association of Blood Banks") Annual Meeting Oct 17-19, 2021, Virtual
4. Corresponding author for International Poster: Mishra R, Mandal S, Khan M A, Thakral S, Minj A, Kumar A, Banerjee M, Elhence P, Bhatia P. Comparison of different wash and resuspension solution combinations for washing of stored red cells: effects on extracellular potassium and plasma free Hb with post-wash time. Poster at 16th Annual AATM Congress and 3rd joint AABB & AATM Congress. December 3rd to 4th 2021, Jaipur, India.
5. International Poster Co Author: A. Hazra, S. Mandal and M. Marlecha. "Insignificant Differences in Hemolysis related parameters in Four-Way-Split Sample-Transfer from 22G-Needle-Syringe to Serum Tubes, Assayed for Potassium, LDH, AST, ALT & Free Hemoglobin" Poster accepted for American Association for Clinical Chemistry (AACC) Annual Meeting at Chicago July 24-28, 2022
6. International Poster Co Author: A. Hazra, S. Mandal, J. Chakraborty. "Relationship of neutrophil-lymphocyte-ratio and platelet counts with parathormone, and how they are affected ay gender, age and sugar levels In maintenance hemodialysis patients in India," Poster accepted for International Federation of Clinical Chemistry (IFCC) World Lab Seoul Jun 2022.
7. International Poster Co Author: A. Hazra, S. Mandal, J. Chakraborty. "Different relationship of parathyroid hormone to age and reproductive hormones in male and female in maintenance hemodialysis pateints." Poster accepted for International Federation of Clinical Chemistry (IFCC) World Lab Seoul Jun 2022.

Symposium Speaker

1. Mandal S: Iatrogenic Blood Loss: a Hidden Cause for Anemia" at State Level Clinician Training on Blood Safety jointly organized by Rajasthan State AIDS Control Society (RSACS) & AIIMS Jodhpur (28-29 March 2022), at AIIMS Jodhpur

Resource Faculty:

1. Invited Faculty for a Two-Part Lecture on Molecular Diagnostics in Transfusion Medicine at PGIMER (Post Graduate Institute of Medical Education and Research) Chandigarh for MSc in Medical Biotechnology, Semester I, Taken on 1st& 2nd March 2022

Research Project:

Ongoing:

As Co-Investigator

1. Co-Principal Investigator for ICMR Extramural Project of 21 Lakh 17 Thousand Rs. "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". In collaboration with AIIMS Kalyani, IIT Jodhpur, IIT Kanpur & GMC Pali.

Completed:

As Co-Investigator

1. MiR-24 and Th17/Treg-imbalance as markers for disease activity in patients with Rheumatoid Arthritis and its correlation with clinical assessment of disease activity. Intramural, AIIMS Jodhpur

Scientific Awards/Patents

1. Guide for ICMR Thesis Award ICMR Letter No No. 3/2/June-2021/PG-Thesis-HRD (13) for MD Transfusion Medicine Project titled “High Mobility Group Box 1 (HMGB1) levels in stored platelet concentrates made by different methods and their relationship to quality control parameters and IL6 before and after irradiation.”
2. Guide for ICMR Thesis Award ICMR award letter no 3/2/Dec-2021/PG-Thesis-HRD (27) MD Transfusion Medicine Thesis "Study on phenotyping autologous red cells from transfused thalassemic patients and in-vitro-simulations, by differential lysis methods."

Examinership

1. MD Transfusion Medicine & Immunology, JIPMER Puducherry July 2021

Membership/Post in Journal or Society or Association

1. College of American Pathology (CAP) assessor assigned for Transfusion Medicine International CAP Inspections.
2. Member ISTH (International Society for Thrombosis and Hemostasis) Scientific SubCommittee (SCC): “Identification of markers that can separate procoagulant from apoptotic platelets”.
3. Clinical Laboratories Standards Institute (CLSI) Member and follower of core committee on EP17 A3: Evaluation of Detection Capability for Clinical Laboratory Measurement Procedures, 3rd Edition
4. Science and Engineering Research Board (SERB), Department of Science & Technology (DST) Reviewer for extramural Projects.
5. American Society for Apheresis (ASFA) International Affairs Committee
6. AATM (Asian Association of Transfusion Medicine)

National/ International Conferences attended:

1. International Conference (virtual) AABB (“Association for Advancement of Blood & Biotherapies”, previously “American Association of Blood Banks”) Annual Meeting Oct 17-19, 2021, Virtual, Presented Poster.

Name of Faculty: Dr. Anubhav Gupta
Designation: Assistant Professor

Books/Chapters

1. Guidance manual for Patient Blood Management, Version 1, National Health Mission

Papers Presented:

1. Gupta A, Bajpayee, A, Anne P Component wise financial implications of inappropriate blood transfusion on the Indian healthcare system, International Society of Blood Transfusion 2-8 June 2021, virtual
2. Gupta A, Dhawan H, Sharma R R Impact of Education strategies in implementing Best bedside transfusion practices in India, International Society of Blood Transfusion, 2-8 June 2021, virtual
3. Gupta A, Bajpayee, A, Anne P, Singh P Economic Evaluation of Quality of Clinicians Transfusion Practices and its Impact on Healthcare System, ISBS PGI, 1st October 2021
4. Coauthor for Oral presentation-. Davood Bava, MdAtik Khan, Akhilesh Kumar, Anubhav Gupta, Saptarsh Mandal, Archana Bajpayee. Redefining the Role of Therapeutic Plasma Exchange in Complications of Echis Carinatus Sochureki Envenomation Refractory to Anti Snake Venom: A Case Series. Oral Presentation at 16th Annual AATM Congress and 3rd joint AABB & AATM Congress. December 3rd to 4th 2021, Jaipur, India.
5. Coauthor for poster presentation at International Conference. MdAtik Khan, Davood Bava, SaptarshiMandal, Anubhav Gupta. Role of Therapeutic Plasma Exchange in Microangiopathic haemolytic anemia: A Case Series. ISTM Guwahati
6. Coauthor for Oral presentation- A retrospective study on Neonatal Exchange Transfusion in a single tertiary care hospital-ISTM Guwahati
7. Coauthor for Oral presentation-Comparative analysis between two blood centers for platelet usage in dengue season- ISBTI Karnataka

Invited Lectures

1. Complications and Management of Therapeutic Plasma Exchange, ISBTI, Karnataka, 11-13 March 2022. [online]
2. Basics & advancement in Blood Group system, Nilam Online Lecture Series, 18th February 2022. [online]

Resource Faculty:

1. Hands on workshop on Patient Blood Management, AIIMS Jodhpur, 22-23 September, AIIMS Jodhpur, Rajasthan
2. Blood safety comes with patient blood management, AIIMS Jodhpur in collaboration with RSACS Rajasthan, 27-28 March 2022
3. Short skit, Public lecture cum discussion, AIIMS Jodhpur 28 March 2022

Symposium Speaker

1. Speaker: Anubhav Gupta: “Gaps in Bedside Transfusion Practices-Touching the intouchables” at State Level Clinician Training on Blood Safety jointly organized by Rajasthan State AIDS Control Society (RSACS) & AIIMS Jodhpur (28-29 March 2022), at AIIMS Jodhpur

Research Project:

Ongoing:

As Principal Investigator

1. Assessing the prevalence of alloimmunization in haemato-oncology patients, Funding Agency-Intramural, AIIMS Jodhpur

2. Therapeutic plasma exchange in Neurological Disorders: A Tertiary care blood centre experience from North India

As Co-Investigator

1. Therapeutic plasma exchange in pediatric ICU patients.
2. Research project on implementing patient blood management in Rajasthan State
3. Research study on Patent Blood
4. Management in Rajast
3. Indication of Transfusion of Blood and Blood components for Pediatric and Neonatal group of patients in India: A multicentric study
4. 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

Completed:

As Co-Investigator

1. An economic review of Nucleic Acid Testing for screening of blood components for transfusion to Thalassemia patients in western India: ECONAT Study

Scientific Awards/Patents

1. **Harold Gunson Fellowship**, International Society of Blood Transfusion 2021, 2nd -8th June 2021

Membership/Post in Journal or Society or Association

1. Indian Society of Transfusion Medicine-Member
2. Asian Association of Transfusion Medicine-Member
3. International Society of Transfusion Medicine-Member

National/ International Conferences attended:

1. First National Conference of Haemovigilance-NIB, Noida-9-11 December 2021
2. Indian Society of Blood Transfusion and Immunohematology-Karnataka-11-13 March
3. ISBS-PGI-1-2 October 2021

Name of Faculty: Dr. Siddharth Mittal

Designation: Assistant Professor

Books/Chapters

1. Mittal S. Iatrogenic blood loss. In: Patient Blood Management, Archana B, 1st edition, Jodhpur, NHM 2022

Papers Presented:

1. Mittal S. A Pilot study comparing traditional versus reverse screening algorithms for syphilis screening among blood donors. International Symposium on blood safety; 3rd October 2021, PGIMER, Chandigarh

Invited Lectures

1. Serological techniques on evaluation of blood groups and various issues, Nilam Online Lecture Series, 18th February 2022, Virtual

Symposium Speaker

1. Massive Transfusion Protocols, Clinician's Training for Rational use of blood,28th-29th March 2022, 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. 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
2. Therapeutic plasma exchange in Neurological disorders: A tertiary care blood centre experience from North India, AIIMS, Jodhpur

Scientific Awards/Patents

1. Membership of National Academy of Medical Sciences, Immunohematology & Blood Transfusion, NAMS, 8th March 2022

Membership/Post in Journal or Society or Association

1. Member, International Society of Haemostasis and Thrombosis

National/ International Conferences attended:

1. International symposium on Blood Safety, PGIMER, Chandigarh, 3rd October 2021
2. Virtual CME on HaemovigilanceProgramme of India, NIB, 16th September 2021

Department of Trauma & Emergency

S.No.	Name	Designation	Specific Department
1	Dr. Mahaveer Singh Rodha	Additional Professor	General Surgery
2	Dr. Kamla Kant Shukla	Associate Professor	Biochemistry
3	Dr. Rahul Choudhary	Associate Professor	Cardiology
4	Dr. Ankur Sharma	Associate Professor	Anesthesiology
5	Dr. Bharat Choudhary	Associate Professor	Pediatrics
6	Dr. Manisha Jhirwal	Assistant Professor	Obstetrics and Gynaecology
7	Dr. Amit Kumar Rohila	Assistant Professor	General Medicine

About the Department:

The Trauma & Emergency department was started in sept 2017.initial the footfall of patient in emergency was very low. But with efforts of faculty members and proper protocol the numbers of Emergency patient are shoot up in sort time. The Current triage and resuscitation area are fully equipped with latest technological equipment's like ventilator, defibrillators, monitors. Currently Emergency care for Trauma, Surgery, medicine and pediatric patient are managed under one roof. There is provision of separate counter for Triaging of patent is define. Pediatric patients are managed by dedicated pediatric doctors' team. In AIIMS Emergency ATLS/ACLS protocols are in palace.

Pediatric Trauma and emergency have catered approximately 10000 patient last year. Pediatric emergency area had dedicated triage manned by trained nursing officers with triage bed of different acuity. In view increasing number patient and increasing proportion of sick patients with limited number of PICU beds, Pediatric Acute Care area was created in Nov 2019.This area has capacity of 5 beds with 4 ventilators with other necessary equipment to stabilize sick children. We stabilize all children including surgical and trauma emergencies. Sick Children those who are hemodynamically unstable are kept here for further monitoring till they get bed in PICU or till they become stable.

After this area became functional our referral rate has reduced significantly.

We have started one-year post-doctoral fellowship academic program in Pediatric trauma & emergency medicine, currently having 2 fellows.

We have also managed three multi casualty incidents in last year involving children in different accidents.

In Covid 19 pandemic situation the emergency is most sensitive area for infection. To prevent the covid 19 infection to health care workers and patient also, we create a provision of 24 hours screening counter also. All patient who reach at Emergency, should be screened for any sign /symptoms of covid 19 with help ICMR screening form. The average footfall of emergency patient in year 2021-2022 was 2627 per month, with a total patient load of 31,523 in the entire year.

Workshops/ Conferences Organized

1. **Simulation based Central Line insertion** - 17th October 2021

Central line is an important procedure to get venous access in sick children for drug administration as well as for monitoring purpose. It is associated with life threatening complications. In untrained hands it may cost lives.

Using simulation as teaching methodology we have trained our resident by giving them hands on experience on central line trainer, so that they get more confident in inserting without harming the patient and ultimately improves patient outcome.

2. **Emergency Treatment and Triage workshop**

[ETAT] for medical officers and Nursing officers of Rajasthan. Four such workshops were organized in which more that 80 participants from various district hospitals were trained in emergency triaging and stabilization of sick children.

Name of Faculty : Dr. Mahaveer Singh Rodha
Designation : Additional Professor
Department : Trauma and Emergency (Surgery)

Sessions Chaired:

1. ASICON -2021 (Virtual) from 17 to 21 December 2021
2. ASIRAJ-2021 (Virtual) from 9 January 2022.
3. TRAUMA 2021 Virtual national conference, JPNA Trauma center AIIMS Delhi, 19th to 21st November, Online.

Resource Faculty:

1. Subject Expert for conducting interview for the post of Lecturer surgery in Health & Medical Education Department, J& K Public Service Commission, Srinagar from 26th to 27th July 2021.
2. Course Faculty-ATLS Instructor course, ATLS India, 24th to 26th February 2021, AIIMS, Jodhpur.
3. Course Faculty-ATLS Provider course, ATLS India, 11th to 13th March 2021, AIIMS Jodhpur.
4. Course faculty-ATCN India at AIIMS, Jodhpur from 11th to 13th November 2021

Research Project:

Ongoing:

As Principal Investigator

1. COVID-19 infection among patients undergoing any elective intervention in AIIMS Jodhpur: An observational study.
2. Rhomboid flap surgery for pilonidal sinus disease: A retrospective study.
3. Knowledge and attitude about “Surgical Safety Checklist” among surgical care practitioners of AIIMS Jodhpur.
4. Early surgical treatment of chest trauma in AIIMS Jodhpur.
5. To study pneumo-mediastinum in chest trauma patients, Trauma center -AIIMS Jodhpur

As Co-Investigator

1. Patient’s safety and outcome in laparoscopic appendectomy by residents: A retrospective study.
2. Awareness and experience of health care workers during COVID-19.
3. Feasibility of same day discharge in laparoscopic cholecystectomy and inguinal hernioplasty
4. Primary closure with negative suction drain versus delayed primary closure techniques in emergency laparotomy: A randomized controlled trial
5. Fibrin glue application in pilonidal sinus: A prospective observational study
6. “Laparoscopic Port -site infections: characteristics and management” Feasibility and management of acute appendicitis in adults during COVID-19 pandemic.
7. Factors leading to cancelation of elective surgery at AIIMS Jodhpur: A quality improvement study.

8. Clinico-epidemiological study of admitted Patients in the Department of Surgery during COVID-2019 Pandemic
9. Comparative study of open and laparoscopic ventral hernia repair: A prospective single Centre study at AIIMS Jodhpur
10. A Study to assess the level of satisfaction regarding IPD services among COVID-19 patients admitted at AIIMS Jodhpur.
11. Perioperative respiratory care and outcomes for patients undergoing high risk abdominal surgery (PENGUIN Trial)
12. Cluster Randomized Trail of sterile glove and instrument change at closure to reduce surgical site infection (CHEETAH)
13. Outcomes of Surgery in COVID-19 infection: India cohost study (COVID Surg India)
14. Road traffic accidents during Covid-19 pandemic: A multicenter retrospective analytic study.
15. Feasibility of telemedicine follow up in general surgery patients at a tertiary care center in India : A randomized control trial
16. Postoperative outcome of patients after Scrotal application following minimal access surgery for inguinal hernia: A randomized controlled trial

Completed:

As Principal Investigator

1. A Feasibility study of clinical, Radiological and Pathological response to Neo-Adjuvant chemotherapy with use of Radiopaque Markers in Locally Advanced Breast cancers underjoining surgery.

Examinership

1. External Examiner for Third Professional MBBS Part-II (General Surgery) examination organized by RUHS (Rajasthan University of health Sciences) at S.P Medical College, Bikaner from 13th to 16th April 2021.
2. External Examiner for Third Professional MBBS Part-II (General Surgery) examination organized by RUHS (Rajasthan University of health Sciences) at S.N Medical College, Jodhpur from 24th to 26th April 2021.
3. Interview for the post of Lecturer surgery in Health & Medical Education Department, J& K Public Service Commission, Srinagar from 26th to 27th July 2021.
4. External Examiner for Third Professional MBBS Part-II (General Surgery) examination organized by RUHS (Rajasthan University of health Sciences) at S.N Medical College, Jodhpur from 11th to 12th March 2022.
5. Faculty for M.Ch (MIS) thesis evaluation in AIIMS, Delhi in 2021.
6. Faculty for M.S (General Surgery) thesis evaluation in AIIMS, Delhi in 2021.
7. Faculty for M.S (General Surgery) thesis evaluation in S.N.Medical college, Jodhpur in 2021.

National/ International Conferences attended:

1. AMASICON-2021 **(**16th International Congress of the Association of Minimal Access Surgeons of India)" at New Delhi from 26-28 November 2021.
2. ASICON 2021 Virtual Conference, Association of Surgeons of India, online, 17-21 Dec 2021.
3. ASIRAJ 2021 Virtual Conference, Association of Surgeons of India (Rajasthan Chapter), online, 17-21 Dec 2021.
4. TRAUMA 2021 Virtual national conference, JPNA Trauma center, AIIMS Delhi, 19-21 November 2021.

Name of Faculty : Dr. Kamla Kant Shukla
Designation : Associate Professor
Department : Trauma and Emergency (Biochemistry)

Research Project:

Ongoing:

As Principal Investigator

1. To investigate the efficacy of anticancer drugs with herbal combination in a rat model of prostate cancer (2021-2022), Intramural.

As Co-Investigator

1. Study of LDL receptor expression in Aluminium-exposed adult rats (2021-22) Funded by AIIMS, Jodhpur (Intramural).
2. 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 (2021-22) Funded by AIIMS, Jodhpur (Intramural).
3. Clinical effectiveness and patient related outcomes of "Treat to target" strategy in patients of Rheumatoid arthritis patients at AIIMS Jodhpur: A prospective interventional study. (2020-21) Funded by AIIMS, Jodhpur (Intramural).
4. Study of LDL receptor expression in Aluminum-exposed adult rats, (2022) Funded by AIIMS, Jodhpur (Intramural).
5. 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- 2020-5410). (Extramural).

Completed:

As principal investigator

1. Association of miR-21, miR-141, miR-145 and miR-10b in the induction and propagation of cancer stem cell in prostate cancer (2017-19), Funded by AIIMS, Jodhpur (Intramural).

As Co-Investigator

1. Assessment of plasma and urinary branched-chain amino acids among patients of type 2 diabetes mellitus. (2017-19) Funded by AIIMS, Jodhpur (Intramural).
2. To understand the diagnostic and prognostic significance of circulating miRNAs expression in prostate cancer patients. (2017-19) Funded by AIIMS, Jodhpur (Intramural).
3. Interleukin IL-1A and IL-1Ra Gene Polymorphism and Susceptibility to Rheumatoid Arthritis in Indian populations. (2017-19) Funded by AIIMS, Jodhpur (Intramural).
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. (2017-19) Funded by AIIMS, Jodhpur (Intramural).

Awards

1. Shri Om Prakash Sharma young scientist Award in year 2021 by Indian Academy of Biomedical Sciences.

Resource faculty:

1. Was organizing secretary of the hands-on Flowcytometry Workshop conducted by Dept of Biochemistry, AIIMS Jodhpur from 28th March to 30th March 2022.
2. Was organizing member of Leadcon 2021 held between 28th to 31th Oct 2021 under the aegis of NRCLPI, InSLAR & AIIMS Jodhpur.

National/ International Conferences attended:

1. Attended LeadCon 2021: Lead, Environment & Health, October 29th to 31th , 2021, AIIMS Jodhpur, India. (Virtual Conference).

Membership/Post in Journal or Society or Association

1. Member of American Association for Clinical Chemistry, USA.
2. Associate Member of the Royal Society of Biology, United Kingdom.
3. Life member of Association of Clinical Biochemist of India.
4. Life member of Indian Academy of Biomedical Sciences, India.
5. Life member of Association of Reproductive Health Professionals, USA.
6. Life member of Indian Academy of Biomedical Sciences (IABS).
7. Associate guest editor of frontier in bioscince
8. Associate guest editor of frontier in endocrinology and frontier in genetics
9. Reviewer of different prestigious journals like, Fertility & Sterility, Human Reproduction, Reproductive Toxicology, Cytokine, Immunology Letters, Oncotarget, Cancer research, Urologic Oncology, Asian Pacific Journal of Cancer Prevention, Evidence-Based Complementary & Alternative Medicine and Journal of Andrology.

Name of Faculty : Dr Rahul Choudhary
Designation : Associate Professor
Department : Trauma and Emergency (Cardiology)

Papers Presented:

1. LM bifurcation stenting in tortuous LCX in ACS patient. Asia Tech Exchange, 26 March 2022.

Invited Lectures

1. Recent updates in HBR patients PCI- Cardiocon National Conference 19-20 Feb2022 Ahmedabad.

Workshops/ Conferences Organized

1. Training of medical officers of various CHCs Jodhpur: ICMR STEMI-ACT 12th March 2022
2. Session on Ballistocardiography for MedTech students by Mr Mudit Dandwate, CEO and Co-founder, Dozee– Turtle shell technologies Pvt Ltd

Research Project:

Ongoing:

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 mh 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.

As Co-Investigator

1. WHF COVID – cardiovascular disease survey
2. 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).

Completed:

As Principal Investigator

1. " To study the Clinical and angiographic profile in patients undergoing percutandous coronary interventions in department of cardiology and to evaluate their correlation with outcome"

Examinership

1. DM Cardiology External examiner at Ajmer JLN Medical College (Aug 2021), Rajasthan University Health Sciences, Jaipur.

Membership/Post in Journal or Society or Association

1. Fellowship in SCAI

National/ International Conferences attended:

1. Annual conference CSI Hyderabad. 2-5 Dec 2021

Name of Faculty : Dr Ankur Sharma
Designation : Associate Professor
Department : Trauma & Emergency (Anesthesiology)

Papers Presented

1. A child with Moebius syndrome for squint surgery-anaesthetic management and literature review. 68th Annual Conference of Indian Society of Anaesthesiologists ISACON2021, Ahmedabad, 27th November 2021.

Invited Lectures:

1. Invited faculty for the workshop on “Blood Products”, LHMC ANESTHESIA REFRESHER COURSE (LARC-MTV), 6th October 2021.
2. Faculty in 68th Annual Conference of Indian Society of Anaesthesiologists ISACON2021, Ahmedabad, 25th -28th November 2021.
3. Speaker in training program. JPHEIGO on “Basic Life Support in COVID” AND “Use of NIV in COVID”, January 2022.

Resource Faculty:

1. Course faculty in AHA certified BLS and ACLS courses, AIIMS Jodhpur, August 2021, March 2022

Research Project:

Ongoing:

As Principal Investigator

1. Utility of Pentraxin-3 and Presepsin in prognosis of sepsis in critically ill patients
2. Comparison of ultrasound guided versus conventional palpatory method of posterior tibial artery cannulation: A randomized controlled trial

As Co-Investigator:

1. Comparison of the effect of intra cuff Normal saline, Dexamethasone or ketamine for prevention of post-operative sore throat: A randomized controlled trial
2. Mortality of Hypotensive Trauma Patients: A Prospective Observational study

Completed:

As Principal Investigator

1.Attitude of medical undergraduate students' toward anesthesia as a future career

2. Nasogastric tube insertion using conventional versus bubble technique in anesthetized patients: a prospective, randomized study

3. Clinical features and mortality in first 500 COVID-19 Suspect SARI cases from Western Rajasthan, India

Membership/Post in Journal or Society or Association

1. Life member; Clinical Infectious Diseases Society of India

National/ International Conferences attended:

1. Invited faculty for the workshop on "Blood Products". LHMC ANESTHESIA REFRESHER COURSE (LARC-MTV), 6th October 2021.
2. Faculty in 68th Annual Conference of Indian Society of Anaesthesiologists (ISACON2021),Ahmedabad, 25th -28th November 2021.
3. Speaker in training program. JPHEIGO on "Basic Life Support in COVID" AND "Use of NIV in COVID", January 2022.

Name of Faculty : Dr Bharat Choudhary
Designation : Associate Professor
Department : Trauma & Emergency (Pediatrics)

Papers Presented:

1. Impact of simulation-based intervention on domestic care of seizures in children by primary caregivers-a Randomized control study– IPSS 17-19 September 2021
2. Effectiveness of simulation-based training of residents on their knowledge and practice of USG guided CVC insertion- IPSS 17-19 September 2021

3. Effectiveness of Simulation based ventilator associated pneumonia (VAP) bundle care training to nursing officers on Knowledge, practice, and incidence of VAP in Pediatric intensive care unit in Western Rajasthan: a quasi-experimental Study. 24-25 April 2021.- Won Best paper award
4. Case Based Discussion - WACEM 2021 held from 10-19 December 2021 virtually. Use of early hemodialysis in severe carbamazepine poisoning in children improve outcomes- a case series – won second prize
5. A rare cause of unconsciousness in a child- Alcohol Poisoning
6. A rare cause of hypertensive urgency in adolescent girl presenting to ER diagnosed on POCUS- Coarctation of aorta
7. Unusual Cause of respiratory distress in infant detected on POCUS in ER- CDH
8. Interesting POCUS finding in a child with Respiratory distress which led to early diagnosis
9. Vasculotoxic snake bite with venom induced consumption coagulopathy? secondary to Echis Carinatus sochureki

Invited Lectures

1. Approach to Child with Genitourinary emergencies Management of Traumatic Brain injury in Children, WACEM 2021 held from 10-19 December 2021
2. Child abuse in ER WACEM 2021 held from 10-19 December 2021

Resource Faculty:

1. Chaired oral presentation and poster session simulation – IPSS (International Pediatric Simulation Symposium 2021

Research Project:

Chief Investigator:

1. Strengthening the immediate care of Critically ill patient in Emergency Department through Quality improvement project
2. Pattern of Pediatric emergency During Lock down Period
3. Clinical and biochemical profile of children with COVID-19
4. POCUS in children with MISC presenting to Pediatric ER
5. Impact of Pediatric Acute care area on patient outcome Prediction of Severe Dengue through OMICS – multicentric study submitted to ICMR – accepted
6. Drowning morbidity and mortality rates in children and adolescent (0-19yrs) in India- A population-based study.

Co- Investigator-

1. Fluid therapy in children with septic shock- determining the optimal volume of fluid bolus
2. Outcome of children with intra hospital and out of the hospital cardiac arrest – a prospective study
3. Impact of pre-hospital care and mode of transport on clinical outcome of acutely ill and injured patient coming to emergency at a Tertiary Care Hospital in Jodhpur

Membership/Post in Journal or Society or Association

1. Join Secretary: [Pediatric Emergency Medicine Chapter, IAP]
2. Member; Indian Academy of Pediatrics
3. Member; International Pediatrics simulation society

4. Member; PediSTARS

National/ International Conferences attended:

1. International Pediatric simulation symposia and workshop. IPSS, 2021 Virtual
17-19 September 2021
2. EPICON - WACEM (World Academic college of emergency Medicine) – 2021 Virtual 10-19 December 2021
3. Point of care Quality Improvement (POCQI) by WHO- September 25-26 2021.

Name of Faculty : Dr. Manisha Jhirwal
Designation : Assistant Professor
Department : Trauma & Emergency (OBG)

Papers Presented:

1. Jhirwal M. et al Fetomaternal outcome in pregnancies complicated by Intrahepatic cholestasis. NARCHIDELCON August 2021; Association of Obstetricians & Gynecologists of Delhi ,2021
2. Paper presentation IN 27th NARCHIDELCON 2021 on 27,28,29 August 2021.

Workshops/ Conferences Organized

1. Virtual CME – What's new in ART. 28th Sept 2021, AIIMS Jodhpur.
2. VIA training of medical officers. (Multiple times in 2021 & 2022) .
3. Took a Lecture and conducted hands on workshop

Resource Faculty:

1. Virtual CME – What's new in ART. 28th Sept 2021, AIIMS Jodhpur.
2. VIA training of medical officers. (Multiple times in 2021 & 2022)
3. Took a Lecture and conducted hands on workshop.

Research Project:

Ongoing:

As Principal Investigator

1. Correlation of maternal and fetal serum Orexin A level with insulin resistance in GDM patients.
2. Cervical bacterial colonisation in preterm premature rupture of membrane and its effect on fetomaternal outcome

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.
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.
3. Comparison of cervico-vaginal microflora in infertile vs asymptomatic healthy parous women- A case control study.

4. Maternal and neonatal outcome and multidisciplinary management of Placenta Accreta Spectrum (PAS) within a single tertiary centre.
5. Prenatal diagnosis of Non-immune Hydrops Fetalis and their perinatal outcome- single centre experience.
6. Laparoscopic Neo-Vaginoplasty: Single Centre Experience
7. Surgical and Pathologic outcomes of Laparoscopic Pelvic Lymph Node Dissection for Female Genital Tract Malignancies
8. To evaluate the accuracy of hysterosalpingography (HSG) in predicting tubal blockage in infertile patients.
9. Level of complacency on both ends in a telemedicine clinic.

Completed:

As Principal Investigator

1. Understanding and awareness about COVID 19 in pregnant women: A questionnaire based study.
2. Maternal and perinatal outcome in intra-hepatic cholestasis of pregnancy.

As Co-Investigator

1. Is QF-PCR, for prenatal diagnosis of chromosomal abnormalities in amniotic fluid samples, a substitute for conventional Karyotyping or Is it complementary- A comparative analysis.
2. Retrospective analyses of primary debulking and interval debulking surgery in cases of Carcinoma Ovary.

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 Stillbirth society of India
7. Reviewer in Journal of Obstetrics and Gynaecology
8. Reviewer in World Journal of Surgical Oncology

National/ International Conferences attended:

1. Understanding & prediction of risk of hypertensive disorders of pregnancy on 23rd June 2021 organized by SFM.
2. 27th NARCHIDELCON 2021 on 27,28,29 August 2021
3. Recurrent IVF failure on 27th Aug 2021 organized by IFS Haryana chapter
4. Autoimmune disorders in RPL on 30th Aug 2021 organized by Society of fetal medicine
5. Stillbirth: A practitioner's guide- Webinar organized by Raipur obstetrics & gynecology society on 8th December 2021.
6. Tubal factor infertility on 27th Nov 2021 organized by IFS.
7. International conference on reproductive medicine on 4th, 5th , 6th Feb 2022.
8. Recurrent Pregnancy Loss webinar on 21st Feb 2022 organized by AOGD
9. Completed Basic IVF certified course organized by Madhudeep IVF center on 2nd July to 15th July 2021.

10. Completed Basic critical care obstetrics certified course organized by Delhi Gynae forum and VMMC & Safdarjung hospital on 30th March 2022 to 1st June 2022.

Name of Faculty : Dr. Amit Kumar Rohila
Designation : Assistant Professor
Department : Trauma & Emergency (Medicine)

Invited speaker

1. WACEM 2021: An Unusual Case of Siblings Presented with Descending Paralysis and Respiratory Distress – Snake Envenomation?

Research Projects

Ongoing

As Co-Investigator:

1. Treatment optimization for blood pressure with Single-Pill combinations in India trial (TOPSPIN)
2. Validation study of Ballistocardiograph for Evaluation of Left ventricular function.
3. Strengthening the Immediate Care of Critically Ill Patients in Emergency Department Through Quality Improvement Project.

National/ International conferences attended:

1. MYCOCON 2021 26TH – 28TH March 2021 – Online Mode
2. CIDS Jodhpur chapter and AIIMS Jodhpur, Webinar "Tuberculosis – Difficulties in diagnosis and treatment" 7th August 2021
3. ACLS/BLS (Workshop) at AIIMS Jodhpur (Physical Mode) – 26th – 28th August 2021
4. SEPSICON 2021 online Conference – 11th and 12th September.
5. World Academic Council of Emergency Medicine 2021 (WACEM 2021) as a speaker- 10th to 18th December 2021. (Online Mode). (f) National Emergency Medicine Board Review of India Course (NEMBRIC) 2022- 25th to 29TH March 2022. (Physical Mode).

Department of Urology

S. No.	Name	Designation
1.	Dr. A. S. Sandhu	Professor & Head
2.	Dr. Gautam Ram Choudhary	Associate Professor
3.	Dr. Mahendra Singh	Associate Professor
4.	Dr. Rahul Jena	Assistant Professor
5.	Dr. Deepak Prakash Bhirud	Assistant Professor
6.	Dr. Rahul Jena	Assistant Professor

About the Department

The Department of Urology was started on 27 April 2016. It offers up-to-date facilities for the comprehensive management of all major urological disorders including uro-oncology, reconstructive and renal transplant surgeries. Comprehensive medical education and various programs of clinical and basic research are an integral part of the departmental curriculum. The department has five permanent faculty members and all have their areas of interest. After the COVID restrictions were lifted the renal transplant program was restarted under the guidance of Dr. A. S. Sandhu (Prof. & Head, Urology, AIIMS, Jodhpur) and the mentorship of SGPGIMS (Sanjay Gandhi Post Graduate Institute of Medical Sciences), Lucknow. Recently four renal transplants have been performed with satisfactory results. More than 250 robot assisted Urological surgeries have been done so far. With the addition of bipolar TURP and TUEB instruments, the department is fully equipped to provide comprehensive urological care for all complex urological diseases. The faculty members are involved in research projects and present papers in national & international conferences. Their research work has been published in peer reviewed journals. The department had the opportunity to organize the cadaveric multi-organ retrieval workshop on 26 March 2022 at AIIMS Jodhpur. The first batch of MCh residents successfully completed their residency in July 2021. The department currently has nine academic senior residents (intake of two per session). The Department is committed to provide high quality emergency and elective services.

Compiled list of Publications of the department:

Papers

Pubmed Indexed:

1. Gupta P, Choudhary GR, Pandey H, Madduri VKS, Singh M, Pallagani L. Air versus contrast pyelogram for initial puncture access in percutaneous nephrolithotomy: a randomized controlled trial. Urolithiasis. 2021 June;49(3):261-267. doi: 10.1007/s00240-020-01222-6. PMID: 33159536.
2. Pallagani L, Choudhary GR, Pandey H, Sarma Madduri, VK, Singh M, Gupta P, Shrivastava N, Baid G, Rao M, Nalwa A, Pareek P, Misra S. 2021. Epidemiology and Clinicopathological Profile of Renal Cell Carcinoma: A Review from Tertiary Care Referral Centre. J Kidney Cancer VHL. 2021; 8(1)1-6.
3. Bharti JN, Choudhary GR, Madduri VK, Yadav T. Mucinous tubular and spindle cell carcinoma: A difficult diagnosis. Urol Ann. 2021 Jun 28; 13:180-2.
4. COVIDSurg Collaborative, GlobalSurg Collaborative. SARS-CoV-2 vaccination modelling for safe surgery to save lives: data from an international prospective cohort study. Br J Surg. 2021 Sep 27;108(9):1056-1063.

5. COVIDSurg Collaborative, GlobalSurg Collaborative. Timing of surgery following SARS-CoV-2 infection: an international prospective cohort study. Anaesthesia. 2021 Jun;76(6):748-758.
6. Yadav K, Sureka B, Elhence P, Choudhary GR, Pandey H, Garg PK, Yadav T, Khera PS. Can combined multiparametric magnetic resonance imaging of the prostate and prostate-specific antigen density improve the detection of clinically significant prostate cancer: A prospective single-center cross-sectional study. J Cancer Res Ther. 2021 Apr-Jun;17(2):372-378. doi: 10.4103/jcrt.JCRT_216_20. PMID: 34121679.
7. Yadav K, Sureka B, Elhence P, Choudhary GR, Pandey H. Pitfalls in Prostate Cancer Magnetic Resonance Imaging. Ind J Med Paediatr Oncol 2021; 42:80–88.
8. Rahul R, Shrivastava N, Sharma AP, Choudhary GR, Srivastava A. The Adequacy of pelvic lymphadenectomy during radical cystectomy for carcinoma urinary bladder: A narrative review of literature. Frontiers in Surgery 2021;8: 203. DOI=10.3389/fsurg.2021.687636
9. Choudhary GR, Aggarwal A, Jain V, Jena R. COVID-19 and fatal renal mucormycosis: Contributory or coincidental? Indian J Urol 2021;37 (3):270-73
10. Bora GS, Choudhary GR, Madduri VKS, Nayak B, Singh UP, Prakash G and Kumar R. National database of urological malignancies: The vision and road ahead. Indian J Urol 2021;37(3): 207-9
11. COVIDSurg Collaborative; GlobalSurg Collaborative. Effects of pre-operative isolation on postoperative pulmonary complications after elective surgery: an international prospective cohort study. Anaesthesia. 2021 Nov;76(11):1454-1464.
12. COVIDSurg Collaborative; GlobalSurg Collaborative. SARS-CoV-2 infection and venous thromboembolism after surgery: an international prospective cohort study. Anaesthesia. 2022 Jan;77(1):28-39.
13. Choudhary GR, Jena R, Likhiteswer, P. et al. Patient REnal and Tumor Attribute Score (PRETA Score): a comprehensive renal nephrometry score for use in patients with renal masses planned for minimally invasive nephron sparing surgery. J Robotic Surg (2022). https://doi.org/10.1007/s11701-022-01389-7
14. Prateek G, Himanshu P, Mahendra S, Suresh G, Sarma MVK, Chaudhary GR, Pritesh J, Aaron J. Functional and aesthetic outcome after ventral spatulation of urethra in partial penectomy. Urologia. 2021 May 3:3915603211013170.
15. Jena R, Arya A, Madhavan K, Lal H, Yadav P, Ansari MS. Obstructive Index in antenatal unilateral pelviureteric junction obstruction: A novel predictor of failure of conservative management. Pediatrics International. 2021 Aug 30.
16. Jena R, Narain TA, Singh UP, Srivastava A. Role of positron emission tomography/computed tomography in the evaluation of renal cell carcinoma. Indian J Urol 2021;37. doi. 10.4103/iju.IJU_268_20
17. Kakoti S, Jena R, Sureka SK, Srivastava A, Mandhani A, Singh UP. Experience with management of renal cell carcinoma with inferior vena cava/right atrial tumor thrombus. Indian Journal of Urology. 2021 Jul 1;37(3):234.
18. Madduri VK, Jena R, Baid G, Choudhary GR, Sandhu AS. Renal mucormycosis presenting during the COVID-19 pandemic: A series of 11 cases from a tertiary care center in India. Indian Journal of Urology. 2022 Apr 1;38(2):115.
19. Jena R, Singh UP, Lal H, Chaudhary N. Radical cystoprostatectomy with orthotopic neobladder for a case of treatment emergent neuroendocrine prostate cancer presenting as bladder mass with hematuria- A rare instance of tumor remission after local control, Asian Journal of Urology.
20. Jena R, Sureka SK, Singh UP. Upper tract transitional cell carcinoma clinically mimicking inflammatory renal pathology: a report of three cases. Indian J Urol 2021 Apr ;37.

21. Bhirud DP, Mittal AM, Kumar S, Narain TA, Kishore S, Navriya SC et al. When avoid a restaging procedure for non-muscle invasive bladder cancer? Inferences from a tertiary care center. IJOSO. Published online-18 March 2022.doi.org/10.1007/s13193-022-01516-8

Non-Pubmed Indexed:

1. Choudhary GR, Jain P, Pandey H, Vijay Madduri VKS, Singh M, Gupta P, Goyal S, Tak V, Nag VL. Frequency and antibiotic susceptibility of pathogens from cases of urinary tract infection: A Prospective Observational Study. J lab Physician. DOI: 10.1055/s-0042-1742419
2. Singh M, Pandey H, Gupta P, Choudhary GR, Tyagi V, et al. Impact of COVID-19 outbreak on urology practice in India. Arch Surg Clin Res. 2021; 5: 011-019. DOI: 10.29328/journal.ascr.1001059

Workshops/ Conferences Organized:

1. Cadaveric multiorgan retrieval workshop was organised on 26 March 2022 at AIIMS Jodhpur. Dr AS Sandhu and Dr Chaudhary GR were the operating faculty for cadaver kidney retrieval and Dr Mahendra Singh was the moderator. Heart and liver harvesting was demonstrated by eminent external faculty. The scientific and practical content of the workshop was appreciated by all the attendees.

Eminent Visitors:

1. Dr. Mahendra Bhandari, Senior Bio-scientist and Director of Robotic Surgery Research & Education at the Vattikuti Urology Institute (VUI) in Detroit, USA
2. Dr. Aneesh Shrivastava, Prof and Head, Urology, SGPGI, Lucknow.
3. Dr. Uday Pratap Singh, Additional Professor, Urology, SGPGI, Lucknow.

Name of Faculty: Dr. A S Sandhu
Designation: Professor & Head

Symposium Speaker

1. Cadaveric multiorgan retrieval workshop on 26 March 2022 at AIIMS Jodhpur

Resource Faculty:

1. Cadaveric multiorgan retrieval workshop on 26 March 2022 at AIIMS Jodhpur

Research Project:

Ongoing:

As Principal Investigator

1. Genitourinary fistula: to study the epidemiology, etiology and management of this underestimated entity in India. Are we still in the era of a developing country? Tertiary care Institute experience. (Research project - principal worker)

As Co-Investigator

1. Transurethral resection and single instillation intravesical chemotherapy evaluation in bladder cancer treatment (RESECT)
2. Renal mucormycosis presenting during COVID-19 pandemic: Analysis of clinical Features, natural history and prognostic markers
3. Prospective study to detect antibiotic susceptibility from urine samples in patients with urinary tract infection using auto- fluroescence imaging technique: a pilot study
4. 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)

Name of Faculty: Dr. Gautam Ram Choudhary
Designation: Associate Professor

Papers Presented

1. Renal transplantation: Expanding donors' indications, optimizing recipients' outcomes: 36th Annual EAU Congress (EAU21)
2. Complexities in annotating surgical videos to build supervised deep learning models for laparoscopic live donor nephrectomy: Moderated Poster at the Annual Meeting of the American Urological Association (AUA 21)

Sessions Chaired

1. Webinar YOU (Youth organization of Urology) under the aegis of The Urological Society of India: complex renal tumors, 3rd July 2021, Jodhpur
2. 2nd Knowledge series for Genitourinary cancers - Year in Review 2020 -: renal masses, 25th and 26th June 2021
3. Executive Program in Public Health Policy, Leadership & Management by AIIMS Jodhpur - January 2022 session

Symposium Speaker

1. Faculty cum Speaker for The North Zone Chapter of Urological Society of India the 31st NZUSICON 2021 on 17-19 December, 2021. (1) Best article review session- Systematic Biopsy of the Prostate can Be Omitted in Men with PI-RADS™ 5 and Prostate Specific Antigen Density Greater than 15%. Journal of Urology Aug 21. (2) Rationalizing the use of Zoledronic acid in prostate cancer?
2. Faculty cum speaker for International Update on the recent advances in Uro-oncology on 27th June 2021: Role of molecular markers in therapeutic decision making
3. Faculty cum speaker for USI-YOU, the Second Youth Conclave in a hybrid format on September 4th and 5th, 2021: Carcinoma penis - Flap Necrosis: How to avoid and treat?
4. Faculty cum speaker at 55th annual conference of Urological society of India (USI) USICON 22 on 27-29 January 2022: Energy devises for Laparoscopic & Robotic surgeries

Resource Faculty:

1. Organizing member of cadaveric multiorgan retrieval workshop on 26 March 2022 at AIIMS Jodhpur

Research Project:

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
4. 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: multi-institutional study

As Co-Investigator

1. Renal mucormycosis presenting during COVID-19 pandemic: Analysis of clinical features, natural history and prognostic markers.

Membership/Post in Journal or Society or Association

1. Indian Journal of Urology (C079)
2. European Association of Urology: (EAU-106823)
3. Urological Association of Asia (UAA): (01339-1-07)
4. Global Society of Rare Genitourinary Tumors
5. SIU - Société Internationale d'Urologie

National/ International Conferences attended:

1. 36th annual European Association of Urology (EAU 2021) on 9-12 July 2021 [Online]

Name of Faculty: Dr. Mahendra Singh
Designation: Associate Professor

Papers Presented:

1. Robot assisted VVF repair in previously twice failed surgery. Baid G, Madduri VKS, Choudhary GR, Singh M, Jena R, Bhirud DP, Sandhu AS (video presentation NZUSICON 2021).
2. Robot assisted urinary bladder and ureteric reconstructive surgeries for benign disease. Shrivastava N, Jain P, Choudhary GR, Madduri VKS, Pandey H, Singh M, Sandhu AS (podium presentation USICON 2022).

3. Renal transplantation: Expanding donors' indications, optimizing recipients' outcomes: 36th Annual EAU Congress (EAU21) 8-12 July 2021
4. Complexities in annotating surgical videos to build supervised deep learning models for laparoscopic live donor nephrectomy: Moderated Poster at the Annual Meeting of the American Urological Association (AUA 21) September 10-13.

Resource Faculty:

1. Cadaveric multiorgan retrieval workshop on 26 March 2022 at AIIMS Jodhpur

Research Project:

Ongoing:

As Principal Investigator

1. Factors predicting renal function recovery, post urinary diversion in patients with acute obstructive uropathy.
2. 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. 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.
2. Comparison of monoplanar Vs biplanar access techniques in treatment of renal stones with standard percutaneous nephrolithotomy.
3. Prospective study to detect antibiotic susceptibility from urine sample in patients with urinary tract infection using auto-fluoresence imaging technique: a pilot study
4. Renal mucormycosis presenting during COVID-19 pandemic: Analysis of clinical features, natural history and prognostic markers.
5. Transurethral resection and single instillation intravesical chemotherapy evaluation in bladder cancer treatment (RESECT)

Membership/Post in Journal or Society or Association

1. Member Urological society of India (USI)(S679)
2. Member North Zone Urological Society of India (NZ-USI)
3. Member Royal Urological Society
4. Member Indian Society of Reconstructive Urology

National/ International Conferences attended:

1. Attended The North Zone Chapter of Urological Society of India the 31st NZUSICON 2021 on 17-19 December, 2021.
2. Attended The 55th annual conference of Urological Society of India (USI) USICON 22 on 27-29 January 2022: Energy devices for Laparoscopic & Robotic surgeries

Name of Faculty: Dr. Rahul Jena
Designation: Assistant Professor

Books/Chapters

1. Mini PCNL in Horseshoe, transplant and polycystic kidneys, Chapter 27 in the book Mini Percutaneous Nephrolithotomy published by Springer Publications, March 2022.

Papers Presented

1. PRETA score for minimally invasive partially nephrectomy – RGCON, New Delhi April 2022
2. Renal mucormycosis and COVID 19 pandemic – USICON 2022

Symposium Speaker

1. Invited speaker in Virtual Tumor Board on Prostate cancer on 30.10.2021 and 22.01.22 organized under the aegis of SOGO

Research Project:

Ongoing:

As Co-Investigator

1. Association of Long noncoding RNA's and characterization of cancer stem cell for response prediction of anticancer of anti-cancer therapy in metastatic prostate cancer.
2. To investigate the efficacy of anticancer drugs with herbal combination in a rat model of prostate cancer.
3. COmParison of FDG PET-CT with conventional imaging in the staging of high-risk Renal cancers and Transitional cell carcinoma of bladder (COPPER-T): A prospective randomized controlled trial.

Scientific Awards/Patents

1. Was awarded the Urological association of Asia – European Association of Urology Young Urologist Fellowship for the year 2021
2. Was awarded observing clinical fellowship to Baptist Health, Miami, Florida under Prof. Murugesan Manoharan in Uro-oncology in 2021.

Membership/Post in Journal or Society or Association

1. Member of the Urological Association of Asia.
2. Member of the Royal Urological Society Rajasthan.
3. Member of YOU, the youth wing of Urological Society of India
4. Peer reviewer in Indian Journal of Urology and BMJ Case reports.
5. Member of Urological Society of India
6. Member of EAU.
7. Member of American Urology Association.
8. Member of Societe Internationale d' Urologie

National/ International Conferences attended:

1. Attended 36th Annual conference of European Association of Urology (EAU 2021) from 9-12th July 2021

Name of Faculty: Dr. Deepak Prakash Bhirud
Designation: Assistant Professor

Papers Presented

1. Video presentation- Robot assisted laparoscopic vesico vaginal fistula repair in a previously twice failed vesico vaginal fistula- challenges and lessons. Gaurav Baid, Vijay Kumar Sarma Madduri, Gautam Ram Choudhary, Mahendra Singh, Rahul Jena, Deepak Prakash bhirud, AS Sandhu, NZUSICON- 17-19 Dec 2021

Research Project:

Ongoing:

As Co-Investigator

1. 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

Membership/Post in Journal or Society or Association

1. Member Urological society of India (USI)
2. Member North Zone Urological Society of India (NZ-USI)

Department of Hospital Administration

S.No.	Name	Designation
1	Dr Ruchi Garg	Assistant Professor

About the Department

The Department of Hospital Administration was established on 2021 in AIIMS Jodhpur. Since the establishment of the department, the department has been instrumental in taking the lead role in various hospital activities, like Digitalization of Medical records, Formulation of Narcotics policy, Streamlining of Ayushman Bharat and activities related to Swachhata Mission under the Kayakalp initiative.

The department has started various projects like Clean Green Safe AIIMS, and plastic free AIIMS campaign. The department constantly provides its support in operational management of support and utilities services in the hospital.

Special training programmes have been conducted on for soft skills training for various staffs, cleaning methodology and disinfection for attendants, IEC for patients and relatives by the department in the year 2021-22.

Compiled list of Publications of the department

Papers

Pubmed Indexed:

1. Siddharth V, Singh AR, Sharma DK, Satpathy S, Kaushal VK, Lathwal A, Sain A, Misra S, Kausar M, Garg R. National guidelines for sanitation services: Addressing the unmet need of standardizing cleaning practices in tertiary care public health facilities of a developing country. J Family Med Prim Care. 2021 Sep;10(9):3475-3480. doi: 10.4103/jfmpc.jfmpc_1614_20. Epub 2021 Sep 30. PMID: 34760776; PMCID: PMC8565115.
2. Application of lean management after audit of MRD in a COVID19 dedicated center during the COVID pandemic, Medical Journal Armed Forces India,

Workshops/ Conferences Organized

1. Hospital waste segregation and management
2. Workshop of supervisors on half yearly skill up gradation and orientation to kayakalp guidelines
3. Workshop on Infection control and needle stick injuries
4. Workshop on Communications and Soft skills when dealing with patients
5. Workshop on Hand Hygiene practices at AIIMS Jodhpur

Any other information:

A summary of the activities of the Department of Hospital Administration for the year 2021-22 is as follows

1. Dr Ruchi Garg is functioning as a Nodal Officer for Kayakalp at AIIMS Jodhpur
2. Clean, Green and Safe AIIMS initiative was started by the department which is an umbrella initiative for various activities pertaining to making AIIMS safe for patients and staff.
3. Plastic free AIIMS initiative was started by the department during the Swatchta Pakhwada.

4. The department has developed Narcotics Policy for the institute
5. The department has developed Uniform Dress Code Policy for all of the staff working various patient care areas of the institute
6. The department under Mission Kayakalp and Safe Clean and Green AIIMS initiative had completed uniform signages of Hospital. Also Stack diagrams of IPD/ OPD and Emergency were developed and displayed on public information kiosks as part of IEC (Information Education and Communication) for patients
7. The department has developed Grievance Policy/ Feedback Policy and performs a monthly scoring and analysis of satisfaction / feedback of IPD / OPD patients.
8. Dr Ruchi Garg is designated APIO for RTI (Hospital wing)
9. The department had conceptualized the MRD Digitalization initiative. Tenders were prepared by the department and the department is now planning for a paperless and digital AIIMS initiative.
10. The department performed need assessment of the wheelchairs and also prepared specifications for the procurement (specification preparation and procurement)
11. Similarly the department has prepared specifications for E-carts for hospital waste disposal and patient trolleys (specification preparation and procurement)
12. Dr Ruchi Garg is a member of the committee for Ayushman Counter in IPD waiting hall, Phlebotomy wing expansion and ASHAA (AIIMS Jodhpur Scheme for Health and Assistance account).
13. Dr Ruchi Garg is a member of Document Verification Committees (for recruitment) at AIIMS Jodhpur
14. Dr Ruchi Garg Conducted Peer Assessment for Kayakalp at AIIMS, Raipur
15. The department has started the Compost Pit at AIIMS Jodhpur under Clean, Green and Safe AIIMS initiative.
16. The department is providing teaching and hands on training to IIPH Gandhinagar (Public Health Foundation of India) students / MPH (AIIMS Jodhpur) students during their observer ship at AIIMS Jodhpur.
17. The department is regularly providing training and orientation on communication and soft skills to contractual employees of AIIMS Jodhpur
18. Dr Ruchi Garg delivered Lectures and was part of the orientation program for interns.
19. Dr Ruchi Garg also provided orientation for staff / patients on menstrual hygiene
20. The department of Hospital Administration has been part of various inspections like Kayakalp and Swatchta Pakhwada, where the department had handled the physical inspection and answered various queries of the external experts.

Research Project:

Ongoing:

As Principal Investigator

1. Proposal for developing a herbal park (Ministry of AYUSH) - An extra mural funded project
2. Understanding awareness' and challenges faced by the healthcare workers in implementing the PMJAY at AIIMS Jodhpur
3. Cost Analysis of Setting Up of a Positron Emission Tomography (Pet Scan) In A Tertiary Care Teaching Hospital in North India.
4. Process flow of patients in Department of Trauma and Emergency and evaluation of turnaround times

Completed:

As Principal Investigator

1. Audit of facility management of a tertiary healthcare setup with special emphasis on differently abled people in comparison to the national guidelines (Non Funded)
2. Application Of Lean Management After Audit in Medical Records Department of a Tertiary Care Health Care Institution (Non Funded)
3. Analysis of feedback of private wards patients: Missing Links in Patient satisfaction in services at tertiary care public hospital (Non Funded)

Examiner ship

1. Moderation of Exam Paper for Hospital and public health management curriculum for Hospital manager's cadre at MPPSC (Madhya Pradesh Public Service Commission)
2. External Examiner - Masters of Hospital Administration at Era medical college, Lucknow

Lectures

1. Presented Lectures in MDP/FDP conducted by IIHMR University, Jaipur
2. The department has taken six lectures at IIHMR University, Jaipur , the topics of lectures were
3. Clinical Establishment Act 2010 and Healthcare Obligations
4. Violence against Doctors – Precaution and Prevention
5. Patient Safety and Quality issues under Law
6. Medico-Legal Documentation in Healthcare Practice (PHC/CHC)
7. Medico-Legal Case report (Obligation of hospital, Doctor and Nurse etc.)
8. Confidentiality and privacy of patient (Rights and Duties)

College of Nursing

S. No	Name	Designation
1	Prof Suresh Kumar Sharma	Professor & Principal
2	Dr Ashok Kumar	Associate Professor
3	Dr Mukesh Chandra Sharma	Associate Professor
4	Himanshu Vyas	Associate Professor
5	Gomathi A.	Associate Professor
6	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	Joyce Joseph	Tutor/Clinical Instructor
14	Nancy Kurien	Tutor/Clinical Instructor
15	Shrikant K Nair	Tutor/Clinical Instructor
16	Anoop Sharma	Tutor/Clinical Instructor
17	Sanjay Sevak	Tutor/Clinical Instructor
18	Asif Khan	Tutor/Clinical Instructor
19	Rishi Dutt Avasthi	Tutor/Clinical Instructor
20	Hanuman Ram Bishnoi	Tutor/Clinical Instructor
21	Irasangappa Mudakavi	Tutor/Clinical Instructor
22	Natwarlal Patidar	Tutor/Clinical Instructor
23	Satyaveer	Tutor/Clinical Instructor
24	Neetu Tripathi	Tutor/Clinical Instructor
25	Dr Vikas Choudhary	Tutor/Clinical Instructor
26	Anant Chandrakant Chopade	Tutor/Clinical Instructor
27	P Gangadevi	Tutor/Clinical Instructor
28	Raghu V.A.	Tutor/Clinical Instructor
29	Moirangthem Sonia	Tutor/Clinical Instructor
30	Dr Arti	Tutor/Clinical Instructor
31	SK Mohanasundari	Tutor/Clinical Instructor
32	Dr Deviga T	Tutor/Clinical Instructor

S. No	Name	Designation
33	Sabari Vel	Tutor/Clinical Instructor
34	Minakshi Shayar	Tutor/Clinical Instructor
35	Gaikwad Deepali Joseph	Tutor/Clinical Instructor
36	Arvind	Tutor/Clinical Instructor
37	Jaishri	Tutor/Clinical Instructor
38	Manish Kumar Balai	Tutor/Clinical Instructor
39	Dr A Latha	Tutor/Clinical Instructor
40	Khina Sharma	Tutor/Clinical Instructor
41	Hemlata	Tutor/Clinical Instructor
42	Priya Sharma	Tutor/Clinical Instructor
43	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. Many short term certificate courses such as Faculty development program for nursing professionals and Nurse Management and leadership program have been approved by academic and staff council. Nurse's upskilling program has been initiated in October 2021.

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. Furthermore, rigorous diversified clinical and filed training placement of nursing students make them confident and competent budding nurses.

Activities throughout year:

Digitalization of Education: Virtual teaching and learning took front seat during COVID-19 pandemic. New teaching methodologies were adopted by teaching faculty so as to make various concepts easily understandable to students

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.

School health camp: M.Sc. community health nursing and B.Sc. 4th year students conducted school health program at Ruparam Public School, Keru from 24.11.2021 to 25.11.2021. About 250 school children were benefited from this event. MSc Pediatric nursing and community health nursing students conducted a school health assessment on 14.03.2022 at Canvas Public School at Pratap Nagar, Jodhpur.




School Health Camp

Celebrating health days: College of Nursing celebrated health days with an aim to make people aware about respective health issue and take proactive steps towards good health.

World Diabetes day awareness: Under supervision of faculty of Community Health Nursing, health Mela was organized in CHC Keru on 15 November 2021 by M.Sc. community health nursing and B.Sc. (Hon) Nursing 4th-year students on the theme of "Access to Diabetic Care. People were made aware about prevention and control of diabetes through poster exhibition and puppet show. Around 65 adults were screened for type 2 DM at diabetic screening camp. Patient self-efficacy development program and poster exhibition on World Diabetes day 2021 was organized by Medical Surgical Nursing team and students at OPD block of AIIMS Jodhpur.




World Diabetes Day Observed, 15 November 2021

Newborn week celebration: Newborn Week (Theme: care of healthy and sick Newborn) was celebrated by team Pediatric Nursing, College of Nursing, AIIMS, Jodhpur from 15-21st November-2021, wherein various activities such as workshop, slogan competition and quiz competition were organized for both nursing officers and nursing students. A role play was performed by BSc (Hon) Nursing 3rd Year students on Theme: Newborn care myths followed by posters exhibition on Theme: Antenatal care, newborn care and newborn care action plans.



New Born Week Celebration



Quiz related to New born care

Spreading awareness related to mental health: Consider vitality of mental health issues, prevention and control various activities were conducted by students under supervision of faculty of Psychiatric Nursing. Mental health week was celebrated from 4.10.21 to 10.10.2021. World Suicide Prevention Day celebration was carried out on 10.09.2021. Public awareness program was organized on occasion of world Alzheimer's day 21.09.2021 and World bipolar day- 30.03.2022.



Mental Health camp during Mental Health week at Balotra Distt. Barmer on



Role by B.Sc. (Hons) Nursing students World Alzheimer's day

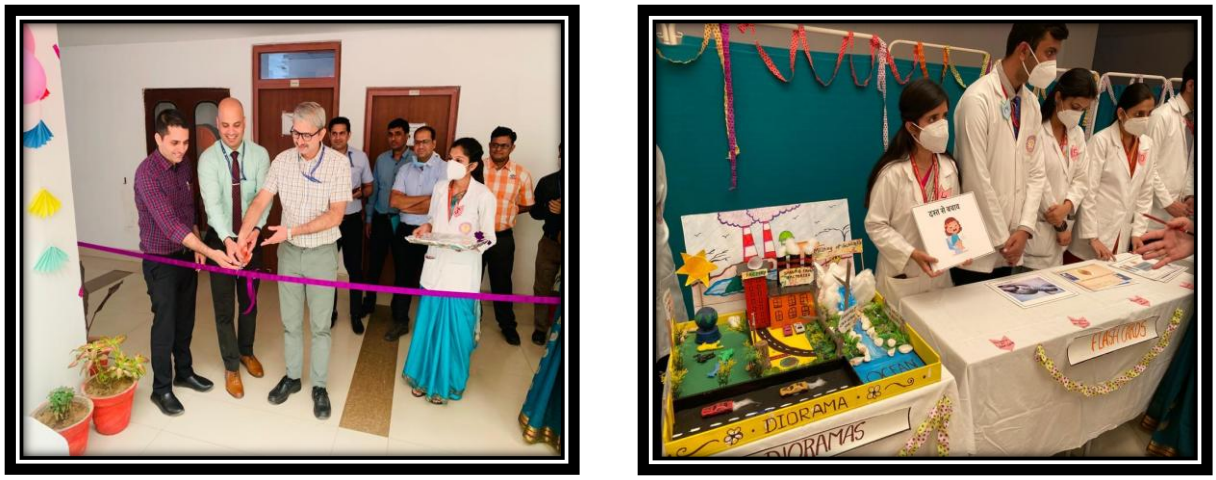
Breast cancer awareness program: Public awareness program on Breast Cancer in OBG OPD on the theme buddying up with one another because no one should fight cancer alone was organized on 21st October 2021 under guidance of OBG Nursing faculty. A role play on and a poster exhibition was organized in the Obstetrics and Gynecology OPD of the Institution.



Breast Cancer Awareness Program, 21st Oct, 2021

In-service education program: An in-service education program for community health workers (ASHA, Covid health assistant, LHV, and VHN) was carried out on 11 .02. 2022 at Community health center, Keru on the topic of OMICRON.

AV aid Exhibition: M.Sc. Nursing first year students prepared and exhibited various AV aid on 23/03/2022 at College of Nursing, AIIMS, Jodhpur under the coordination of Dr. Mukesh Chandra Sharma and Mr. Sanjay Sevak.



AV Aid exhibition by MSc Nursing 1st year students

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.

Workshop/Conferences organized:

1. Panel discussion on World Health Day (Theme- Building a Fairer, Healthier World). Organized by Faculty of Community Health Nursing, College of Nursing, 7th April 2021
2. E-Symposium on Nursing Education during Pandemic. Organized by Faculty of Psychiatric Nursing, College of Nursing, 24th April 2021.
3. Nurses Up-skilling in NCDs as an Indo-Sweden Health Innovation Project, AIIMS Jodhpur, 2nd Oct 2021.
4. First Advanced Trauma Course for Nurses (ATCN) Providers Course, AIIMS Jodhpur, 11-12th Nov 2021.
5. Workshop on making breastfeeding difficult to easy task. Organized by Faculty of Pediatric Nursing, College of Nursing on 15th November 2021.
6. A patient self-efficacy program and post exhibition was organized on World Diabetes Day by Faculty of Medical Surgical Nursing, College of Nursing, on 15th Nov, 2021.
7. Panel discussion on World AIDS day (Theme: End inequalities. End AIDS). Organized by Faculty of Medical Surgical Nursing, College of Nursing, 1st Dec 2021.
8. International virtual conference SPNCON-2022. Organized by College of Nursing, AIIMS Jodhpur, 24th-25th March 2022.



Flag off of Nurses Up-skilling in NCDs in collaboration with
India-Sweden Healthcare Innovation Centre, Oct 2021



Breast Feeding Workshop for Mother, 15th Nov, 2021

Report on SPNCON 2022

An international virtual conference SPNCON 2022 was organized by College of Nursing, AIIMS Jodhpur on 24th and 25th of March, 2022. The conference was conducted under the aegis of society of perioperative nurses, India and International federation of perioperative nurses. The theme for the conference SPNCON-2022 held, "Pandemic and Perioperative Nursing Practice". The inaugural ceremony of conference was honored by the presence of chief guest Dr. Kuldeep Singh, Dean (academics), AIIMS Jodhpur, Prof Suresh K. Sharma, President, Society of perioperative Nurses, India and Organizing chairperson SPNCON-2022. The organizing co-chairperson of the conference was Dr. Ashok Kumar, Associate Professor, College of Nursing and CNO, AIIMS Jodhpur. The organizing secretary of the conference was Mr. Nipin Kalal, Assistant Professor, College of Nursing and Deputy Nursing Suptd. AIIMS Jodhpur. The sessions of the conference was resourced by many international and national faculties. Overall this academic fair was an enlightening, thought provoking and informative experience for one and all. It also provided a valuable networking opportunity and set the stage for future nursing endeavors in the field perioperative nursing. The participants of the conference were certified via the digital platform.





International Virtual Conference SPNCON-2022 (24th-25th March, 2022)

Paper

Pubmed Indexed:

1. Kalal N, Sharma SK, Soni K. Postoperative clinical nursing care pathway for patients with mucormycosis: An experience from a tertiary care hospital in Rajasthan, India. Nepal J Epidemiol. 2021; 11(4): 1095-1102. PMID: 35070469.
2. Belsiyal CX, Kalyani CV, Deol R, Sharma, SK, Mery A. Depression in hospitalized older adults with chronic illness from a hilly Indian state. Perspect Psychiatr Care, 2022 Feb: 1–9. PMID: 35148435.
3. Sharma SK, Joseph J. The paradigm of forensic nursing for nursing aspirants in India: Promises, caveats & future directions. J Forensic Leg Med, 2022 Feb; 86:102321. PMID: 35172267.
4. Sharma SK. Nurses' awareness and adherence with national ethical guidelines for research in North India. Nurs Ethics, 2022 May; 29(3): 733-41. PMID: 35142244.
5. Thakur A, Sharma R, Sharma SK, Thakur K, Jelly P. Effect of buerger allen exercise on foot perfusion among patient with diabetes mellitus: A systematic review & meta-analysis. Diabetes Metab Syndr. 2022 Feb; 16(2):102393. PMID: 35085917.
6. Sharma SK, Thakur K, Kant R, Mudgal SK. Impact of nurse-led titration versus physician prescription of hypoglycemic agents on HbA1c Level in Type 2 Diabetes Patients: A systematic review and meta-analysis of randomized controlled trials. Cureus. 2021 Dec; 13(12): e20436. PMID: 35047273.
7. Malhotra S, Negi G, Sharma SK, Kaur R. A prospective interventional study to assess the impact of a 'structured compact training' on knowledge and skills of safe blood transfusion practices among nurses working in a tertiary care institute. Transfus Med. 2021 Feb; 32(1):32-7. PMID: 34866260.
8. Mishra R, Sharma SK, Verma R, Kangra P, Dahiya P, Kumari P, Sahu P, Bhakar P, Kumawat R, Kaur R, Kaur R, Kant R. Medication adherence and quality of life among type-2 diabetes mellitus patients in India. World J Diabetes 2021; 12(10): 1740-49. PMID:34754375.
9. Dara S, Sharma SK, Kumar A, Goel AD, Jain V, Sharma MC. Awareness, Attitude, and Acceptability of Healthcare Workers About COVID-19 Vaccination in Western India. Cureus 2021 Sep;13(9): e18400. PMID:34729277.
10. Patiyal N, Kalyani V, Mishra R, Kataria N, Sharma S, Parasar A, Kumari P. Effect of Music Therapy on Pain, Anxiety, and Use of Opioids Among Patients Underwent Orthopedic Surgery: A Systematic Review and Meta-Analysis. Cureus 2021 Sep;13(9): e18377. PMID: 34725621.
11. Sharma SK, Peter PPR, Parashar AK, Arora S. Indigenous nutritional intervention for the recovery of a child with osteomyelitis: A clinical anecdote. Int J Orthop Trauma Nurs. 2022 Feb; 44:100902. PMID: 34756563.
12. Goswami G, Sharma SK, Sharma R, Rani R. Simulation and skill training facilities in nursing institutes at Uttarakhand: A cross-sectional study. Iran J Nurs Midwifery Res 2021; 26(5):449-54. PMID: 34703785.
13. Khantwal G, Sharma SK, Rani R, Agarwal SP. Effect of Postsurgical Nurse-led Follow-ups on Quality of Life in Head-and-Neck Cancer Patients: A Pilot Randomized Controlled Trial. Asia Pac J Oncol Nurs 2021; 8:573-80. PMID: 34527788.
14. Mohanasundari S K, Raghu V A, Joseph J, Mohan R, Sharma S. Effectiveness of Flippits and Virtual Reality Therapy on Pain and Anxiety Among Children Undergoing Painful Procedures. Cureus 2001 Aug; 3(8): e17134. PMID: 34548966.
15. Joseph J, Varghese A, VR V, Dhandapani M, Grover S, Sharma S, et al. Prevalence of internet addiction among college students in the Indian setting: a systematic review and meta- analysis. Gen Psychiatr 2021 Aug; 34(4):e100496. PMID: 34504996.
16. Wakhloo T, Reddy SG, Sharma SK, Chug A, Dixit A, Thakur K. Silver diamine fluoride versus atraumatic restorative treatment in pediatric dental caries management: A systematic review and meta-analysis. J Int Soc Prevent Communit Dent 2021; 11:367-75. PMID: 34430496.

17. Mudgal SK, Sharma SK, Chaturvedi J, Chundawat DS. Effects of Health Promotion Model-Based Visual Learning Module on Self-Efficacy and Health Promotion Behavior of Stroke Survivors: A Nonrandomized Controlled Trial. J Neurosci Rural Pract. 2021 Apr; 12(2):389-97. PMID: 33927529.
18. Kodi M, Sharma SK. Realities, scope, challenges, and facilitators for implementation of nurse practitioner's role in India: A review. Int J Nurs Sci, 2021 Apr; 8(2):237-42. PMID: 33997140.
19. Kumar A, Kalal N, Rana N, Vyas H, Choudhary V, Rani R. Online learning in nursing students: Satisfaction and barriers. J Educ Health Promot 2021; 10: 411. PMID: 35071617.
20. Sharma S, Kumar A, Rana N, Panda S. Quality of Life among Patients with Epilepsy: Institutional-based Survey, Western Rajasthan, India. Annals of Indian Academy of Neurology. Forthcoming 2022.
21. Sureka B, Nag VL, Garg MK, Tak V, Banerjee M, Bishnoi A, Misra S. Rational use of PPE and preventing PPE related skin damage. J Family Med Prim Care. 2021 Apr; 10(4):1547-53. PMID: 34123890.
22. Rathore J, Pandey V, Bishnoi AK, Nair SK. Effectiveness of video assisted educational program regarding prevention of oral mucositis among patients receiving radiotherapy. Indian J Palliat Care, doi: 10.25259/IJPC_143_2021 (Pre-print)
23. Nebhinani M, Parihar A, Kumar A, Gomathi A, Nebhinani N, Rani R. COVID-19 induced anxiety and protective behaviour among nursing students: a survey from western India. J Family Med Prim care 2021; 10: 4483-8. PMID: 35280645.
24. Yadav N, Vyas H, Mamta, Goyal M. Effectiveness of prenatal lactation counselling on breastfeeding practices, breast engorgement, and new-born feeding behavior among postnatal mothers at a teaching institution. J Family Med Prim Care 2022; 11:1146-51. PMID: 35495845
25. Nebhinani N, Kuppili PP, Mamta. Feasibility and effectiveness of stress management skill training in medical students. Med J Armed Forces India 2021 (accepted). doi.org/10.1016/j.mjafi.2021.10.007.
26. Nebhinani N, Kuppili PP, Mamta. Stress, Burnout, and coping among first-year medical undergraduates. J Neurosci Rural Pract. 2021 Jul; 12(3):483-89. PMID: 34295102.
27. Sharma MC, Raghu VA, Balai MK. A cross sectional study to assess the expressed COVID-19 preventive practices among the health care workers and public visiting tertiary care hospital AIIMS Jodhpur. J Educ Health Promot 2022; 11:24. PMID: 35281390.
28. Jain V, Gupta MK, Grover M, Nare T, Srivastava S, Bhardwaj P, Goel AD, Saurabh S, Dara S, Kumar A, Sharma P. COVID-19 seropositivity among non-medical frontline office staff from two cities in Rajasthan, India. J Family Med and Prim Care. 2021 Jun 1; 10(6):2400-04. PMID: 34322445.
29. Jain V, Khan S, Ramankutty NT, Vishwakarma K, Goel AD, Saurabh S, et al. Anti-SARS-CoV-2 IgG status among frontline health workers involved in COVID-19 survey at Jodhpur, Rajasthan, India. J Family Med Prim Care 2022; 11:118-22. PMID: 35309674.

Non PubMed indexed

1. Sharma SK, Kalal N, Rani R. Clinical Practice Readiness of Nursing Graduates. Clinics Mother Child Health 2021;18:381
2. Kalal N, Kumar A, Vyas H. Strategic Utilization of Nursing Personnel during the Covid-19 Pandemic. Nurs J India. 2021 Jan-Feb; CXII(1): 45-7.
3. Yadav R, Jelly P, Sharma SK, Sharma R. Views of nurses, obstetricians and mothers regarding independent nurse practitioners: a mixed method study. J Neonatal 2021 Mar; 36(1), 32–41.
4. Patil AK, Swain SK, Sharma S, Arora RK, Sharma A, Arora P, Mittal RS. Clinical Profile and Treatment Outcome of Spinal Epidural Arachnoid Cysts: A Systematic Review of Case Studies and Reports. Indian J Neurosurg 2022; 00:1–15.

5. Jelly P, Sharma SK, Saxena V, Arora G, Sharma R. Exploration of Breastfeeding Practices in India: A Systematic Re-view. J Holist Nurs Midwifery. 2022; 32(1):58-68.
6. Aktas FO, Yavan T, Sharma SK. Impact of COVID-19 pandemic on nursing education and way forward. J Med Evid 2021; 2:169-72.
7. Punjot P, Bishnoi R, Kant R, Sharma SK. Factors associated with peripheral neuropathy among type 2 diabetes mellitus patients: A cross-sectional study. J Cardio Diabetes Metab Disord 2021; 1: 25-30.
8. Sharma SK, Rani R, Banerjee S, Mumin KH. Evolution and current scenario of doctoral nursing education in India. J Med Evid 2021; 2: 79-85.
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41. Kalal N, Rana N, Merchant M. Types of research articles and research misconduct: Book review. J Integr Health Sci 2021; 9:24-9.
42. Kalal N, Rana N. Black Fungus as an Epidemic Triggers in Covid-19 Patient's: A New Challenges in India. EC Pulmonol Respir Med. 2021;10:76-80
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Faculty: Medical Surgical Nursing

S.No.	Name of the faculty	Designation
1	Prof. Suresh K Sharma	Prof & Principal
2	Dr. Ashok Kumar	Associate professor
3	Vandna Pandey	Assistant professor
4	Nipin Kalal	Assistant professor
5	Nimarta	Assistant professor
6	Dr. Vikas Choudhary	Tutor / Clinical Instructor (Nursing)
7	Shrikant K Nair	Tutor / Clinical Instructor (Nursing)
8	Natwarlal Patidar	Tutor / Clinical Instructor (Nursing)
9	Sabari Vel	Tutor / Clinical Instructor (Nursing)
10	Gaikwad Deepali Joseph	Tutor / Clinical Instructor (Nursing)
11	Moirangthem Sonia	Tutor / Clinical Instructor (Nursing)
12	Nancy Kurien	Tutor / Clinical Instructor (Nursing)
13	P Gangadevi	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

Resource faculty

1. Course Director, 1st Advanced Trauma Course for Nurses (ATCN) Providers Course,11-12th Nov 2021, AIIMS Jodhpur
2. Organizing Chairperson, Flag-off of Nurses Up-skilling in NCDs as an Indo-Sweden Health Innovation Project, 2nd Oct 2021, AIIMS Jodhpur

Sessions Chaired:

1. 11th Annual Conference of Indian Society of Trauma and Acute Care [2021 Nov, 19 – 21], AIIMS New Delhi.

2. Key areas of perioperative practice during the COVID-19 pandemic and the importance of leadership in healthcare worker safety. 4th International & 12th National Congress of Turkish Surgical and Operating Room Nurses [2022 Jan, 13- 16], Antalya, Turkey.

Invited Lectures

1. Healing the Healers. 4th International & 12th National Congress of Turkish Surgical and Operating Room Nurses, 13-16th Jan 2022, Antalya, Turkey.
2. PhD Doctoral Nursing Education in the Post-COVID Era. INDEN Biennial Meeting: Pre-conference of Sigma Theta Tau Meeting, 5th Nov 2021, Indiana University-Purdue University Indianapolis, USA.
3. Doctoral Nursing Education in South Asia: Issues, Challenges and Way Forward; Role of INDEN in promoting doctoral nursing education in South Asia. Webinar series of The International Network for Doctoral Education in Nursing, 15 Sep 2021, University of Toledo, Ohio, USA.
4. Healing the Healers: Reflecting how important it is to look after yourself. 2021 Association of Perioperative Practices Virtual Annual Conference, 21-22 Aug 2021, The University of York, Yorkshire, UK.
5. Developing a new generation for nurse entrepreneurship. 1st International Nursing Conference, 7-8 July 2021, Kurdistan, Iraq.
6. Interdeciplinary Endocrinology- How do we ensure a fairer world for car givers and patients, Endocrine Society of India World Health Day Program on 7th April, 2021.
7. The legal implications of Nursing Practice, National e-Conference, 12 May 2021, Tripura College of Nursing, Tripura Medical College & Dr BRAM Teaching Hospital, Hapania, Tripura.
8. Future of Edocrine Nursing in India. 6th Endocine Society of India- Nursing Webinar "Future of Endocrine Nursing,12 May 2021.
9. Challenegs of nursing education in future in India. International Nurses Day-2021, 12 May 2021, Shri GH Patel School of Nursing, Bhaikaka University, Karamsad, Gujrat.
10. A vision for future nursing. 1st virtual celebration of International Nurses Day 12, May 2021,Vidyanta Skill Insttiut, New Delhi.
11. Impact of COVID-19 on Nursing Education and Way Forward. National virtual Concerence, 10th Jun 2021, Shri Guru Ram Rai University College of Nursing, Dehradun.
12. Future of Endocrine Nursing in India, International Diabetes and Endocrine Conference for Nurses, 19th Jun 2021, Coimbtore, Tamil Nadu.
13. Reviwing a randomized controlled trials. Reviwers' Training Workshop, 26th Jun 2021, Craniaofacial Research Foundation Academy and Elseviers, New Delhi.
14. OSLER: A Holistic clinical evuauation method, webinar, 22 Jun 2021, Dr MGR Educational and Research Insttiute, Chennai.
15. Qualitative Research Approaches. 1st International Webinar on Nursing Research Methodology, 26 Jun 2021, Alamdar Memorial College of Nursing and Medical Technology, Budgam, Kashmir.
16. Teaching tomorrow's Nurses and Transforming Education: The Future of Nursing Education in India. Webinar- Transforming the Nursing workforce: How to build a Fit for Future Workforce, 2 July 2021, Wolter Kluwer, New Delhi.
17. Setting-up nurse-led diabetes clinics in remote and deprived community areas 21-22 Jul 2021, Manikaka Topowala College of Nursing, Charotar University of Science and Technology, Changa, Anand, Gujrat.
18. State level webinar- Nursing Theories: Boon or Bane; application of nursing Theories in Clinical Practice, 23 Jul 2021, College of Nursing, Pandit Bhadwat Dayal Sharma University of Health Sciences, Rohatak, Haryana.

19. Nurses and cutting-edge technology, 24 Jul 2021, Department of Medical Surgical Nursing, Faculty of Nursing Sciences, SGT University, Gurgaon.
20. Pre-diabetes: an opportunity to catch before it catches you!, Endocrine Society of India, 14th Aug 2021
21. Challenges and opportunities in nursing research during pandemic. Webinar on impact of pandemic in nursing research, 18th Aug 2021, PSG College of Nursing, Coimbatore, Tamil Nadu.
22. Redefining nursing education: the road to excellence 'Revised Nursing Curriculum 9th Sep 2021, Elsevier, New Delhi.
23. Oxygen administration. Webinar- Redefining nursing education: the road to excellence, 9th Sep 2021], Elsevier, New Delhi.
24. Homebased nursing care in Dr KK's Med Talk Episode-429, 16th Sep 2021, Heart Care Foundation of India, New Delhi
25. Care of unconscious patient in ICU. Wolter Kluwer' NursingEdge web Series, 25th Oct 2021.
26. Trauma Nursing Training in India: current status and way forward. 11th Annual Conference of Indian Society of Trauma and Acute Care, 20th Nov. 2021, AIIMS, New Delhi.
27. Models of collaboration of nursing education and practice. International virtual conference on "Clinical Integration: Need of Hour, 2oth Jan 202, College of Nursing, AIIMS Bhubaneswar, Odisha.
28. Writing a research article for publication in an academic journal, National Webinar 5th Feb 20222, Khalsa College for Women, Ludhiana.
29. Current approaches to cancer pain management, 6th CNE Webinar on 'Oncology Nursing, 18th Feb 2022, Jawaharlal Institute of Postgraduate Medical Education & Research, Puducherry, India.
30. Human resource management in public health crisis, Training Program of State Disaster Management Authority, Himachal Pradesh, 24 – 26th Feb 2022, Postgraduate Institute of Medical Sciences, Chandigarh.
31. Neurosciences nursing in India: Past, present and future. 10th Annual Conference of the neurosurgical surgeon's society of India, 4 – 5th Mar 2022, All India Institute of Medical Sciences, Rishikesh.
32. Nursing education in path of globalization: promotion and challenges, International E-conference 'Building collaborative research, structured art of care & innovative nursing education, 11 – 12th Mar 2022, Symbiosis College of Nursing, Pune.

Research Project:

Ongoing:

As Principal Investigator

1. Efficacy of text messaging service for patient with type-2 diabetes to support basal insulin titration. Funded by Roche Pvt Ltd.
2. Perioperative nursing competencies in low and middle income countries: a Delphi study. The University of British Colombia, Vancouver, BC, Canada

As Co-Investigator

1. Research study on patient blood management in Rajasthan state and its impact on health economics. Funded by NHM Rajasthan.
2. Evaluation outcome of supportive care on the quality of life of cancer patients: study design and rationale. Funded by India-Sweden Innovation Center.
3. Awareness, attitude and willingness of organ donation among adult population in western Rajasthan: A cross-sectional hospital based survey.
4. Epidemiological, clinico-pathological and management pathway of patients reporting with chest pain in an emergency room of a tertiary care teaching hospital: a prospective observational study.

5. Discharge readiness and its predictors in post craniotomy patients at tertiary care teaching hospital: A cross- sectional analytical study. [Project is in process]
6. Nurses' attitude towards patient safety culture in Operation Theater: A cross sectional study.
7. Effect of repetitive m-education on hand hygiene compliance among nurses in medical surgical units at tertiary care hospitals: a quasi-experimental study.

Completed:

As Co-Investigator

1. A study to explore myths and realities about corona vaccination among general public in selected areas of Jodhpur.
2. Awareness and attitude of healthcare workers about COVID-19 vaccination in western India: An institute based descriptive study.

Scientific Awards/Patents

1. Global Nursing Leadership Institute (GNLI)-2020 Scholar at Global Nursing Leadership Institute, Geneva, Switzerland, Sep, 2021.

Examinership

1. M. Sc. Critical Care Nursing, National Institute of Nursing Education, PGIMER, Chandigarh, 9th May, 2021.
2. M. Sc. Critical Care Nursing, College of Nursing, AIIMS, Rishikesh, 12th September, 2021.

Membership/Post in Journal or Society or Association

1. Member, Editorial Board, Journal of Medical Evidence
2. Member, Editorial Advisory Board. Journal of Caring Science, Tabriz University of Medical Sciences, Tabriz, Iran
3. Peer Reviewer of Nursing and Midwifery Research Journal
4. President, Society of Perioperative Nursing (SPN), India

Name of Faculty: Dr Ashok Kumar
Designation: Associate Professor & Chief Nursing Officer

Sessions Chaired:

1. 1st Scientific session current updates on oncology nursing for effective patient care, 6th CNE Webinar on Oncology Nursing, 18th-19th Feb 2022, College of Nursing, JIPMER, Puducherry.
2. Nurses to Lead Perioperative Practice: Possibilities and Challenges, International Conference (Virtual) of Society of Perioperative Nursing, India-2022, 24th-25th March 2022, All India Institute of Medical Sciences, Jodhpur

Resource Faculty:

1. Building a fairer, Healthier world. Panel discussion (virtual) on World Health Day, 7th April 2021, College of Nursing, AIIMS Jodhpur.

2. Nurse's upskilling in NCDs program, 26-27th October 2021, India Sweden health care innovation centre, AIIMS, Jodhpur.
3. Panel member in the International Virtual Conference on "Clinical Integration: Need of the Hour", 20th January 2022, College of Nursing, AIIMS, Bhubaneswar.

Research Project:

Extramural (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.
2. Impact of conducting hand hygiene audit in COVID-19 care locations of India – A large scale multicentric study.
3. 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)

Research Projects

1. Factors leading to cancellation of elective surgery at AIIMS Jodhpur: A quality improvement study.
2. Acceptance and attitude of parents regarding COVID 19 vaccine for children.
3. Impact of COVID-19 outbreak on life style related behaviour among general population.
4. Awareness, attitude and willingness of organ donation among adult population in western Rajasthan: A cross-sectional hospital based survey, 2021.
5. Quality of sleep and Factors Associated with Sleep Pattern Disturbance among Patients in Critical Care Units: Mixed Method study.
6. Impact of covid-19 on lifestyles related etiquette among nursing staff in India: A Cross sectional descriptive E-survey"

Research Projects:

PG (M.Sc. Nursing) as Guide (Supervisor)

1. Effectiveness of Nurse-Led counselling on prevention of nausea and vomiting in terms of knowledge and severity among patients receiving chemotherapy.
2. Development of chemotherapy Administration checklist for patients receiving chemotherapy.
3. Development of Radiotherapy administration Checklist for patients undergoing Radiotherapy

PG (M.Sc. Nursing) as Co-Guide

1. Effect of nurse-led educational program on quality of life and self-care efficacy of Patients with heart Failure: A quasi-experimental study.
2. Effect of programmed family - patients' communication on delirium among patients in the intensive care units: A Randomized Controlled trial. Physical activity and quality of sleep among patients with Chronic Kidney Disease on hemodialysis: A cross-sectional study
3. Quality of life and self-reported disability in patients with osteoarthritis: Cross-Sectional Descriptive Study.

Scientific Awards/Patents

1. ATCN provider course – Society of trauma Nurses Advanced trauma care for Nurses course conducted at AIIMS Rishikesh, 26th to 28th August 2021.
2. BLS/ACLS provider course – American heart association certified program at AIIMS Jodhpur, 31st March to 2nd April 2022.

Examinership

1. M.Sc. Nursing, Medical Surgical Nursing, AIIMS Bhubaneshwar, 29-30 July 2021.
2. M.Sc. Nursing, Medical Surgical Nursing (Oncology), AIIMS Rishikesh (Theory paper)
3. M.Sc. Nursing, Cardiology/CTVS Nursing, AIIMS Delhi (Thesis evaluation)

National/ International Conferences attended:

1. International Virtual Conference on "Clinical Integration: Need of the Hour". Organized by College of Nursing, AIIMS Bhubaneswar, 20-21 January 2022.
2. 6th CNE Webinar on Oncology Nursing, theme: current updates on oncology nursing for effective patient care. Organized by College of Nursing, JIPMER Puducherry,18-19th Feb 2022.
3. International virtual conference SPNCON 2022 on theme pandemic and perioperative nursing practice. Organized by college of Nursing AIIMS Jodhpur, 24-25th March 2022.

Name of Faculty: Vandna Pandey
Designation: Assistant Professor

Research Projects

Completed:

As Principal Investigator:

1. Health related quality of life of employed and unemployed women: A cross sectional study
2. Impact of COVID 19 outbreak on lifestyle related behaviour among general population

As Co- Investigator:

1. Acceptance and attitude of parents regarding COVID 19 vaccine in children
2. Anxiety among adolescent during COVID 19 pandemic

As Investigator (Student project supervisor):

1. A study to assess the knowledge and expressed practice regarding needle stick injury among housekeeping staff employed at AIIMS, Jodhpur. (U G Project)
2. "Quality of life and self-reported disability in patients with osteoarthritis: Cross-Sectional Descriptive Study" (PG Project)
3. Level of functional independence in post-stroke patients: A Cross-sectional study**.** (PG Project)

As Co- Investigator (Student project supervisor):

1. "Development of chemotherapy administration checklist for patients receiving chemotherapy. (PG Project)

Examinership

1. Internal Examiner M.Sc. Nursing and B.Sc. (Hons.) Nursing. AIIMS, Jodhpur, June-July 2021
2. External Examiner for B.Sc. (Hons.) Nursing 3rd year Medical Surgical Nursing-II. AIIMS, Bhopal, August 2021
3. External Examiner for M.Sc. Nursing 1st Year. AIIMS, Patna, September 2021
4. Appointed as External examiner for B.Sc. nursing (Post basic) first year. PGIMER, Chandigarh, July2021
5. Paper setter for AIIMS, Bhubaneswar, June-2021

National/ International Conferences attended:

1. SIMULUS 6th Annual Conference (Virtual) of PEDISTARS on health care simulation held on 24th -25 April 2021.
2. Webinar on Outcome-Based Education in Nursing Curriculum: A Paradigm Shift". Organized by Sri Ramachandra Faculty of Nursing, SRIHER (DU), 28th- 29th January 2022.
3. Webinar on National Webinar on 'Recent Advances in Prevention and Control of Hepatitis B and C. Organized by Institute of Liver and Biliary Sciences (ILBS) with Lady Irwin College, New Delhi, 12th March 2022.
4. Online International Workshop on advance statistical data analysis using SPSS. Organized by Science Tech Institute, Lucknow,21th- 28th September 2021
5. One Week Online Basic Course on Biomedical Research. Organized by Science Tech Institute, Lucknow. 21-27th Feb 2022
6. National Webinar, Addressing NCDs through front of package Labelling. Jointly organized by AIIMS Mangalagiri & AIIMS Rishikesh, 24 November 2021.
7. Virtual Panel discussion. Organized by College of Nursing, AIIMS, Jodhpur, 7th April 2021.

Reviewer:

1. Book “Taylor Fundamentals of Nursing-The art and science of person-Cantered Care, South Asian Edition, Published by Wolters Kluwer.

Course Completed/Ongoing

1. Successfully completed Online training course on “Gender-Based Violence and Human Rights for promoting Women Health as a member from AIIMS Jodhpur from 8th -10th February, 2022 held at NIHFW, New Delhi.
2. Enrolled in an In-Service Ph.D. (Nursing) Program, AIIMS Jodhpur in Dec 2021.

Name of Faculty: Nipin Kalal

Designation: Assistant Professor & Deputy Nursing Superintendent

Resource Faculty:

1. Moderator in webinar on “Clinical Care Nursing during Covid-19 Pandemic: Challenges and Strategies”, 21th May, 2021, SCCN
2. International Nursing diabetes and endocrine conference, 19th-20th June 2021, Endocrine society of India.
3. Webinar on Organ donation & transplantation: Life after death, 17th Sep 2021, Global University.

4. Prevention and management of diabetic foot. Nurses Up-skilling in NCDs as an Indo-Sweden Health Innovation Project, 2nd Oct 2021, AIIMS, Jodhpur.
5. Conference on advancement in critical care nursing, 10th March 2022, Dinsha Patel college of Nursing, Nadiyad.
6. Panelist in International virtual conference SPNCON-2022, 24th-25th March 2022, College of nursing, AIIMS Jodhpur.

Research Project:

Ongoing:

As Principal Investigator

1. A study to assess the level of satisfaction regarding IPD Services among Covid-19 positive patients admitted at AIIMS Jodhpur.
2. Epidemiological, clinico-pathological and management pathway of patients reporting with chest pain in an emergency room of a tertiary care teaching hospital: a prospective observational study

As Co-Investigator

1. Efficacy of a text messaging service for patients with type 2 diabetes to support basal insulin titration. (Extra Mural-Co-PI)
2. Evaluation of a health system based intervention on change in thrombolysis rate in ST segment elevated myocardial infraction (STEMI) acute coronary syndrome (ACS) across selected district of the country- A health implemented research project. Funded by ICMR (Co-PI)
3. Discharge readiness and its predictors in post craniotomy patients at tertiary care teaching hospital: A cross- sectional analytical study.

Completed:

As Principal Investigator

1. Awareness, attitude and willingness of organ donation among adult population in western Rajasthan: A cross-sectional hospital based survey, 2021.
2. Postoperative clinical nursing care pathway for patients with mucormycosis: An experience from a tertiary care hospital, 2021.
3. Quality of sleep and Factors Associated with Sleep Pattern Disturbance among Patients in Critical Care Units: Mixed Method study.
4. Impact of covid-19 on lifestyles related etiquette among nursing staff in India: A Cross sectional descriptive E-survey"

As Co-Investigator

1. Fear and challenges of nursing students being in hospital clinical posting during COVID-19 pandemic: An exploratory survey, 2021.

Examinership

1. Professional Final Examination, Internal examiner at College of Nursing, AIIMS, Jodhpur. (B.Sc. (Hons.) Nursing 2nd Year & M.Sc. Nursing)
2. B.Sc. (Hons.) Nursing 2nd 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 examiner as a paper setter in AIIMS Rishikesh. (B.Sc. Nursing & M.Sc. Nursing)

5. External examiner 2nd Year B.Sc. (Hons) Nursing, Professional Final Examination at College of Nursing, AIIMS, Rishikesh.
6. External examiner as a paper setter in Geetanjali University, Udaipur. (B.Sc. Nursing)
7. Chief faculty in CBT examination of private secretary, 28th Feb 2022.
8. Chief faculty in CBT examination of Junior engineer, 16th April 2021.

National/ International Conferences attended:

1. Virtual Panel discussion. Organized by College of Nursing, AIIMS, Jodhpur, 7th April 2021.
2. Webinar on how to write paper in journal by BMJ, 9th April 2021.
3. Training on basics of mechanical ventilators & management of severally ill COVID 19 patients, 26th Oct 2021.
4. Virtual webinar on Online Good Clinical Practice Program. Organized by AIIMS Jodhpur, 15th January 2022.
5. Online research development program. Organized by BVCON Navi Mumbai, 21st August 2021.

Name of Faculty: Nimarta
Designation: Assistant Professor

Research Project:

Ongoing:

As Principal Investigator

1. Discharge readiness and its predictors in post craniotomy patients at tertiary care teaching hospital: A cross- sectional analytical study

As Co-Investigator

1. Epidemiological, clinico-pathological and management pathway of patients reporting with chest pain in an emergency room of a tertiary care teaching hospital: a prospective observational study

Completed:

As Principal Investigator

1. Fear and challenges of nursing students being in hospital clinical posting during COVID-19 pandemic: An exploratory survey, 2021.

As Co-Investigator

1. Awareness, attitude and willingness of organ donation among adult population in western Rajasthan: A cross-sectional hospital based survey, 2021.
2. Quality of sleep and Factors Associated with Sleep Pattern Disturbance among Patients in Critical Care Units: Mixed Method study.
3. Impact of covid-19 on lifestyles related etiquette among nursing staff in India: A Cross sectional descriptive E-survey"

Examinership

1. B.Sc. (Hons.) Nursing 3rd Year. College of Nursing AIIMS, Jodhpur, Sept 2021.

2. B.Sc. (Hons.) Nursing 3rd Year Supplementary Examination. College of Nursing AIIMS, Jodhpur, Nov 2021.
3. B.Sc. (Hons.) Nursing 3rd Year as a paper setter. College of Nursing AIIMS, Jodhpur, June 2021.
4. B.Sc. Nursing & M.Sc. Nursing as a paper setter. College of Nursing, AIIMS Rishikesh, April 2021.

National/ International Conferences attended:

1. Web seminar: Knowledge Edge Webinar - Transforming Nursing workforce: How to build a 'fit for future' workforce, July 2, 2021
2. International virtual conference SPNCON 2022 on theme pandemic and perioperative nursing practice. Organized by college of Nursing AIIMS Jodhpur, 24-25th March 2022.
3. Virtual webinar on Online Good Clinical Practice Program. Organized by AIIMS Jodhpur, 15th January 2022.
4. Management of type 2 diabetes mellitus with focus on oral hypoglycemic agents. Organized by BMJ, 25th March 2022
5. Webinar on how to write paper in journal by BMJ, 9th April 2021.
6. Webinar on Precious Time- Minutes can save lives" Dte.GHSin collaboration with the SINN and ECHO India Oct 29, 2021
7. Web seminar on Care of Unconscious Patient in ICU. Organized by Wolters Kluwer, 25th October, 2021
8. International Webinar on the Latest Trends in Nursing Education. Organized by in collaboration with Alandar College of Nursing and Medical Technology, Islamic University of Science and Technology, Kashmir, 10- 11th Oct, 2021
9. International Webinar On Nursing Research Methodology. Organized by Alamdar memorial college of nursing & medical technology, charar-e-sharief, budgam, Kashmir, 25- 27th of June, 2021

Name of Faculty: Dr. Vikas Choudhary

Designation: Tutor/ Clinical Instructor (Nursing) & Deputy Nursing Superintendent

Research Project:

Completed:

As Co-Investigator

1. Quality of life and self-reported disability in patients with osteoarthritis: Cross- Sectional Descriptive Study.

Membership/Post in Journal or Society or Association -

1. The International Network for Doctoral Education in Nursing (INDEN)
2. Sigma Theta tau International Honor Society of Nursing (Sigma)

National/ International Conferences attended:

1. International virtual conference SPNCON 2022 on theme pandemic and perioperative nursing practice. Organized by college of Nursing AIIMS Jodhpur, 24-25th March 2022.

Name of Faculty: Shrikant K. Nair
Designation: Tutor/ Clinical Instructor (Nursing)

Research Project:

Ongoing

As Co-Investigator

1. Development of tool: Self-care agency of patients in adult critical care units.

Membership/Post in Journal or Society or Association

1. Member, SPN, Society of perioperative Nurses India.

National/ International Conferences attended:

1. NDECON-2021. International Diabetes & Endocrine Conference- DECON 2021
2. Nursing Meet on "Redefining Nursing Education: The Road to Excellence". Organized by Elsevier India, September 2021
3. International Virtual Conference on 'Clinical Integration: Need of the Hour', Jan 2022.
4. Outcome-Based Education in Nursing Curriculum: A Paradigm Shift. Organized by Sri Ramachandra Institute of Higher Education and Research, January 2022
5. Virtual Webinar on Writing A Research Article for Publication in An Academic Journal. Organized by Department of Commerce, Khalsa College for Women, February, 2022.
6. Online webinar on Emergency life saving tips from Skills train South Africa, 15th March 2022
7. 8th Webinar of the series on "Advanced Nurse Practitioner: Paving the way in India" organized by Society of Cardiac Nurses, India (SOCN), The Nursing Teachers Association in association with Nursing Next Live- A Unit of CBS Publishers., 27th March, 2022.
8. International virtual conference SPNCON 2022 on theme pandemic and perioperative nursing practice. Organized by college of Nursing AIIMS Jodhpur, 24-25th March 2022.

Name of Faculty: Natwarlal Patidar
Designation: Tutor/Clinical Instructor (Nursing) & Deputy Nursing Superintendent

Resource Faculty at National/ International Conferences:

1. Speaker in the Webinar "Clinical Care Nursing During Covid-19 Pandemic: Challenges and Strategies" organized by Society for Critical Care Nursing on 21st May 2021
2. Subject Matter Expert on "Conduction Disorder & Arrhythmias" at ECG capacity building course for Nurses organized by Society of Cardiac Nurses India on 9th July 2021
3. Speaker in the Webinar "Dialogues with Paride: Disclosure over Career advancement, Academic Opportunities & Barrier in Nursing Profession" organized by Society for Critical Care Nursing on 12th July 2021

Program Coordinator/ Chairperson:

1. Coordinator of ICU training of nursing officers for capacity building of nursing staff for covid-19 in AIIMS Jodhpur.

2. Coordinator for Induction program of newly joined Nursing officers in AIIMS Jodhpur.
3. Program Coordinator of Patient Self Efficiency program & Poster Exhibition during Word Diabetes Day on 15th Nov.2021 organized by College of Nursing AIIMS Jodhpur.
4. Co-Chairperson Scientific Committee in the International Virtual Conference "SPNCON – 2022" on Pandemic & Perioperative Nursing Practice, Organized by College of Nursing AIIMS Jodhpur on 24th & 25th March 2022

Research Project:

Principle Investigator:

1. Patient safety attitude in Operating Room Nurses at a tertiary care teaching hospital in western Rajasthan: A cross sectional Survey.
2. Prevalence of Dry Eye Disease among Operating Room Nursing Officers in Tertiary Care Hospital: Cross-sectional survey
3. Effectiveness of staff development strategies for nurses on critical care patient safety: A Quasi-Experimental trial"

Co-Investigator:

1. "Perioperative nursing competencies in All India Institute of Medical Sciences – Jodhpur."

National/ International Conferences and workshop attended:

1. Advanced Trauma Care for Nurses certification course (ATCN). Organized by Society for Trauma Nurses, AIIMS, Jodhpur, 11-13th Nov 2021.
2. The international Nursing Diabetes and Endocrine Conference N-DECON 2021, 19th & 20th June 2021
3. Selected as Instructor Potential (IP) faculty for ATCN Instructor course. Organized by Society for Trauma Nurses, AIIMS, Jodhpur, 13th Nov 2021.

Name of Faculty: Sabari Vel

Designation: Tutor/ Clinical Instructor (Nursing)

Papers presented:

1. N Sabari vel. Effectiveness of mirror therapy on quality of life among patient with stroke. International virtual conference SPNCON-2022. 24th -25th March 2022. College of Nursing AIIMS Jodhpur.
2. N Sabari vel. Promoting quality health through novel intervention for an ageless Era. Healthy Aging. 19-22 April 2022, Army institute of Nursing Guwahati.

National/ International Conferences attended: 5

1. National Webinar on Qualitative research. Organized by Sri Ramakrishna institute Coimbatore, 8-9th April 2021
2. National Webinar on Non-Alcoholic fatty liver disease. Organized by AIIMS Jodhpur, 7th Jun 2021
3. National Webinar on Empowering Nurses in clinical practice. Organized by Himalayan institute Dehradun, 17th Jul 2021.
4. International virtual conference SPNCON 2022 on theme pandemic and perioperative nursing practice. Organized by college of Nursing AIIMS Jodhpur, 24-25th March 2022.

Name of Faculty: Nancy Kurien
Designation: Tutor/ Clinical Instructor (Nursing)

Research Project:

Ongoing:

As Co-Investigator

1. Health-related quality of life of employed women and unemployed women: A Cross-Sectional Study.

Completed:

As Co-Investigator

1. Knowledge and utilization of MCH services among mothers
2. Acceptance and Attitude of Parents Regarding COVID-19 Vaccine for Children: A Cross-Sectional Study

National/ International Conferences attended:

1. International virtual conference SPNCON 2022 on theme pandemic and perioperative nursing practice. Organized by college of Nursing AIIMS Jodhpur, 24-25th March 2022.

Name of Faculty: P Gangadevi
Designation: Tutor/ Clinical Instructor (Nursing) & Deputy Nursing Superintendent

Resource Faculty:

1. Research methodology course. 11th- 13th November 2021, College of Nursing, AIIMS, Jodhpur
2. Soft skill training programme for security and hospital attendants. From 21st February 2022, College of Nursing;, AIIMS, Jodhpur

Research Project:

Ongoing:

As Co-Investigator

1. Level of functional independence in post stroke patients: A cross sectional study
2. Medication adherence to antiepileptic drugs among epilepsy patients: A cross sectional study

Completed:

As Co-Investigator

1. Academic support staff – “Physical activity and quality of sleep among patients with chronic kidney diseases on hemodialysis: A cross sectional study”

Membership/Post in Journal or Society or Association -

1. Member – Society of Perioperative Nursing

National/ International Conferences attended:

1. E Workshop on Approaches and strategies in writing systematic review and meta-analysis. IAMBSS,ICMR, PGIMER Chandigarh, AIIMS Rishikesh and Sardar Bhagwan Singh University, Dehradun, India, 30th July- 4th August 2021
2. Webinar on ABC of Biostatistics. Vivekananda College of Nursing, Luknow, 3rd to 6th July 2021
3. Training course on Management for senior nursing administrators. The National Institute of Health and Family Welfare (NIHFW), New Delhi, 9th to 11th August 2021
4. Webinar on Caring for EB patients: introduction to the complexity of the disease and important care issues. Molnlycke, 17th August 2021
5. Webinar on Impact of pandemic in nursing research. PSG College of Nursing, Coimbatore, 18th August 2021
6. Global Symposium series on Collaborative health care practices and challenges in current times. Manipal College of Nursing, Manipal, 2nd November 2021
7. Webinar on Boot camp for employability excellence. Consortium E-learning Pvt. Ltd, 18th January 2022
8. Webinar on Outcome based education in nursing curriculum – A paradigm shift. Sri Ramachandra Faculty of Nursing, SRIHER, Chennai, 28th-29th January 2022
9. National virtual research conclave 2022 – Excellence in sustaining quality research. Sri Devaraj URS College of Nursing , Kolar, Karnataka, 25th February 2022
10. International virtual conference SPNCON 2022 on theme pandemic and perioperative nursing practice. Organized by college of Nursing AIIMS Jodhpur, 24-25th March 2022.

Name of Faculty: Khina Sharma

Designation: Tutor/ Clinical Instructor (Nursing)

Resource Faculty:

1. Virtual Nationwide Training of Nurses for Capacity building for management of children in COVID-19 pandemic and preparedness of nursing professionals against the third wave. 30th March 2022. Peoples University Bhopal, Madhya Pradesh.

Research Project:

Ongoing:

As Co-Investigator:

1. Prevalence and determinant of Sexual Dysfunction among clinically diagnosed diabetic patients: a mixed method study
2. Effect of tactile stimulation on consciousness level and vital signs of patients admitted with traumatic brain injury: a quasi-experimental study.

Membership/Post in Journal or Society or Association -

1. Chairperson peer review committee: Chandigarh chapter; Nursing Scholar Society

National/ International Conferences attended:

1. International virtual conference SPNCON 2022 on theme pandemic and perioperative nursing practice. Organized by college of Nursing AIIMS Jodhpur, 24-25th March 2022.

Name of Faculty: Priya Sharma
Designation: Tutor/ Clinical Instructor (Nursing)

Papers presented:

1. Sharma SK. Patidar N. Sharma P. Nurses attitude towards patient safety culture in OT. International Virtual Conference of Society of Perioperative Nursing, India; 24-25th Mar 2022, AIIMS, Jodhpur.

Research Project:

Ongoing:

As Co-Investigator

1. Discharge Readiness and its Predictors in post craniotomy patients at tertiary care teaching hospital: A cross sectional study
2. Empathy among male and female nurses in India: A cross Sectional Study.
3. Effect of nurse directed education Programme on severity of symptoms and quality of life of BPH patients: A quasi experimental study
4. Prevalence and determinant of sexual dysfunction among clinically diagnosed diabetic patients: A mixed method study

Scientific Awards/Patents

1. 1st position, Paper presentation, Society of Perioperative Nursing (SPN), India, 24-25th Mar, 2022.

National/ International Conferences attended:

1. International virtual conference SPNCON 2022 on theme pandemic and perioperative nursing practice. Organized by college of Nursing AIIMS Jodhpur, 24-25th March 2022.

Faculty: Community Health Nursing

S.No.	Name of the faculty	Designation
1	Gomathi A	Associate professor
2	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	Satyaveer	Tutor / Clinical Instructor (Nursing)
9	Neetu Tripathi	Tutor / Clinical Instructor (Nursing)

Name of Faculty: Gomathi Arumugam
Designation: Associate professor

Resource Faculty:

1. Panel discussion on World Health Day, 7th April 2021, College of Nursing AIIMS Jodhpur
2. National Level Online Seminar "Emerging Challenges in Covid 19" , 30-31 Aug 2021, Indrani College of Nursing, Ariyur, Puducherry.
3. National e-Seminar "On co-existing with Covid 19", 26th February 2021, VISWASS, College of Nursing, Bhubaneshwar

Research Project:

Completed:

As Co-Investigator

1. Fear of fall, level of functional Independence and Preventive Practices among the elderly: A Cross-sectional Study.
2. Anxiety and coping strategies among COVID 19 infected, Non-infected Nursing Officers at AIIMS Jodhpur: A Comparative Study

Ongoing:

As Principal Investigator:

1. A study to assess the acceptance level of COVID-19 Vaccine among antenatal mothers attending antenatal OPD AIIMS, Jodhpur, Rajasthan.

As Co-Investigator

1. Palliative Care Awareness, Knowledge and Attitude among Undergraduate Students
2. Lived experiences of adolescents in self –management of insulin dependent diabetes mellitus: A qualitative approach.

Examinership:

1. Paper setter for B.Sc. Nursing 4th-year examination (Subject: Nursing management). All India Institute of Medical Sciences, Bhubaneswar, November 2021.
2. Paper setter, evaluator & practical examiner for M.Sc. Nursing Second year examination (Subject: Community Health Nursing-II). All India Institute of Medical Sciences, Bhubaneswar, July 2021.

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

1. Online National Webinar on Non-Alcoholic Fatty Liver Disease (NAFLD): Population-level Strategies for Prevention organized by AIIMS Jodhpur in Collaboration with the Institute of Liver and Biliary Sciences, New Delhi, 7th June 2021.
2. International webinar on "Contemporary Nursing Practices'. Organized by Rajiv Gandhi University of health and sciences Karnataka, 9-10th June 2021

3. Online educational activity titled “Acute and long term impact of Covid –19 on mental health’. Organized by Johns Hopkins University School of nursing and college of nursing, CMC, India, June 2021.
4. Online virtual national pediatric conference on “Innovations and Advances in Pediatric Nursing ‘’. Organized by College of Nursing CMC, Vellore, 24-25th June 2021.
5. Neonatal nurses’ webinar on “Neonatal Nutrition”. Dr. Mehtas Hospital, EKAM Foundation, and UNICEF, 3rd July 2021
6. Online National webinar on “Covid-19”- Know Covid- NO Covid”. Organized by the public health foundation of India, 19th -20th August 2021.
7. E-seminar on “Domiciliary care for the COVID affected –Across all the ages”. Organized by College of Nursing CMC, Vellore, 28th Sep 2021.
8. Online International Workshop on Biostatistics. organized by Science Tech Institute, Lucknow, 21-27 Nov 2021

Training course attended

1. Successfully completed the online training in basic NRP Course, 12th September 2021.
2. Successfully completed a Foundation course in Palliative Nursing from 14.06.2021-18.10.2021 (5months) through Trivandrum institute of palliative sciences-Extension for community health care outcome. (TIPS-ECHO) .Kerala.
3. Attended seven days of online “Workshop on SPSS” organized by the department of statistics, Punjab University, Chandigarh June 28th to July 4th, 2021.
4. Completed the online training course on “Building Nursing and Midwifery 4. Leadership in the context of UHC/SDGs ‘’organized by the Department of social sciences, NIHFW, New Delhi, from March 28th to 30th 2022.

Name of Faculty: Mamta
Designation: Assistant Professor

Invited lectures

1. Nursing care in elderly, Training of Medical officers on Comprehensive Geriatric care, 21-23rd March 2022, AIIMS Jodhpur.
2. Role of Nutrition in Prevention and Management of Diabetes- Food groups, Glycemic load & Glycemic index, Nurses' Upskilling in NCD’s as part of India-Sweden Healthcare Innovation Centre, 26-27th October 2021, AIIMS Jodhpur.

Resource Faculty:

1. Training on soft skills for security personnel and ward attendants, February 2022 to March 2022, AIIMS Jodhpur.
2. Panel discussion on World Health Day, 7th April 2021, College of Nursing AIIMS Jodhpur

Research Project:

Ongoing

As principal investigator

1. A study to assess effectiveness of structured training program on selected non communicable diseases risk reduction among women on knowledge and performance outcomes of female health workers.

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)

Research Projects:

PG (M.Sc. Nursing) as Guide

1. Risk assessment of Type 2 Diabetes Mellitus among adult in Jodhpur: A Cross sectional Study.
2. Fear of fall, level of functional independence and preventive practices among elderly: A cross sectional study
3. Utilization of services and level of satisfaction among beneficiaries under Janani Shishu Suraksha Karyakaram at selected urban area of Jodhpur.

PG (M.Sc. Nursing) as Co-Guide

1. Drug attitude and medication adherence among patients with psychiatric illness: A cross - sectional analytical study."
2. Effectiveness of antenatal perineal preparation during first and second stage of Labour on perineal trauma and duration of second stage of labour in primigravidae parturient at AIIMS, Jodhpur.
3. Perceived stress and coping strategies among caregivers of children with intellectual disability residing in selected areas of Jodhpur: A cross sectional study
4. Knowledge and medication adherence regarding hypertension patients attending urban health training centre, Pratap nagar with a view to develop an information booklet regarding self-care management of hypertension.
5. Effectiveness of prenatal lactation counselling on Breastfeeding practices, breast engorgement and Newborn feeding behavior among postnatal mothers at AIIMS Jodhpur.
6. Effects of birthing ball exercise on Labour pain and Labour outcome among primigravidae parturient mothers at AIIMS, Jodhpur.

Examinership

1. Internal Examiner M.Sc. Nursing and B.Sc. (Hons.) Nursing. AIIMS, Jodhpur, June-July 2021.
2. M.Sc. Community Health Nursing. College of Nursing, JIPMER, Puducherry, July 2021.
3. B.Sc. (Hons) Nursing 1st annual examination. College of Nursing, AIIMS, Bhubaneshwar, 11th-13th October 2021.

Membership/Post in Journal or Society or Association

1. Member of the SEAR NCD Service Delivery Network; WHO SEARO
2. Invited reviewer; PLOS ONE
3. Review editor; Editorial board of Frontiers in Psychiatry Journal.

National/ International Conferences attended:

1. Fundamentals of good clinical practice (GCP) online workshop organized by Department of Pharmacology, AIIMS Jodhpur in collaboration with Dr. Reddy's Laboratory, 15th Jan 2022.
2. National webinar on addressing NCDs through front of package labelling jointly organized by AIIMS, Mangalagiri and AIIMS Rishikesh, 24th November 2021.
3. Workshop on Electronic Data Capture in Epidemiology and Research organized by Community Medicine and Family Medicine, School of Public Health, All India Institute of Medical Sciences, Jodhpur, 26th October,2021.

4. Second Annual National Conference of Epidemiology Foundation of India organized by Community Medicine and Family Medicine School of Public Health, All India Institute of Medical Sciences, Jodhpur, 29-30 October, 2021
5. National Webinar on Addressing Diabetes Mellitus through Front of Package labelling (FOPL) organized jointly by AIIMS Jodhpur in collaboration with AIIMS Rishikesh, 28th June 2021.
6. Online National Webinar on Non-Alcoholic Fatty Liver Disease (NAFLD): Population-level Strategies for Prevention organized by AIIMS Jodhpur in Collaboration with the Institute of Liver and Biliary Sciences, New Delhi, 7th June 2021.
7. Webinar on International Day of Midwives, 5th may, Indian Nursing Council in collaboration with JHPIEGO and UNFPA
8. Simulus. 6th Annual Conference of PEDIstars on health care simulation (virtual) organized by Pediatric simulation training and research society, 24th-25th April 2021
9. Virtual Panel discussion. Organized by College of Nursing, AIIMS, Jodhpur, 7th April 2021.

Training course attended

1. Online training course on Building Nursing and Midwifery Leadership in the context of Universal health Coverage/Sustainable development goals. Organized by NIHFW, New Delhi, India, 28th-30th March 2022.
2. SEAR NCD Service Delivery Network Induction Training for People-centred NCD Service Delivery. Organized by WHO SEAR network and AIIMS Delhi, 2nd to 13th December 2021.
3. Online International Workshop on advance statistical data analysis using SPSS. Organized by Science Tech Institute, Lucknow,21th- 28th September 2021
4. Reviewers Training Workshop organized by Craniofacial Research Foundation, 21-30th June 2021.

Name of Faculty: Rishi Dutt Avasthi
Designation: Tutor/ Clinical Instructor (Nursing)

Resource Faculty:

1. International Conference 'Nurses a voice to lead' 2021, 12-13th may 2021, LNCT Bhopal.
2. International e- Conference on shaping the nurses practitioner program in India, 15-17th April 2021, DY Patil College of Nursing, Govt. of India nursing Division, PGIMER.

Research Project:

Ongoing:

As Investigator

1. A study to assess knowledge and expressed practise regarding solid waste management among household mother in Pratap nagar area of Jodhpur city (Rajasthan).

As Co-Investigator

1. A study to address the challenges regarding the diabetes programmatic management among TB patient under NTEP in Jodhpur (Rajasthan).

Workshops/Conference Attended

1. World health conference 2021 (WHC), medical Health care Transformation, new normal to next normal, 15 & 16 April 2021.

Name of Faculty: Arvind

Designation: Tutor/ Clinical Instructor (Nursing)

Research Project:

Ongoing:

As Co-Investigator

1. A study to assess the acceptance level of COVID-19 vaccine among antenatal mothers, attending antenatal OPD AIIMS Jodhpur, Rajasthan

Completed:

As Co-Investigator

1. Knowledge and attitude regarding prevention of breast cancer among reproductive age group women in rural India: A Narrative review

Name of Faculty: Manish Kumar Balai

Designation: Tutor/ Clinical Instructor (Nursing)

Research Project:

Ongoing:

As Principal Investigator

1. Psychological Impacts among Health care personnel during COVID-19 Pandemic: A systematic Review

Name of Faculty: Hanuman Ram Bishnoi

Designation: Tutor/ Clinical Instructor (Nursing)

Research Project:

Ongoing:

As Principal -Investigator

1. A study to explore myths and reality about corona vaccination among general public selected area of Jodhpur

Name of Faculty: Satyaveer

Designation: Tutor/ Clinical Instructor (Nursing)

Research Project:

Completed:

1. A study to assess the effectiveness of counselling module regarding vasectomy on the knowledge and attitude among married men in selected area of Jodhpur Rajasthan

Scientific awards/Patents

1. 2" Position in E-Poster competition. National Pharmacovigilance Week by Ministry of Health and Family Welfare, Govt. of India, 17' to 23rd September 2021

Name of Faculty: Minakshi Shayar
Designation: Tutor/ Clinical Instructor (Nursing)

National/ International Conferences attended:

1. Online National Webinar on Non-Alcoholic Fatty Liver Disease (NAFLD): Population-level Strategies for Prevention organized by AIIMS Jodhpur in Collaboration with the Institute of Liver and Biliary Sciences, New Delhi, 7th June 2021.
2. Workshop on Psychological wellbeing of students during COVID-19 Pandemic and Lockdown, 16 June 2021.
3. N-DECON International Nursing Diabetes and Endocrine Conference for Nurses, 19-20 June 2021.

Faculty: Obstetrics & Gynecological Nursing

S.No.	Name	Designation
1	Himanshu Vyas	Associate Professor & Nursing Superintendent
2	Dr. Deviga TT	Tutor/ Clinical Instructor (Nursing)
3	Dr. Arti	Tutor/ Clinical Instructor (Nursing)
4	Hemlata	Tutor/ Clinical Instructor (Nursing)

Name of Faculty: Mr. Himanshu Vyas
Designation: Associate Professor & Nursing Superintendent

Resource Faculty:

1. Diagnosis and management of Gestational Diabetes. Nurses' Upskilling in NCD's as part of India-Sweden Healthcare Innovation Centre, 26-27th October 2021, AIIMS Jodhpur
2. Coordinator and faculty in Capacity Building of Nursing officers (UTB) of Rajasthan State for care of COVID -19 patients, May-June 2021
3. Barriers in implementing and strengthening evidenced based antenatal care. Continuing Nursing Education, 10th Feb 2022, KGMU College of Nursing,
4. Labor Analgesia: Recent advances, E conference on exploring the advances practices in Maternity Nursing, 15thh Feb 2022, Dinsha Patel College of Nursing, Nadiad.

Research Project:

Ongoing:

As Co-investigator

1. A randomized double blind placebo controlled multi centric trial to determine the efficacy of AYUSH medicine NOQ19 in treatment of symptomatic COVID – 19 patients along with standard allopathic treatment.

2. Impact of conducting hand hygiene audit in COVID-19 care locations of India – A large scale national multi centric study

Examinership

1. B. Sc. (Hons.) Nursing IV Year, NINE, PGIMER, Chandigarh – July 2021
2. M. Sc. Nursing 2nd Year (OBG Nursing) AIIMS Bhubaneswar – 29-30 July 2021
3. M Sc Nursing Thesis Evaluation AIIMS, Rishikesh, 2021
4. M Sc Nursing 1st Year and 2nd Year, AIIMS, AIIMS, Rishikesh, 2021
5. B. Sc. (Hons.) Nursing and M. Sc. Nursing AIIMS, Jodhpur
6. KGMU, Lucknow
7. JIPMER, Puducherry, November 2021
8. Geetanjali University, Udaipur, October 2021
9. BFUHS, Faridkot: Thesis Evaluation - October 2021

National/ International Conferences attended:

1. Two days' virtual conference on "Synergizing compassion in maternal and newborn care: promoting equity sustainability and quality". Organized by Nursing College, AIIMS, Bhopal and SOMI Chapter, 8th & 9th March 2022
2. International Virtual Conference on "Clinical Integration – Need of the Hour". Organized by College of Nursing, AIIMS, Bhubaneshwar, 20-21 January 2022

Any other information: (Additional Training Course)

1. Pursuing Ph. D. (Nursing) under the National Consortium, Indian Nursing Council (Registered in 2018). Working on the Ph. D. Project "Assessment of quality of maternal and new-born services and their impact on maternal-fetal outcome and maternal satisfaction at selected primary health centers of Rajasthan"
2. Successfully completed Capacity Building Program for Midwifery Faculty on Simulation Training and Skill Update – A 5-day residential program at National Reference Simulation Lab, SGT University, Gurugram: Organized by Indian Nursing Council and UNFPA from 6th – 9th April 2021

Name of Faculty: Dr. Deviga T
Designation: Tutor/ Clinical instructor (Nursing)

Papers presented:

1. 2nd virtual national nursing science exhibition, IINOVUS 2021, shifting nursing education landscape: Digital solution, organized by Sri Ramachandra faculty of nursing, Chennai.

Research projects:

Principal Investigator:

1. A Case report of Atypical Mayer-Rokitansky Kuster Hauer syndrome

Co-Investigator:

1. Knowledge and utilization of MCH services among mothers

As Co-guide:

1. Mistreatment of women during childbirth- Narrative Review

Supporting Staff:

1. Effectiveness of antenatal perineal preparation during the first and second stage of labor in reducing perineal trauma and duration of the second stage in primigravida parturient at AIIMS, Jodhpur.
2. Effect of supported sitting position during labor on its outcome in primigravidae: a quasi-experimental trial.

National/ international conferences attended:

1. Webinar on International Day of Midwif. Organized by Indian Nursing council, collaboration with JHPEIGO& UNFPA, 5th May 2021
2. Webinar on Nurses: A voice to lead- A vision for future Health care. Organized by the Indian Nursing council, 12th May 2021
3. Webinar on shielding your mental health during COVID-19. AIIMS Delhi, 15th <ay 2021
4. Webinar on COVID-19 in the pediatric population: Recent update. Organized by Shaheed Kartar Singh Sarabha College of nursing, May 28, 2021
5. Webinar: Myths& Misconceptions of vaccine. Organized by SKSS college of nursing, Sarabha, Ludhiana, Punjab, 17th May 2021
6. Online National Webinar on Non-Alcoholic Fatty Liver Disease (NAFLD): Population-level Strategies for Prevention organized by AIIMS Jodhpur in Collaboration with the Institute of Liver and Biliary Sciences, New Delhi, 7th June 2021.
7. International virtual conference SPNCON 2022 on theme pandemic and perioperative nursing practice. Organized by college of Nursing AIIMS Jodhpur, 24-25th March 2022.
8. Synergizing compassion in maternal and newborn care: Promoting equity, sustainability, and quality. Organized by nursing college, AIIMS Bhopal & SOMI, 8-9 March 2022.
9. Caregiver's Burden and How to Help Caregivers during Covid-19 Pandemic. Organized by Johns Hopkins University School of Nursing & College of Nursing, Christian Medical College, Vellore, 16th July 2021
10. Webinar on Achieving Universal Health Coverage by strengthening Human Resources for Health in India: 7 CALLS FOR ACTION endorsement as an outcome of HRH Symposium, 9th July 2021.
11. Psychological Wellbeing of Students during COVID-19 Pandemic & Lockdown. Organized by Johns Hopkins University School of Nursing & College of Nursing, Christian Medical College, Vellore, 18 June 2021
12. Virtual Panel discussion. Organized by College of Nursing, AIIMS, Jodhpur, 7th April 2021.

Name of Faculty: Dr. Arti

Designation: Tutor/ Clinical instructor (Nursing)

Research Project:

Ongoing:

As Principal Investigator

1. Exploring Adherence to yoga physical activity among health care personnel: A mixed-method study

As Co-Investigator

1. Effectiveness of M learning module on primary care givers 'knowledge and skill for home based palliative care of gynecological cancer patients at AIIMS, Jodhpur: A non-randomized control trial

National/ International Conferences attended:

1. Virtual Capacity Building Program for the Midwifery Faculty. Indian Nursing Council in collaboration of UNFPA, 23-30 Nov 2021.
2. Training of trainers on simulation-based education. National Reference Simulation Lab, SGT University, Gurugram: Organized by Indian Nursing Council 13-18 Dec 2021
3. Workshop on rational use of Oxygen administration- Nursing Perspective. Organized by AIIMS Delhi, 27th Jan 2022.
4. Writing a research article for publication in an academic journal. Organized by Khalsa College of women. 5th Feb 2022.
5. International virtual conference SPNCON 2022 on theme pandemic and perioperative nursing practice. Organized by college of Nursing AIIMS Jodhpur, 24-25th March 2022.
6. Empowered Nurses to empower nurses. Organized by TNAI, Delhi, 26th March 2022

Name of Faculty: Hemlata

Designation: Tutor/ Clinical instructor (Nursing)

Books/Chapters

1. Sharma, S.K. Chakraborty, B. Mudgal, S.K., Hemlata. Sleep in Critically Patient. Sleep and Neuropsychiatric disorders.1st edition, Springer, Singapore. 737-759.

National/ International Conferences attended:

1. Virtual Capacity Building Program for the Midwifery Faculty. Indian Nursing Council in collaboration of UNFPA, 19th -25th Jan 2022.
2. CLS and BLS Certified Course. AHA. AIIMS Jodhpur. 10-12th March 2022.

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.	S K Mohanasundari	Tutor/ Clinical Instructor (Nursing)
6.	Joyce Joseph	Tutor/ Clinical Instructor (Nursing)
7.	Dr A Latha	Tutor/ Clinical Instructor (Nursing)
8.	T Thuileiphy	Tutor/ Clinical Instructor (Nursing)

Name of Faculty: Dr. Mukesh Chandra Sharma
Designation: Associate Professor & Assistant Dean of Examinations

Resource faculty

1. Panel discussion on Strengthening home based new born care –Concrete plan to enhance neonatal health "Synergizing compassion in maternal and new born care promoting equity sustainability and quality", 8th- 9th March 2022, College of Nursing, AIIMS, Bhopal (MP).

Research Projects:

On going

As Principal Investigator

1. Dorothea Orems Self-care deficit based theory approach -Development of tool to measure self-care agency of patient admitted in Critical Care Unit.

As Co-Investigator

1. Perception and readiness of school age children for offline classes in Covid era-A cross sectional study

Completed

As Principal Investigator

1. A cross sectional study to assess the expressed COVID-19 preventive practices among the health care workers and public visiting tertiary care hospital, AIIMS, Jodhpur

As Co-Investigator-

1. Effectiveness of Virtual Learning Resource Material on Knowledge and Skill attainment of caregivers of children with Colostomy.
2. A study to assess stool pattern of neonates admitted at AIIMS Jodhpur: A cross sectional study
3. A cross-sectional study to assess the anxiety and coping mechanism among primary care givers of children admitted in PICU.
4. Awareness, Attitude, and Acceptability of Healthcare Workers About COVID-19 Vaccination in Western India

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. Reviewer in Biosciences Biotechnology Research Asia journal
6. Reviewer in Journal of Medical Evidence ,Nursing Open journal

Examiner -

1. External examiner .Nursing Research Question paper setter for Post Basic B.Sc. (Hons) Nursing Second year professional examination, at PGI ,Chandigarh ,2021

2. External examiner. for M.Sc Nursing first year and second year practical examination, at BFUHS, Faridkot 2021
3. External examiner M.Sc Nursing first year and second year Pediatric Nursing CS, at College of nursing KGMU,Lucknow UP,2021.

Any other information –

1. PhD Guide at college of Nursing ,AIIMS, Jodhpur
2. Additional charge of Assistant Dean of Examination at AIIMS, Jodhpur
3. Member of Board of Studies, Staff council, IQAC, annual report committee ,yoga committee, anti-ragging squad ,document verification, monthly condemnation of linen PPE etc, at AIIMS, Jodhpur

Name of Faculty: Remiya Mohan

Designation: Assistant Professor & Nursing Superintendent

Examinership

1. Internal Examiner M.Sc. Nursing and B.Sc. (Hons.) Nursing, AIIMS, Jodhpur, June-July 2021

Research Projects

Ongoing:

As Principal Investigator:

1. Acceptance and attitude of parents regarding COVID 19 vaccine in children
2. Anxiety among adolescent during COVID 19 pandemic

As Co- Investigator:

1. Health related quality of life of employed and unemployed women-A cross sectional study
2. Impact of COVID 19 outbreak on lifestyle related behavior among general population

National/International conferences attended:

1. Simulus. 6th Annual Conference of PEDIstars on health care simulation (virtual) organized by Pediatric simulation training and research society, 24th-25th April 2021
2. Webinar on Outcome-Based Education in Nursing Curriculum: A Paradigm Shift" organized by Sri Ramachandra Faculty of Nursing, SRIHER (DU) on 28th and 29th January 2022.
3. Webinar on National Webinar on 'Recent Advances in Prevention and Control of Hepatitis B and C organized by Institute of Liver and Biliary Sciences (ILBS) with Lady Irwin College, New Delhi on 12th March 2022.
4. Online International Workshop on advance statistical data analysis using SPSS. Organized by Science Tech Institute, Lucknow,21^{th-} 28th September 2021
5. One Week Online Basic Course on Biomedical Research, Organized by Science Tech Institute, Lucknow. February 21-27, 2022
6. National Webinar, Addressing NCDs through front of package Labelling, jointly organized by AIIMS Manglagiri & AIIMS Rishikesh 24 November 2021.
7. Virtual Panel discussion conducted by College of Nursing, AIIMS, Jodhpur on World Health Day,7 April 2021.

Course Ongoing

1. Enrolled in an In-Service Ph.D. (Nursing) Program, AIIMS Jodhpur in Dec 2021.

Name of Faculty: Sanjeeta Dara
Designation: Assistant Professor & Deputy Nursing Superintendent

Research Project:

Ongoing:

As Principal Investigator

1. "Knowledge, attitude and practices towards environmental cleaning in COVID-19 designated areas among Cleaning workers in western India"

Completed:

As Principal Investigator

1. **"**Awareness, Attitude, and Acceptability of Healthcare Workers About COVID-19 Vaccination in Western India"
2. "Status of Sero-positivity among asymptomatic frontline workers during the lockdown period due to Covid-19 Pandemic in Jodhpur"

As Co-Investigator

1. Anti-SARS-CoV-2 IgG status among frontline health workers involved in COVID-19 survey at Jodhpur, Rajasthan, India.

National/ International Conferences attended:

1. online conference on Non-alcoholic Fatty Liver Disease (NAFLD) Population-level Strategies for Prevention, organised by All India Institute of Medical Sciences, Jodhpur & Institute of Liver and Biliary Sciences, New Delhi, 7th June 2021.
2. International virtual conference SPNCON 2022 on theme pandemic and perioperative nursing practice. Organized by college of Nursing AIIMS Jodhpur, 24-25th March 2022.

Name of Faculty: Raghu VA
Designation: Tutor/ Clinical instructor (Nursing)

Invited Lecture

1. How to do a review of Literature. Research methodology and statistical analysis work shop, Society of cardia nurses (India) AIIMS, New Delhi.

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 assess the COVID-19 preventive practices among the health care worker and public visiting the AIIMS, Jodhpur hospital.

Name of Faculty: SK Mohanasundari
Designation: Tutor/ Clinical Instructor (Nursing)

Books/Chapters

1. Mohanasundari SK, Dr. S.Thanigainathan "Midwifery case book" 2nd edition, JBD publishers. 2021

Innovation:

1. Dr. S.Thanigainathan, Mohanasundari SK, Self-Administered device for collection of nasopharyngeal wash specimen for microbiological testing. Official Journal of The Patent Office. 2021; 42.

Name of Faculty: Joyce Joseph
Designation: Tutor/ Clinical Instructor (Nursing)

Research projects

Ongoing:

As co-investigator

1. Health related quality of life of employed and unemployed women-A cross sectional study

Completed:

As co-investigator

1. **A**cceptance and attitude of parents regarding COVID 19 vaccine in children-A cross sectional study
2. Knowledge and utilization of MCH services among mothers

National/ International Conferences attended:

1. International virtual conference SPNCON 2022 on theme pandemic and perioperative nursing practice. Organized by college of Nursing AIIMS Jodhpur, 24-25th March 2022.

Name of Faculty: Dr A Latha
Designation: Tutor/ Clinical Instructor (Nursing)

Papers Presented:

1. Latha A, Srinivasan S. Psychosocial suffering in palliative care: a review of two case studies.29th International conference of Indian association of Palliative Care, 11th-13 Feb 2022, Bhagwan Mahaveer Cancer Hospital and Research Centre, Jaipur.

Sessions Chaired:

1. Nurses in action -Best Practices in Empathy and Empowerment, 29th International conference of Indian association of Palliative Care, 11th -13th Feb 2022, Bhagwan Mahaveer Cancer Hospital And Research centre, Jaipur.

Membership/Post in Journal or Society or Association

1. Reviewer -Indian Journal of Palliative Care
2. Life Member: Trained Nurses Association of India No: 67473
3. Life Member :Society of Midwifery of India No:4582-2011
4. Life Member :Indian Association of Palliative care Membership No 001521
5. Life member of Nursing research Society of India Membership No:3022

National/ International Conferences attended:

1. 29th International conference of Indian association of Palliative Care. Organized by Bhagwan Mahaveer Cancer Hospital And Research Centre, Jaipur, 11-13th Feb 2022,
2. International Webinar series on Innovative teaching learning Strategies in Nursing -transforming teachers to mentors CARITAS. Organized by College of Nursing, Thellam, Kottayam.Kerala,India, 12th 19th, 26th Nov 2021.
3. International virtual conference SPNCON 2022 on theme pandemic and perioperative nursing practice. Organized by college of Nursing AIIMS Jodhpur, 24-25th March 2022.
4. Webinar 7 part series on Nursing in Palliative Care - Issues & Management. Organized by Karunasharaya, Bengaluru, 1st Oct-26th November 2021.

Name of Faculty: T Thuileiphy
Designation: Tutor/ Clinical Instructor (Nursing)

National/ International Conferences attended:

1. International virtual conference SPNCON 2022 on theme pandemic and perioperative nursing practice. Organized by college of Nursing AIIMS Jodhpur, 24-25th March 2022.
2. Empowered Nurses to empower nurses. Organized by TNAI, Delhi, 26th March 2022
3. Guest lecture on Recent Neurosurgical advancement in treatment of Drug resistance Epilepsy.

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.	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

Resource Person:

1. National Conference on Critical Thinking – A Key Skill For All Nurses,18th & 19th June 2021,Ojaswani College of Nursing Sagar (MP)

Examinership & Paper Setter

1. AIIMS, Jodhpur
2. AIIMS, Rishikesh
3. AIIMS, Bhubaneshwar
4. SGRD, Amritsar
5. RUHS, Jaipur

Conferences & workshops/ Webinar Attended:

1. Webinar on How to write papers that Editors want to Publish organized by BMJ, 09.04.2021.
2. International Webinar on Qualitative Research in nursing. Organized by Sri Ramakrishna College of Nursing, Coimbatore, 8th April 2021.
3. User Awareness Session: iThenticate, 09.03.2022
4. Second Annual National Conference of Epidemiology Foundation of India organized by Community Medicine and Family Medicine School of Public Health, All India Institute of Medical Sciences, Jodhpur, 29-30 October, 2021
5. International Workshop on Advance Statistical Data Analysis Using SPSS on organized by Science Tech Institute Lucknow, 21-27 Sep 2021
6. Approaches and Strategies in writing Systematic Review and Meta-analysis on organized by IAMBSS, 30 July-4 Aug 2021
7. Tips and Tricks on writing an effective scientific article: A roadmap from Research to Publication. Organized by IAMBSS, 12-17th July 2021
8. Peer review training. Organized by Willey, 30th July 2021.

Name of Faculty: Anant Chandrakant Chopade
Designation: Tutor/ Clinical Instructor (Nursing)

National/ International Conferences attended:

1. International virtual conference SPNCON 2022 on theme pandemic and perioperative nursing practice. Organized by college of Nursing AIIMS Jodhpur, 24-25th March 2022
2. Webinar on “Writing a Research article for publication in an academic journal. Organized by Commerce, Khalsa College of women, civil lines, Ludhiana, 5th Feb 2022.

Name of Faculty: Anoop Sharma
Designation: Tutor/ Clinical Instructor (Nursing) & Deputy Nursing Superintendent

Research Projects:

As Co-Investigator:

1. A Descriptive study to assess perceived stress and coping strategies among caregivers of intellectually disabled children residing in selected areas of Jodhpur with a view to develop an informational booklet."

National/ International Conferences attended:

1. International virtual conference SPNCON 2022 on theme pandemic and perioperative nursing practice. Organized by college of Nursing AIIMS Jodhpur, 24-25th March 2022

Name of Faculty: Asif Khan
Designation: Tutor/ Clinical Instructor (Nursing)

Research Project:

Ongoing:

As Co-investigator:

1. Drug attitude and medication adherence among patients with psychiatric illness: A cross sectional analytical study
2. Post COVID Psychological wellbeing among undergraduate nursing students: A cross sectional study.

Completed:

As Principal investigator:

1. A comparative study to assess the attitude towards suicide among late adolescent boys and girls in selected nursing colleges at Bhilwara.

As Co-investigator:

1. Knowledge and burden: caregivers of schizophrenia patients

Name of Faculty: Jaishri
Designation: Tutor/ Clinical Instructor (Nursing)

Research Project:

Ongoing:

As principal Investigator

1. "Evaluate the effectiveness of community re-entry programme on global functioning, medication adherence and relapse rate, among bipolar affective disorder patients at selected tertiary care hospitals, Jodhpur".

National/ International Conferences attended:

1. International virtual conference SPNCON 2022 on theme pandemic and perioperative nursing practice. Organized by college of Nursing AIIMS Jodhpur, 24-25th March 2022

Name of Faculty: Irasangappa Mudakavi
Designation: Tutor/ Clinical Instructor (Nursing)

Papers Presented:

1. Mudakavi. IB. International E-Conference on "Behavioral Addiction and Substance Use Disorders: Current Nursing Practice;28-29th January 2022, Organized by Dte. GHS, GOI &DYPU-SON, Mumbai in collaboration with GU-GCN, Udaipur, Johns-Hopkins SON, RAKCON, DU, LGBRIMH, Tezpur, AZINA-USA & ECHO India on.

Resource Faculty:

1. Common Mental Health Issues of Youth. National virtual conference on Adolescent Mental Health. 15th March 2022, Dinsha Patel College of Nursing, Nadiad, Gujarat

Research Project:

Ongoing:

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. "Level of nomophobia and its impact on mindfulness and self-efficacy among nursing officers–an analytical cross-sectional study". AIIMS Jodhpur.
2. "Factors Responsible for Perceived Stigma and Discrimination on Mental Illness: A Comparative Study". AIIMS Jodhpur.
3. "Lived experiences of individuals with DHAT syndrome admitted to inpatient Psychiatric unit of AIIMS Jodhpur: A qualitative study". AIIMS Jodhpur.

Completed:

As Co-Investigator

1. "Factors Responsible for Perceived Stigma and Discrimination on Mental Illness: A Comparative Study".
2. "Impact of Nurse-Led Medication Adherence Therapy on Bipolar Affective Disorder: A Randomized Controlled Trial". Dharwad Institute of Mental Health and Neurosciences Dharwad, Karnataka.

Membership/Post in Journal or Society or Association

1. Nursing Research Society of India

National/ International Conferences attended:

1. Empowered Nurses to Empower Nurses. Organized by TANI Delhi, 26th March 2022
2. International virtual conference SPNCON 2022 on theme pandemic and perioperative nursing practice. Organized by college of Nursing AIIMS Jodhpur, 24-25th March 2022
3. Intervention to Prevent Adolescent Mental Health Issues. Organized by Dinsha Patel College of Nursing. Nadiad, Gujarat. 15th March 2022
4. International Virtual Conference on Behavioral Addiction & Substance Use Disorder: Current Nursing Practice. Organized by GHS, GOI &DYPU-SON, Mumbai in collaboration with GU-GCN, Udaipur, Johns-Hopkins SON, RAKCON, DU, LGBRIMH, Tezpur, AZINA-USA & ECHO, 28-29th Jan 2022
5. Capacity Building Workshop on Rational Use of Oxygen Administration-Nursing Perspectives. Organized by MoH&FW Govt. of India and AIIMS New Delhi, 27th Jan 2022
6. International Virtual Conference on Clinical Integration: Need of the Hour. Organized by College of Nursing, AIIMS, Bhubaneshwar, 20-21st Jan 2022
7. Safe Abortion: Evidence and Right Value/ Attitudes. Organized by WHO, TNAI & Women in Global Health India, 22nd Dec 202
8. Skill Standardization & Simulation Training (Experience sharing). Organized by College of Nursing, AIIMS, Jodhpur, 10th Dec 2021
9. World AIDS Day- 2021: End Inequalities. End AIDS**.** Organized by College of Nursing, AIIMS, Jodhpur, 1st Dec 2021
10. Live Learning Webinar on Climate Change for Health. Organized by WHO & ECHO India, 15-18th Nov 2021
11. International Webinar: Trauma assessment and Nursing management by Nurse Practitioners-critical care. Organized by ECHO India 17th Oct 2021
12. Online CME on Wellbeing Essentials for Youth. Organized by Dept. of Psychiatry, AIIMS Jodhpur, 23rd Oct 2021
13. Doctoral Nursing Education in South Asia: Issues, Challenges and Way Forward. Organized by International Network of Doctoral Education in Nursing, 15th Sep 2021
14. Redefining Nursing Education: The Road to Excellence. Organized by Elsevier, 9th Sep 2021
15. Evidence-Based Behavioral Research. Organized by Datta Meghe Institute of Medical Sciences, RMCON, Wardha, 1-2nd Jul 2021
16. Reviewer's Training Workshop. KGMU, QAC and Elsevier, 21-30 Jun 2021
17. International Nursing Diabetes and Endocrine Conference. DECON, ISE, ESI, SPN, CCN, 19-20 Jun 2021
18. Leveraging Global Partnership in Addressing COVID Related Menta; Health: A Webinar Series. Johns Hopkins School of Nursing, 11,18, 21 June, 9 & 16 July 2021
19. The Transformation of Nursing amidst the Pandemic: Experience and Reflections from the First and Second Waves. Ramaiah Medical College, 28th May 2021
20. Panel Discussion on A Voice to Lead- A Vision for Future Healthcare. G H Patel School and College of Nursing, 12th May 2021
21. Nursing Education during Pandemic. College of Nursing, AIIMS, Jodhpur, 24th April 2021
22. Medical Healthcare Transformation: New Normal to Next Normal. WHC program, 15-16th April 2021
23. International Webinar on Qualitative Research in Nursing. College of Nursing, Shri Ramkrishna Institution, Coimbatore, 8-8th April 2021
24. Building a Fairer, Healthier World. College of Nursing, AIIMS, Jodhpur, 7th April 2021

Name of Faculty: Sanjay Sevak
Designation: Tutor/ Clinical Instructor (Nursing)

Resource Faculty:

1. Research methodology course on "Basics of sampling and Probability sampling techniques"12th November 2021. College of Nursing AIIMS Jodhpur.
2. Guest lecture on "Stress and Positive mental health" 28/03/2022. BVDU College of Nursing, Navi Mumbai.

Research Project:

Ongoing

As Co-Investigator

1. A Cross-sectional Study to Assess the Impact of Magnification of Health Warning on Tobacco Product in terms of attitude towards abstinence on use of tobacco among the outpatients of AIIMS, Jodhpur.

Membership/Post in Journal or Society or Association

1. Member. Society of preoperative nursing - 19/02/22

National/ International Conferences attended:

1. American Heart Association (AHA) certified "Basic life support certified course" organizing by Department of Anaesthesiology and Critical care, All India Institute of Medical Sciences, Jodhpur, 10/3/2022.
2. Reviewers Training Workshop. Organised by Elsevier, 21 June 2021 to 30 June 2021.
3. Online course on "Depression and CBT" Organized by Dept. of Mental health and behaviour science Fortis hospital, 4-5th Aug 2021.
4. International webinar on "Qualitative research in Nursing" organised by Shi Ramakrishna Institute of Paramedical Sciences, Coimbatore, 08/04/2021 to 09/04/2021.
5. International 3 days Webinar on "Nursing Research Methodology" organised by Alamdar Memorial College of Nursing and Medical technologies Charar-E- Sharif Budgam, Kashmir from 25th-26th June 2021.
6. Certification course by National Programme Technology Enhanced Learning (NPTEL) on "Stress Management" funded by Ministry of HRD Govt. of India, July to August, 2021.
7. Certification course by NIE-ICMR on "Basic Research fundamental" funded by Ministry of HRD Govt. of India, July to September 2021.

School of Public Health (SPH)

(School of Public Health, All India Institute Medical Sciences, Jodhpur, Rajasthan, India)

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. This program is intended for working professionals sponsored from State and Central organizations, as well as for those working in private organizations from diverse sectors including health and social services, community organizations, Education, Clinical Research, Medicine, and Pharmaceutical companies

SPH was started in 2017 and till date four batches of MPH program and one batch of Executive Program in Public Health Policy, Leadership & Management have passed. Currently SPH has two batches of MPH (2021 & 2022) and one batch of Executive Program. Students of SPH apart from classroom teaching & training have been provided opportunity of internships/ observer-ship at various governmental organization and reputed NGO's such as SIHFW – Rajasthan (Jaipur), NIHFW – New Delhi, NHM – Rajasthan, NHSRC – New Delhi, Care India, Help Age International, Engender Health, Regional Medicine Research Centre (RMRC) – Bhubaneshwar, DMRC Jodhpur, ISRO, Jodhpur, Department of Social Justice and Empowerment, Jodhpur etc. to gain an understanding of the policy process; to refine the knowledge of the principles of health equity across all genders and age groups; for an insight to the process of health technology assessment; and to have an experience of a core institute dedicated to research process. Students of earlier batch have been offered placements in various reputed governmental & non-governmental agencies such as DMRC, INCELN, National Institute of Tuberculosis and Respiratory Diseases, Care India, RMRC, PGIMER, NHSRC, ICMR etc.

Workshops/ Outreach Activities Organized:

Sr. No.	Name of Workshop/Outreach Activities	Date
1.	Organized a series of training of Trainers "Screening of Common Cancer in State Medical & Health Department Govt. of Rajasthan	April 05 – April 09, 2021 June 07 – June 11, 2021 February 21 – February 25, 2022

Sr. No.	Name of Workshop/Outreach Activities	Date
2.	Workshop on "Health Technology Assessment in Public Health: New Dimension" conducted in collaboration with resource center HTA, AIIMS Jodhpur	April 09 – April 10, 2021
3.	National Webinar Addressing Diabetes Mellitus through Front of Package Labelling in India organized in collaboration with AIIMS Rishikesh	June 28, 2021
4.	Online CME : Statistics in Health Research on National Statistics Day 2021	June 29, 2021
5.	Webinar FoPL: Why Health Star Rating Label is not Suitable for India	September 14, 2021
6.	Webinar Digital Equity for all Ages (International Day of Older People)	October 01, 2021
7.	International day for the elderly Dialogue for health awareness with older people on international day for the elderly day	October 01, 2021
8.	World Mental Health Day commemorated to honour the healthcare workers who worked dedicatedly in Covid 19 pandemic	October 10, 2021
9.	Webinars on Therapeutic Diets from September 2021 to November 2021 "Global Handwashing Day"	October 12, 2021
10.	Interactive talk show on World Food Day	October 16, 2021
11.	Webinar on the " Informed consent " on the occasion of World Bioethics Day 2021.	October 19, 2021
12.	Pre Conference of Epidemiology Foundation of India - EFICON 2021	October 26-28,2021
13.	Conference Second Annual National Conference of Epidemiology Foundation of India - EFICON 2021	October 29-30,2021
14.	Organize a Training of Medical Officers in comprehensive Geriatric Care	March 21 – March 23, 2022
15.	Active participation in National Training Workshop on Strengthening Monitoring and Evaluation of NTCP/MPOWER in the country-prioritizing and reorienting Public Health Institutes and National Institutes of Eminence organized by The UNION at Bengaluru	December 14 – December 17, 2021
16.	Commemorated World Cancer Day on 4th February 2022 for raising awareness and sensitizing public about theme, “Close the Care Gap”.	February 4, 2022
17.	Patient sensitization on World TB day	March 24, 2022
18.	Health awareness activity for tribal population in Abu Road Sirohi	March 21 to March 23, 2022

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	Ongoing
3.	Risk factors for developing symptomatic COVID-19 as compared to asymptomatic SARS-CoV2 infection in Jodhpur, India.	Completed
4.	"A phase III, randomized, multi-center, double blind, placebo controlled, study to evaluate efficacy, safety and immunogenicity of Novel Corona Virus -2019- nCov vaccine candidate of M/s Cadila Healthcare Limited."	Completed
5.	National Clinical Registry COVID-19: ICMR	Ongoing
6.	Risk factors for SARS-CoV-2 infection among health care workers in India: A Case Control Study	Completed
7.	Introduction of the WHO ICOPE (Integrated Care Older Persons) model of assessment, care and referral of older persons in a low resource rural – tribal primary care setting in India.	Completed
8.	Assessment of Nikshay Poshan Yojana in Jodhpur: A Mixed Methods Implementation Research	Completed
9.	Assessment of Physical activity, Screen time and Sleep status among School Children of Jodhpur, during the COVID-19 pandemic.	Completed
10.	Work-related Musculoskeletal disorders among health care workers in a tertiary care hospital and its attached rural and urban health training centres.	Completed
11.	Assessment and Utilization of Janani express (104 Ambulance) program in Jodhpur district, Rajasthan.	Completed
12.	Impact of restrictions during second wave of COVID 19 on services for Drug resistant Tuberculosis patients at Jodhpur, India.	Completed
13.	Facilitators and barriers in Implementation of Telemedicine guidelines and level of patient satisfaction during Covid-19 at a Tertiary care hospital in Jodhpur	Completed
14.	A study to assess Unmet need of family planning services in reproductive age woman in Rajasthan- A Mixed Method Study	Completed
15.	Complementary and alternative medicine (CAM) usage and adherence among type 2 diabetes mellitus patients in an urban area of Jodhpur: A cross-sectional study.	Completed
16.	A study on challenges faced by cancer patient in receiving health services during Covid-19 pandemic in a tertiary care hospital in Jodhpur	Completed
17.	Profile, Outcomes and Challenges in Treatment of Tuberculosis in Elderly patients in Jodhpur District – A Mixed Methods Study	Completed

S. No.	Name of Project	Status
18.	A study to assess the patient safety culture among healthcare providers in a tertiary healthcare facility in Western Rajasthan	Completed
19.	Compliance assessment of cigarette and other tobacco products act in public places and academic institute of Jodhpur city of Rajasthan.	Completed
20.	Challenges faced by caregivers visiting Pediatric Emergency at tertiary hospital in Western Rajasthan during covid 19	Completed
21.	COVID-19 pandemic and perinatal outcomes in a tertiary care centre in Jodhpur, India.	Completed

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 and 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

S. No	Name of Faculty	Designation
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

Publications :

1. Joshi V, Bhardwaj P, Joshi NK, Singh K, Bajaj K, Suthar P. A Scoping review of challenges, scope and assessment approaches of tele-dentistry: An Indian perspective. Indian J Community Health [Internet]. 2021 Dec. 31
2. Jain YK, Joshi NK, Shah KR, Chittora I, Joshi V. Intravenous verses oral iron supplementation for anaemia of pregnancy in the arid region of Western India: a retrospective cohort study. Int J Reprod Contracept Obstet Gynecol 2022;11:1177-80
3. Mathur A, Bhardwaj P, Joshi N, Jain Y, Singh K. Intrinsic Capacity of Rural Elderly in Thar Desert using WHO ICOPE (Integrated Care for Older Persons) Screening Tool: A Pilot Study. 2022; medRxiv
4. Mantri, Neha1; Joshi, Nitin K.; Bhardwaj, Pankaj; Manda, Balwant4; Joshi, Vibha; Singh, Kuldeep; Passi, Rakesh. Assessment of e-aushadhi program (drug inventory e-health initiative in Rajasthan) using benefit evaluation framework, Journal of Family Medicine and Primary Care: May 2022 - Volume 11 - Issue 5 - p 2038-2044 doi: 10.4103/jfmpc.jfmpc_2047_21
5. Joshi V, Hanumantha Setty N, Joshi N, Jain Y, Bhardwaj P, Singh K. Mental health and nutritional issues: a dual burden among adolescent school going girls of urban and rural Jodhpur. International Journal of Community Medicine And Public Health. 2021;8(12):5823.
6. Joshi NK, Bhardwaj P, Suthar P, Singh K, Joshi V, Manda B. Economic analysis of ASHA-soft programme (online payment and monitoring system) in Jodhpur, Rajasthan, Journal of Family Medicine and Primary Care: March 2022 - Volume 11 - Issue 3 - p 1040-1046 doi: 10.4103/jfmpc.jfmpc_1266_21
7. Bhardwaj P, Saxena D, Joshi N, Mantri N, Suthar P, Low Birth weight in new born, anaemia in pregnancy in Fluoride endemic areas of Rajasthan, International Journal of Epidemiology, Volume 50, Issue Supplement_1, September 2021,https://doi.org/10.1093/ije/dyab168.077.
8. Joshi NK, Bhardwaj P, Saxena D, Suthar P, Joshi V. Approaches to assess e-Health programs: A scoping review. Indian J Community Med 2021;46:2021.
9. Jain YK, Joshi NK, Bhardwaj P, Singh K, Suthar P, Joshi V. Developing a health-promoting school using knowledge to action framework. J Edu Health Promotion 2021;10:306
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11. Patel M, Goel AD, Bhardwaj P, et al. Emerging and re-emerging viral infections in India. Journal of Preventive Medicine and Hygiene. 2021 Sep;62(3):E628-E634. DOI: 10.15167/2421-4248/jpmh2021.62.3.1899. PMID: 34909490; PMCID: PMC8639133.

12. Kumar N, Joshi NK, Jain YK, Singh K, Bhardwaj P, Suthar P, Manda B, Kirti R Challenges, Barriers and Good Practices in the Implementation of Rashtriya Bal Swasthya Karyakram (RBSK) in Jodhpur. Ann Natl Acad Med Sci 2021; 57(04): 237-243 DOI: 10.1055/s-0041-1739032
13. Joshi NK, Jain YK, Joshi V, Kumar N, Sharma J, Bhardwaj P. Assessment of Health-Related Quality of Life in NCD patients. International Journal of Public Health Science. 2021. Vol. 10, No. 4, December 2021, pp. 724~729.
14. Rishabh, Jain N, Joshi NK, Bhardwaj P, Goel A, Gupta M Out-of-pocket spending on hypertension and diabetes among patients reporting in a health -care teaching institute of the Western Rajasthan, Journal of Family Medicine and Primary Care: March 2022 - Volume 11 - Issue 3 - p 1083-1088 doi: 10.4103/jfmpc.jfmpc_998_21
15. Joshi V, Joshi NK, Suthar P, Jain YK. NCD Risk Factors among Government School Teachers in Jodhpur, Rajasthan. International Journal of Public Health Science. Vol. 10, No. 4, December 2021, pp. 920~926
16. Joshi NK, Pankaj B, Kuldeep S, Vibha J, Praveen S. Assessment of Computerized Medical Equipment Management and Maintenance System From Health Technology Assessment (HTA) Perspective: Need and Approach. Health Technology Assessment in Action 4(2). e 6232 doi: 10.18502/htaa.v4i2.6232.

Book Chapter

1. Joshi NK, Akhil G, Pankaj B. Containment strategies to prevent spread in different societies and cultures.The Coronavirus Pandemic and The Future Print ISBN: 978-1-83916-306-7 Royal Society of Chemistry(UK). 2021.



Residents of School of Public health performing a street play for patients during the Swachhata Pakhwada, OPD foyer, AIIMS Jodhpur



Staff and Residents during the awareness program on the occasion of World Cancer Day 2022

दैनिक भास्कर

जोधपुर 05-02-2022

विश्व कैंसर दिवस • एम्स में जन जागरूकता के लिए कार्यशाला आयोजित

आधुनिक जीवनशैली कैंसर का मुख्य कारण: भारद्वाज

हेल्थ रिपोर्टर | जोधपुर

दैनिक भास्कर

अखिल भारतीय आयुर्विज्ञान संस्थान (एम्स) के स्कूल ऑफ पब्लिक हेल्थ की ओर से विश्व कैंसर दिवस पर शुक्रवार को जागरूकता कार्यशाला आयोजित की गई। विश्व कैंसर दिवस की इस साल की थीम 'क्लोज द केयर गैप' रखी गई है।

कार्यशाला में स्कूल ऑफ पब्लिक हेल्थ के को-ऑर्डिनेटर डॉ. पंकज भारद्वाज ने कहा कि कैंसर शरीर में कोशिकाओं के असामान्य रूप से बढ़ने की बीमारी है। ब्रेस्ट कैंसर, मुंह का कैंसर, गले का कैंसर, ब्रेन कैंसर, फेफड़ों का कैंसर प्रमुख कैंसर के प्रकार हैं। इसका मुख्य कारण तंबाकू सेवन, शराब का सेवन, अत्यधिक धूम्रपान आदि है वहीं आधुनिक जीवनशैली भी इसका बड़ा कारण है। व्यक्ति का खान-पान और रख-रखाव कारण है। समय रहते कैंसर का पता चलने पर इसका इलाज संभव है।



विशेषज्ञों ने कहा कि कैंसर का प्रारंभिक स्तर पर पता चलने पर इलाज संभव है।

बीड़ी में लाइनिंग व फिल्टर नहीं होती, धुआं शरीर में जाने से होता है कैंसर: परमार

द इंटरनेशनल यूनियन अगेंस्ट ट्यूबरक्लोसिस एंड डिजीज के रिसर्च एसोसिएट डॉ. मुकेश सी परमार ने कहा कि बीड़ी पीने से कैंसर होता है। बीड़ी में कोई लाइनिंग या फिल्टर नहीं होती है। इससे धुआं शरीर के अंदर जाता है और कैंसर हो सकता है। डॉ. योगेश जैन ने बताया कि राष्ट्रीय और राज्य स्तर पर बीड़ी उद्योग का उत्पादन, अर्थव्यवस्था में बीड़ी व्यापार के आर्थिक योगदान, बीड़ी के सेवन से होने वाला आर्थिक और स्वास्थ्य भार पर राष्ट्रीय रिपोर्ट और राज्य स्तरीय तथ्यों को अध्ययन जरूरी है।

Press coverage of World cancer day programs conducted by SPH at AIIMS Jodhpur



Organizers and delegated during the Executive Program in Public Health Policy, Leadership and Management 2022



Eminent speakers during the online sessions of EFICON 2021

Webinar on the "Informed Consent"

on the occasion of World Bioethics Day 2021

organized by
UNESCO Chair of Bioethics
& School of Public Health AIIMS, Jodhpur

World Bioethics Day

Date: 19th October, 2021 • Time: 11am to 12 pm

Click on link for join : https://meet.google.com/wwu-fxoe-zas



Dr Sanjeev Misra
Director & CEO
AIIMS Jodhpur



Dr Kuldeep Singh
Dean Academics,
Head of Department, Pediatrics
AIIMS Jodhpur



Dr Pankaj Bhardwaj
Additional Professor, CMFM
Coordinator, School of Public Health
AIIMS Jodhpur

SPEAKERS



Dr Pankaj B. Shah
Professor & Head,
Dept of Community Medicine,
SRMC & RI, SRIHER, Chennai



Dr Mala Ramanathan
Professor, Achutha Menon
Centre for Health Science Studies,
SCTIMST, Thiruvananthapuram



Dr Abhinav Dixit
Professor
Department of Physiology,
AIIMS Jodhpur

COORDINATORS:

Dr. Akhil Danesh Goel
Associate Professor
Community Medicine & Family Medicine
AIIMS Jodhpur

Dr. Nitin Joshi
School of Public Health
AIIMS Jodhpur

Dr. Divya Gehlot
MPH Scholar
School of Public Health
AIIMS Jodhpur

Dr. Krishna Prajapat
MPH Scholar
School of Public Health
AIIMS Jodhpur

Webinar on “Informed Consent”, World Bioethics Day, AIIMS Jodhpur

Construction
&
Development
at AIIMS

Engineering Department, AIIMS Jodhpur

S.no.	Name	Designation
1	Er. Pankaj Saxena	Executive Engineer (Electrical) (Looking after charge of Superintending Engineer)
2	Er. Chandresh Pareek	Assistant Engineer (Civil) (Looking after charge of Executive Engineer -Civil)
3	Er. Rajendra Choudhary	Assistant Engineer (Electrical)
4	Er. Harshit Bhandari	Junior Engineer (Electrical) (Looking after charge of Assistant Engineer Electrical)
5	Er. Ajit Kumar	Junior Engineer (Electrical)
6	Er. Akshay Gupta	Junior Engineer (Electrical)
7	Er. Vishal Garg	Junior Engineer (Civil)
8	Er. Krishna Gopal Dass	Junior Engineer (Civil)
9	Er. Sunil Kumar Bhadala	Junior Engineer (Civil)
10	Er. Jitendra Singh Rajpurohit	Junior Engineer (AC&R)
11	Er. Rahul Tak	Junior Engineer (AC&R)
12	Er. Himanshu Kaushik	Junior Engineer (AC&R)

Project Consultants
M/s HLL INFRA TECH SERVICES LTD.
(Since April, 2016)

S.No.	Name	Designation
1.	Er. Yogesh Mathur	Project Engineer (Civil) Transferred by PC-HITES on **08.11.2021**)
2.	Er. Varun Kumar	Assistant Project Engineer (Mechanical)

Engineering Officers
(Engaged through Outsourcing)

S.No.	Name	Designation
1.	Er. Mridul Mathur	Gas Officer (Mechanical)
2.	Er. Kunal Utralia	Junior Engineer (Electrical)
3.	Er. Gaurav Sharma	Junior Engineer (Electrical)
4.	Er. Kailash Paliwal	Junior Engineer (Electrical)
5.	Er. Piyush Bohra	Junior Engineer (IT)
6.	Er. Gaurav Sawriya	Junior Engineer (Mechanical)
7.	Er. Madhav Ram	Junior Engineer (Civil)
8.	Er. Neelu Mathur	Junior Engineer (Civil)
9.	Er. Akhil U.V. Singh	Junior Engineer (Civil)

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 upto 31st 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

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
	Total		**43,950**

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
	Total		**1,02,686**

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

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

Works done by CPWD for AIIMS Jodhpur

(FY 2021-22)

Works Executed Through CPWD in FY 2021-22 (COMPLETED WORKS)						
S.No.	**Name of Work**	**Sanctioned Cost (Rs. In Crore)**	**Date of Commencement**	**Date of Completion**	**Progress upto 31st March 2022**	**Remarks**
1.	C/o Central Animal House AIIMS at Basni, Jodhpur (Raj.).	8.91	Dec' 2018	Nov.' 2021	100%	Work completed.
2.	Providing and fixing portable structure in connecting corridor terrace of OPD and D&T at AIIMS Jodhpur.	0.71	May'2021	Dec.'2021	100%	Work has been completed & handed over.
3.	C/o Temporary Store near Proposed Dharmshala at Campus-I, AIIMS Jodhpur.	0.38	May'2021	Oct'2021	100%	Work has been completed & handed over.
4.	Partition work in corridor near Pathology lab at D&T OT First Floor AIIMS Jodhpur.	0.21	April'2021	Aug.'2021	100%	Work has been completed & handed over.
5.	Providing and fixing Long Span Shelving/Racking System in store room No. 1 of Central Store at AIIMS Jodhpur.	0.41	May'2021	Sept.'2021	100%	Work has been completed & handed over.
6.	Providing and Laying granite flooring work in IPD at G.F. at AIIMS, Jodhpur	0.36	Oct.'2021	March'2022	100%	Work Completed.

Works Being Executed Through CPWD in FY 2021-22 (WORKS IN PROGRESS)						
S.No.	**Name of Work**	**Sanctioned Cost (Rs. In Crore)**	**Date of Commencement**	**Target Date of Completion**	**Progress upto 31st March 2022**	**Remarks**
1.	C/o New Boys Hostel for 300 Students & Construction of New Girls Hostel for 350 Students at AIIMS, Jodhpur	73.68	Sept' 2019	Jun' 2022	95%	Boys Hostel completed and Handed over in January,2022 & Girls Hostel 95% completed upto March 2022.
2.	Construction of Student Activity Centre at AIIMS Jodhpur.	25.03	Mar' 2020	July'2022	71%	All the RCC works completed except some columns & deck slab of badminton court. Almost all masonry work is completed expect some work in badminton court plastering & flooring work in progress.
3.	C/o 100 Type V Quarters at AIIMS, Jodhpur	98.94	Jan' 2020	Tower-I to be completed in June-2022. Tower is in August 2022 and Tower-III in October 2022.	62%	In tower I, 95% flooring completed, door chowkhats, putty work completed. Tower II, Casting of 7th floor slab completed. Gypsum plaster and plumbing work completed up to 6th floor. Tower III, F/F slab for 2 Qtrs. casted. Due to Covid-19 Epidemic and subsequent Lockdown by State Government work stopped in month of April and May. Efforts are put in to increase labour and expedite progress of work. At present 383 labours working at site.

4.	Construction of Administrative Building at AIIMS Jodhpur.	98.91	Dec.'2021	June'2023	8%	Work has been started and Earth work, barricading completed. Structural drawings issued to agency on 02.04.2022 PCC and reinforce cutting started. Shifting of services and transplant of trees in progress.
5.	Renovation of Ground Floor of Mess including electrical works in AIIMS Campus Jodhpur.	4.98	May'2021	July'2022	70%	Flooring in Dining Block I & Kitchen area completed. Dinning Block II is under occupation of clients.
6.	Repair of Upgradation work at Director office, DDA office and Conference room at AIIMS Jodhpur.	0.29	Sep.'2021	Jan'2022	99%	Work completed except conference room
6.	Partition Work in F.A. Section at Third floor & Dean Academic Section at Second Floor and Supply & Installation of Furniture for Director Chamber, DDA Room & Conference Room in Medical College Building, AIIMS, Jodhpur, Rajasthan.	0.63	Oct'2021	May'2022	85%	Panelling work in store/FA room completed. Some chairs yet to supply.
7.	Providing & Fixing Portable Structure in Connecting corridor terrace For Milk Bank, AIIMS Jodhpur.	1.36	Dec.'2021	May'2022	60%	Roofing windows completed. Wall paneling in progress. Toilet completed, Flooring in progress.
8.	Construction of Boundary wall around the pocket near gate no 7 and providing and laying DI pipe line at AIIMS, Jodhpur	1.65	Dec.'2021	June'2022	40%	Work started and physical progress is 40%.
9.	Construction of acoustically treated Audiometric Testing two room set up and Speech Therapy three room set up in the department of ENT Block at AIIMS Jodhpur	0.34	Dec.'2021	June'2022	60%	Material procured. Physical progress is 60%.



Engering Team



New Boys Hostel



Administrative Building





New Girls Hostel



Inauguration of Neurology & Neurosurgery ICU D&T OT 5th Floor



Inauguration of Orthodontics Section



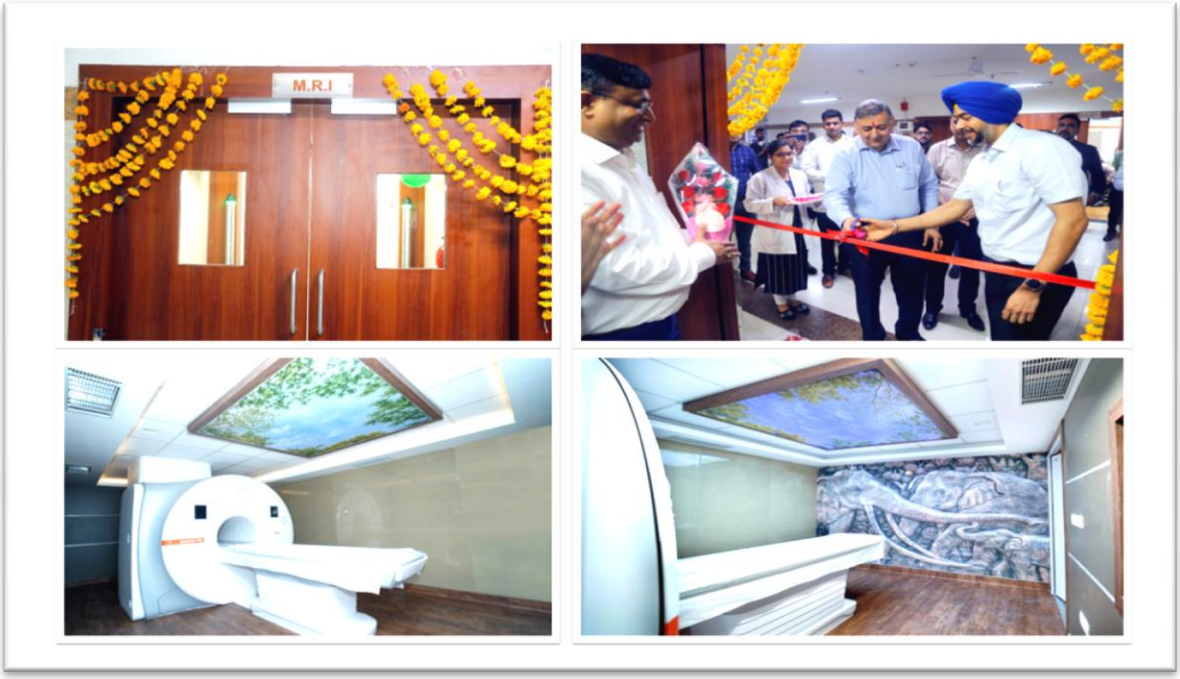
Inauguration of Transplant Unit



Independence Day Lighting



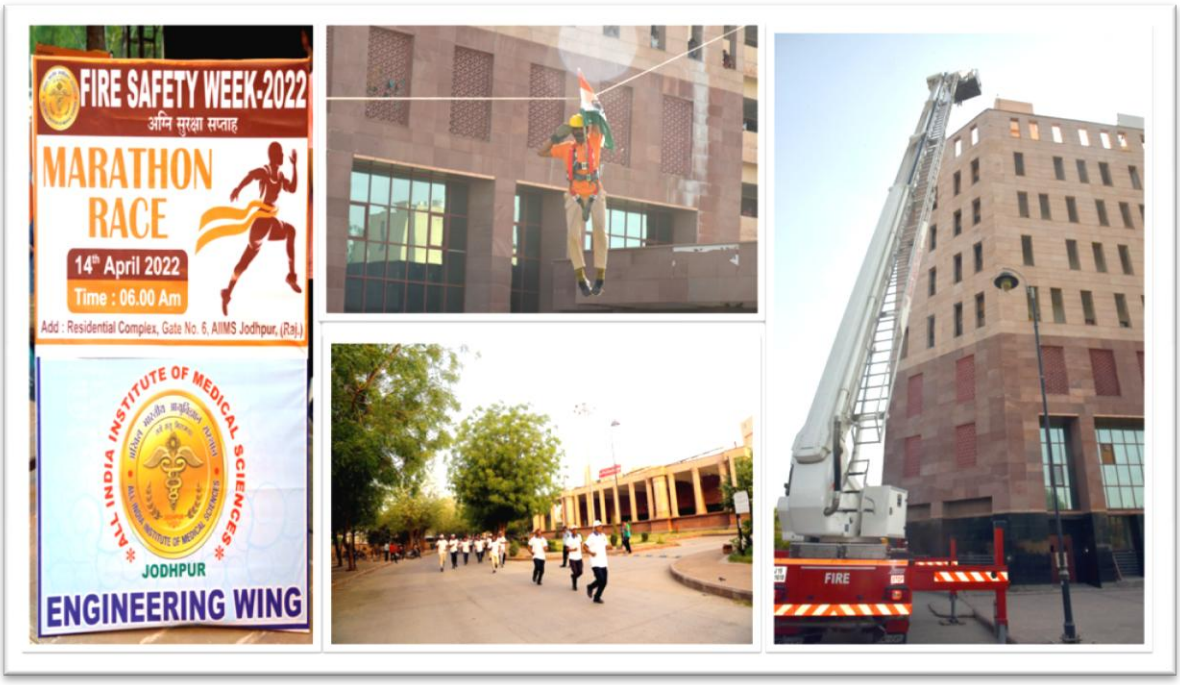
TEJAS 2021



Inuaguration of M.R.I Machine



Pledge on Swachhta Pakhwada



12.Fire Safety Week 2022

Audited Annual Accounts



ALL INDIA INSTITUTE OF MEDICAL SCIENCES,

JODHPUR

FINANCIAL STATEMENTS FOR THE FINANCIAL YEAR

2021-22

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR (RAJASTHAN)

AIIMS/JDH/DDO/2022-23/ 242 **DATE-** 17-10-2022

प्रति,

श्रीमान प्रशासनिक अधिकारी,
अखिल भारतीय आयुर्विज्ञान संस्थान,
जोधपुर ,राजस्थान

विषय:- वार्षिक रिपोर्ट में वार्षिक लेखा रिपोर्ट जोड़ने के संबंध में।

श्रीमान,

उपर्युक्त विषय के संदर्भ में, यह कहा गया है कि वार्षिक रिपोर्ट में जोड़ने के लिए वित्तीय वर्ष 2021-22 की लेखा परीक्षित वार्षिक लेखा रिपोर्ट (वित्तीय विवरण) संलग्न है।

आवश्यक कार्रवाई हेतु प्रेषित है।

(अमित मुंधड़ा)
वित्त एवं मुख्य लेखा अधिकारी

संलग्न:-

1. वित्तीय विवरण

आज़ादी का अमृत महोत्सव

सत्यमेव जयते

भारतीय लेखापरीक्षा और लेखा विभाग
कार्यालय प्रधान निदेशक लेखापरीक्षा (केन्द्रीय), अहमदाबाद
शाखा कार्यालय राजस्थान, जनपथ, जयपुर-302005

INDIAN AUDIT AND ACCOUNTS DEPARTMENT
Office of the Principal Director of Audit (Central), Ahmedabad
Branch Office Rajasthan, Janpath, Jaipur-302005

क्रमांकः सी.आर.ए.II(व्यय)/एस.ए.आर./अभाआसं/21-22/586

दिनांकः 04.10.2022

5274
11/10/22

सेवामें,
सचिव, भारत सरकार
स्वास्थ्य एवं परिवार कल्याण मंत्रालय,
कमरा नं. 348, 'ई' विंग,
निर्माण भवन, नई दिल्ली-110011

विषयः अखिल भारतीय आयुर्विज्ञान संस्थान, जोधपुर के वर्ष 2021-22 के लेखाओं पर पृथक लेखापरीक्षा प्रतिवेदन।

महोदय,

कृपया वार्षिक लेखों की प्रति के साथ वर्ष 2021-22 के लिए अखिल भारतीय आयुर्विज्ञान संस्थान, जोधपुर के लेखों पर पृथक लेखापरीक्षा प्रतिवेदन संलग्न है।

2. 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 देवें।

संलग्नः उपरोक्तानुसार।

भवनिष्ठ,

निदेशक/सी.आर.ए.-II

Mahalekhakar Bhawan, Janpath, Jaipur-302005
PBAX: 0141-2385430-39

महालेखाकार भवन, जनपथ, जयपुर-302005
ई-मेल / E-mail : brpdacahmedabad@cag.gov.in

क्रमांकःसी.आर.ए.II(व्यय)/एस.ए.आर./अभाआसं/21-22/587 दिनांकः 04.10.2022

पृथक लेखापरीक्षा प्रतिवेदन और लेखापरीक्षित लेखों की प्रति **निदेशक, अखिल भारतीय आयुर्विज्ञान संस्थान, बासनी फेज-II, जोधपुर-342015** को इस टिप्पणी के साथ अग्रेषित 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" |

हिंदी अनुवाद की एक प्रति इस कार्यालय को भी प्रेषित करें।

संलग्नः उपरोक्तानुसार।

निदेशक/सी.आर.ए.-II

Separate Audit Report of the Comptroller and Auditor General of India on the accounts of All India Institute of Medical Sciences, Jodhpur, Rajasthan for the year ended 31 March 2022

We have audited the attached Balance Sheet of All India Institute of Medical Sciences (AIIMS), Jodhpur, Rajasthan as at 31 March 2022, the Income and Expenditure Account and the Receipts and Payments Account for year ended on that date under Section 19(2) of the Comptroller and Auditor General's (Duties, Powers and 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 (SAR) contains the comments of the Comptroller and 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 and 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, evidences 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 and Expenditure Account and Receipts and Payments Account dealt with by this report have been drawn up in the format approved by Ministry of Finance, Government of India (GoI).

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. General

A reference is invited towards the Schedule-7(B) of the 'Uniform Format of Accounts' issued for preparation of accounts of the autonomous bodies, in which it has been stated that the Provision for liability towards Gratuity, Superannuation/Pension and Accumulated leave needs to be made on actuarial valuation basis. Further, Accounting Standard-15 (Employee Benefit) also provides that an entity should recognise the future expenses in its financial statements based on actuarial valuation.

AIIMS, Jodhpur has not made provision for retirement benefit on the basis of actuarial valuation.

This comment was also made in the previous SARs, yet the same could not be rectified and the same practice is followed in this year also.

B. Grants-in-aid

During the financial year 2021-22, AIIMS, Jodhpur received Grants-in-aid of ₹ 818.40 crore from the Ministry of Health and Family Welfare (MoHFW), GoI. A balance of unspent grant of ₹ 143.99 crore was available at the beginning of the year. Out of the total available grant of ₹ 962.39 crore, the AIIMS, Jodhpur could utilise a sum of ₹ 762.49 crore leaving a balance of ₹ 199.90 crore at the end of the financial year.

C. 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 and Expenditure Account and Receipts and Payments Account dealt with by this report are in agreement 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 AIIMS, Jodhpur as at 31 March 2022, and

b. In so far as it relates to Income and 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 :

V.N. Kothari

Principal Director of Audit (Central) Ahmedabad

Annexure

1. **Adequacy of Internal Audit System**

   No Internal Audit Wing is established in the Institute. No internal audit was carried out during the year 2021-22. Internal audit of the Institute was last carried out in the month of September 2015 by the MoHFW. As such, Internal Audit System in the Institute was inadequate.

2. **Adequacy of Internal Control System**

   The Internal Control System was adequate as per the size of the AIIMS, Jodhpur. However, AIIMS, Jodhpur does not have its own separate Accounting Manual. Rules and Regulations as prescribed by the GoI were being followed.

3. **Physical Verification of Fixed Assets**

   Physical verification of fixed assets was conducted for the year 2021-22.

4. **Physical Verification of Inventory**

   Physical verification of inventory was conducted for the year 2021-22.

5. **Regularity in payment of statutory dues**

   Statutory dues were being deposited by the Institute on regular basis.

Sr. Audit Officer /CRA-II(Exp.)

ALL INDIA INSTITUTE OF MEDICAL SCIENCES
JODHPUR

Financial Statements for the Financial Year
2021-22

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR

BALANCE SHEET AS AT 31st MARCH 2022

(Amount - Rs.)

S. No.	PARTICULARS	SCHEDULE	Current Year	Previous Year
	CORPUS / CAPITAL FUND AND LIABILITIES			
a)	CORPUS / CAPITAL FUND	1	1,33,33,78,932	97,97,00,273
b)	RESERVES AND SURPLUS	2	-	-
c)	EARMARKED / ENDOWMENT FUNDS	3	6,79,92,48,916	5,54,77,73,695
d)	SECURED LOANS AND BORROWINGS	4	-	-
e)	UNSECURED LOANS AND BORROWINGS	5	-	-
f)	DEFERRED CREDIT LIABILITIES	6	-	-
g)	CURRENT LIABILITIES AND PROVISIONS	7	1,96,29,24,033	1,18,07,80,179
	TOTAL		10,09,55,51,881	7,70,82,54,147
	ASSETS			
a)	FIXED ASSETS	8	5,72,87,51,611	4,63,07,02,406
b)	INVESTMENTS	9	-	-
c)	INVESTMENTS - OTHERS	10	53,20,00,000	53,20,00,000
d)	CURRENT ASSETS, LOANS, ADVANCES ETC.	11	3,83,48,00,270	2,54,55,51,741
e)	MISCELLANEOUS EXPENDITURE (to the extent not written off for adjusted)		-	-
	TOTAL		10,09,55,51,881	7,70,82,54,147
	SIGNIFICANT ACCOUNTING POLICIES	24		
	CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS	25		

For and on behalf of All India Institute of Medical Sciences, Jodhpur

Amit Mundra
F&CAO

Dr.Sanjeev Misra
Director

1

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH 2022

(Amount - Rs.)

INCOME	Schedule	Current Year	Previous Year
Income from Sales / Services	12	39,96,98,470	12,07,99,814
Grants / Subsidies	13	5,97,85,54,403	4,50,62,84,104
Fees / Subscriptions	14	1,06,14,288	42,52,393
Income from Investments	15	-	-
Income from Royalty, Publication etc.	16	-	-
Interest Earned	17	4,83,51,662	5,11,55,655
Other Income	18	55,78,43,510	51,70,99,409
Increase / (decrease) in stock of Finished goods and works-in-progress	19	-	-
TOTAL (A)		**6,99,50,62,333**	**5,19,95,91,375**
EXPENDITURE			
Establishment Expenses	20	3,75,99,33,212	2,69,99,57,442
Other Administrative Expenses etc.	21	2,27,31,94,952	1,85,30,98,565
Expenditure on Grants, Subsidies etc.	22	-	-
Interest	23	-	-
Depreciation (Net Total at the year end - corresponding to Schedule 8)		54,35,24,779	49,86,17,108
TOTAL (B)		**6,57,66,52,943**	**5,05,16,73,115**
		41,84,09,390	14,79,18,260
Transfer to Special Reserve (Specify each)		-	-
TDS on Rent adjusted to Capital Account		-	-
Tender Fees Return		-	-
BALANCE BEING SURPLUS/ (DEFICIT) CARRIED TO CORPUS / CAPITAL FUND		**41,84,09,390**	**14,79,18,260**

For and on behalf of All India Institute of Medical Sciences, Jodhpur

Amit Mundra
F&CAO

Dr.Sanjeev Misra
Director

2

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR

RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31st MARCH 2022

(Amount - Rs.)

RECEIPTS	Current Year	Previous Year	PAYMENTS	Current year	Previous year
I. Opening Balances			**I. Expenses**		
a) Cash in hand	81,330	20,702	a) Establishment Expenses (corresponding to Sch.20)	3,75,99,33,212	2,69,99,57,442
b) Bank Balances	1,35,49,28,542	1,12,21,18,472	b) Administrative Expenses (corresponding to Sch.21)	2,35,28,33,953	1,99,72,12,048
II. Grants in Aid Received			**II. Investments and deposits made**		
a) From Government of India			a) Fixed Deposit (Investments - others)	-	-
For Capital	1,77,00,00,000	1,45,00,00,000			
For Salary	3,78,00,00,000	2,51,00,00,000			
For General	2,40,00,00,000	2,20,00,00,000			
For SAP	2,50,00,000	2,00,00,000			
For ECRP Salary	6,90,00,000	-			
For ECRP General	14,00,00,000	-			
For PM ABHIM	36,00,00,000	-			
b) From State NHM	2,60,00,000	1,20,00,000			
III. Interest Received			**III. Expenditure on Fixed Assets**		
a) On Bank Deposits	5,22,01,466	5,44,36,252	a) Purchase of Fixed Assets	1,65,79,36,879	1,62,25,77,846
IV. Other Income (Specify)			**IV. Advances**		
a) Fees Collection	1,06,14,288	42,52,393	a) Loans & Advances	68,52,265	(2,36,49,901)
b) Receipts from Hospital Section	39,94,52,849	12,07,99,814	b) Sundry Debtors	20,53,16,877	(13,10,39,843)
c) Application Fees	1,01,92,961	1,38,28,738			
d) Licence Fees	18,27,856	20,64,819			
e) Misc Income	5,995	14,91,907			
f) Rent Income	19,43,000	9,92,200			
g) Guest House Income	71,509	1,04,637			
h) Sale of Scarp	2,45,621	-			
V. Amount Borrowed/ Advance			**V. Other Payments (Specify)**		
a) Caution Money	51,000	50,500	a) Security	5,000	3,998
b) Patient Treatment	1,33,59,132	(19,08,459)	b) Security & EMD of Tenders	1,72,76,816	(3,08,42,949)
c) Hostel Security	4,50,000	2,89,000	c) Others	-	3,34,34,356
VI. Any other receipts			**VI. Closing Balances**		
a) Award for Kayakalp	7,11,712	31,25,000	a) Cash in hand	12,024	81,330
b) Duties & Taxes	3,69,298	(10,33,009)	b) Bank Balances	2,44,97,21,637	1,35,49,28,542
c) Misc. Receipts	2,17,04,105	-			
d) Pension Benefit	58,85,011	1,08,841			
e) Sundry Creditors	57,92,978	99,19,062			
TOTAL	10,44,98,88,663	7,52,26,62,869	TOTAL	10,44,98,88,663	7,52,26,62,869

For and on behalf of All India Institute of Medical Sciences, Jodhpur

Amit Mundra
F&CAO

Dr.Sanjeev Misra
Director

3

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2022

(Amount - Rs.)

SCHEDULE 1 - CORPUS / CAPITAL FUND :	Current Year	Previous Year
Balance as at the beginning of the year	97,97,00,273	88,30,22,488
Add: Contribution towards Corpus / Capital Fund	-	-
Add / (Deduct): Balance transferred from Income and Expenditure Account	41,84,09,390	14,79,18,260
Add: Adjustmenet of P.Y.	7,39,723.00	-
Less: Adjustmenet of P.Y.	(1,71,18,792.00)	(84,820)
Less : Interest income transfer to Consolidate fund of India	(4,83,51,662)	(5,11,55,655)
BALANCE AS AT THE YEAR END	1,33,33,78,932	97,97,00,273

(Amount - Rs.)

SCHEDULE 2 - RESERVES AND SURPLUS	Current Year		Previous Year	
a) Capital Reserve:				
As per last Account	-		-	
Addition during the year	-		-	
Less : Deductions during the year	-		-	
b). Revaluation Reserve:				
As per last Account	-		-	
Addition during the year	-		-	
Less : Deductions during the year	-		-	
c) Special Reserves :				
As per last Account	-		-	
Addition during the year	-		-	
Less : Deductions during the year	-		-	
d) General Reserve :				
As per last Account	-		-	
Addition during the year	-		-	
Less : Deductions during the year	-		-	
TOTAL	-		-	

For and on behalf of All India Institute of Medical Sciences, Jodhpur

Amit Mundra
F&CAO

Dr. Sanjeev Misra
Director

4

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2022

(Amount - Rs.)

SCHEDULE 3- EARMARKED / ENDOWMENT FUNDS	FUND-WISE BREAK UP						TOTAL	
	Deferred Income for Capital Assets		Grant Received for Capital Assets		Grant under SAP		Current Year	Previous Year
	Current Year	Previous Year	Current Year	Previous Year	Current Year	Previous Year		
a) Opening balance of the funds	4,62,98,55,860	3,50,58,95,122	89,66,39,333	1,00,42,42,866	2,12,78,502	3,11,60,952	5,54,77,73,695	4,60,12,98,940
b) Additions to the Funds:								
i) Donations / grants	-	-	1,77,00,00,000	1,45,00,00,000	2,50,00,000	2,00,00,000	1,79,50,00,000	1,47,00,00,000
ii) Income from investments made on acount of funds	-	-	-	-	-	-	-	-
iii) Other additions								-
• Capital Assets creation from Grants	1,64,10,61,244	1,62,25,77,846	-	-	-	-	1,64,10,61,244	1,62,25,77,846
iv) Fund Received	-	-	-	-	-	-	-	-
TOTAL (a + b)	6,27,09,17,104	5,12,84,72,968	2,66,66,39,333	2,51,42,42,866	4,62,78,502	5,11,60,952	8,98,38,34,939	7,69,38,76,786
c) Utilisation / Expenditure towards objectives of funds								
i) Capital Expenditure								
• Fixed Assets	-	-	1,63,14,67,281	1,61,76,03,533	95,93,963	49,74,313	1,64,10,61,244	1,62,25,77,846
• Others	-	-	-	-	-	-	-	-
Total	-	-	1,63,14,67,281	1,61,76,03,533	95,93,963	49,74,313	1,64,10,61,244	1,62,25,77,846
ii) Revenue Expenditure								
• Salaries, Wages and allowances etc.	-	-	-	-	-	-	-	-
• Rent & Others	-	-	-	-	-	2,49,08,137	-	2,49,08,137
• Other For Depreciation adjustment	54,35,24,779	49,86,17,108	-	-	-	-	54,35,24,779	49,86,17,108
Total	54,35,24,779	49,86,17,108	-	-	-	2,49,08,137	54,35,24,779	52,35,25,245
TOTAL (c)	54,35,24,779	49,86,17,108	1,63,14,67,281	1,61,76,03,533	95,93,963	2,98,82,450	2,18,45,86,023	2,14,61,03,091
NET BALANCE AS AT THE YEAR END (a + b - c)	5,72,73,92,325	4,62,98,55,860	1,03,51,72,052	89,66,39,333	3,66,84,539	2,12,78,502	6,79,92,48,916	5,54,77,73,695

For and on behalf of All India Institute of Medical Sciences, Jodhpur

Amit Mundra
F&CAO

Dr. Sanjeev Misra
Director

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2022

(Amount - Rs.)

SCHEDULE 4 - SECURED LOANS AND BORROWINGS :	Current Year		Previous Year	
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 (speciffy)	-	-	-	-
TOTAL	-	-	-	-

(Amount - Rs.)

SCHEDULE 5 - UNSECURED LOANS AND BORROWINGS	Current Year	Previous Year
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)	-	-
TOTAL	-	-

(Amount - Rs.)

SCHEDULE 6 - DEFERRED CREDIT LIABILITIES	Current Year	Previous Year
a) Acceptances secured by hypothecation of capital equipment and other assets	-	-
b) Others	-	-
TOTAL	-	-

For and on behalf of All India Institute of Medical Sciences, Jodhpur

Amit Mundra
F&CAO

Dr. Sanjeev Misra
Director

6

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2022

(Amount - Rs.)

SCHEDULE - 7 CURRENT LIABILITIES AND PROVISIONS	Current Year		Previous Year	
A. CURRENT LIABILITIES				
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	19,96,251		16,26,953	
ii) State Insurance	21,181		21,181	
iii) Pension Scheme	85,01,171	1,05,18,603	26,16,160	42,64,294
f) Other Current Liabilities				
i) EMD Deposites of Various Tenders	10,63,61,752		12,36,38,568	
ii) Unspent Grant in Aid payable				
1) Central Government				
a) AIIMS JODHPUR				
Under Salary Head	8,90,66,788		-	
Under General Head	85,27,64,244		52,20,07,701	
b) ECRP				
Under Salary Head	-		-	
Under General Head	-		-	
c) PM-ABIM Scheme	36,00,00,000		-	
2) State Government				
a) Under NHM	2,67,89,062		1,01,66,796	
iii) Hostel Fees (Refundable)	24,48,000		19,98,000	
iv) Caution Money (Refundable)	2,91,900		2,40,900	
v) Amount due of Contractors	1,07,95,714		2,80,49,756	
vi) Receipts for Patients Treatment from CMO/PMO/Others	2,69,47,700		1,35,88,568	
vii) AIIMS Gorakhpur	-		8,19,44,002	
viii) Interest earning remitted to Consolidate fund of India	31,20,28,545		26,36,76,883	
ix) Misc. Receipts	2,90,80,604		73,56,515	
x) Others	89,16,728	1,82,64,71,037	41,32,658	1,05,68,00,347
TOTAL (A)		1,83,59,89,640		1,06,10,64,641
B. PROVISIONS				
a) For Taxation				
b) Others				
i) Audit Fee	2,00,000		-	
ii) Ayushman Bharat	61,52,285		-	
iii) Dietary Services	36,32,615		-	
iv) Electricity Expenses	1,25,91,988		1,35,45,533	
v) Hospital Support Services	1,52,46,277		1,49,19,732	
vi) Housekeeping & cleaning	1,10,74,970		1,10,41,146	
vii) Learning Resource Allowance	28,27,849		-	
viii) Manpower Services	3,03,63,132		-	
ix) Provision for Furniture	4,95,570		4,95,570	
x) Repair & Maintance	1,78,64,691		2,04,88,869	
xi) Security Services	1,61,87,226		4,31,51,373	
xii) Stipend Exp.	36,42,987		-	
xiii) Telephone Expenses	5,02,563		1,19,260	
xiv) Transport Expenses	23,90,837		23,89,632	
xv) Others	37,61,404	12,69,34,394	1,35,64,423	11,97,15,538
TOTAL (B)		12,69,34,394		11,97,15,538
TOTAL (A + B)		1,96,29,24,034		1,18,07,80,179

For and on behalf of All India Institute of Medical Sciences, Jodhpur

Amit Mundra
F&CAO

Dr. Sanjeev Misra
Director

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ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2022

SCHEDULE 8 - FIXED ASSETS

DESCRIPTION	Depreciation Rate	GROSS BLOCK						DEPRECIATION							NET BLOCK	
		Cost / valuation as at the beginning of the year	Additions during the year (Before 30th Sep)	Additions during the year (After 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 Additions during the year	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		1	2	3	4(2+3)	5	6(1+4-5)	7	8	9	10(8+9)	11	12	13(7+10+12-11)	14(15+4-10-12)	15
LAND (Leasehold Land)	0.00%	5,070	-	-	-	-	5,070	-	-	-	-	-	-	-	5,070	5,070
BUILDINGS	10.00%	11,81,25,280	-	2,10,42,328	2,10,42,328	-	13,91,67,608	1,77,13,434	-	10,52,116	10,52,116	-	1,00,41,186	2,88,06,736	11,03,60,872	10,04,11,846
PLANT MACHINERY & EQUIPMENT	15.00%	3,17,35,35,883	16,05,77,358	44,92,07,584	61,97,84,953	1,70,81,392	3,77,52,29,444	1,11,99,94,711	2,55,29,881	3,36,90,571	5,92,17,451	-	30,54,87,250	1,48,46,99,413	2,29,05,30,033	2,05,35,41,172
PLANT MACHINERY & EQUIPMENT(LIFE SAVING EQUIPMENT)	40.00%	18,90,21,965	3,75,98,952	-	3,75,98,952	-	20,66,20,917	8,74,17,627	1,57,70,116	-	1,57,70,116	-	3,26,41,736	13,58,29,481	7,07,82,436	8,16,04,337
FURNITURE FIXTURES	10.00%	34,22,85,895	1,39,85,417	85,96,176	2,25,81,593	-	36,48,67,491	12,33,78,649	14,08,050	4,29,809	18,37,859	-	2,19,06,787	14,71,23,295	21,77,24,195	21,89,06,249
OFFICE EQUIPMENT	15.00%	8,61,52,360	43,02,685	53,43,272	96,45,957	75,07,486	8,82,90,931	3,67,98,564	5,81,961	3,88,460	9,70,401	-	63,90,127	4,41,59,152	4,41,31,777	4,93,53,816
SCIENTIFIC EQUIPMENTS	15.00%	13,94,57,020	3,81,99,119	1,77,06,737	5,59,05,856	19,88,600	19,43,75,276	4,05,55,218	58,79,871	11,79,013	70,58,884	-	1,46,33,790	6,24,57,890	13,19,16,388	9,88,91,805
COMPUTER / PERIPHERALS	40.00%	21,06,88,976	2,98,66,935	47,76,508	3,44,43,543	-	24,53,10,519	16,52,97,739	1,10,87,214	9,65,702	1,20,22,916	-	1,52,62,823	19,83,83,478	4,69,33,042	4,53,72,238
LIBRARY BOOKS	40.00%	13,33,99,855	3,27,97,416	26,73,867	3,54,71,283	-	16,88,69,938	8,79,25,256	1,31,18,966	5,34,773	1,36,53,739	-	1,52,00,131	11,97,79,126	4,90,90,810	4,54,73,599
VEHICLES	0.00%	1	-	-	-	-	1	-	-	-	-	-	-	-	1	1
ELECTRIC INSTALLATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER FIXED ASSETS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OF CURRENT YEAR		4,37,28,52,127	32,71,08,984	60,93,48,682	93,64,57,666	2,65,85,298	5,16,27,24,196	1,57,90,88,196	7,41,82,079	3,82,30,464	11,23,92,543	-	42,77,85,832	2,21,82,47,571	2,96,34,76,625	2,89,37,82,931
PREVIOUS YEAR		3,12,55,16,021	29,74,63,225	84,98,72,881	1,24,73,36,106	-	4,37,28,52,127	1,16,36,42,807	5,17,58,712	14,17,17,196	19,34,75,908	-	30,18,70,681	1,67,90,88,196	2,89,37,63,931	1,94,19,73,415
CAPITAL WORK-IN-PROGRESS		1,91,04,86,039	16,03,45,824	84,71,99,958	1,00,75,44,582	18,59,48,369	2,73,20,81,252	-	-	-	-	-	-	-	2,73,20,81,252	1,91,04,86,039
TOTAL		6,28,33,39,166	48,74,54,808	1,35,65,47,440	1,84,40,02,247	21,25,34,767	7,32,08,06,447	1,57,90,88,196	7,41,82,079	3,82,30,464	11,23,92,543	-	42,77,85,832	2,21,82,47,571	5,70,15,57,877	4,81,02,48,970

For and on behalf of All India Institute of Medical Sciences, Jodhpur

Amit Munjal
F&CAO

Dr. Sanjeev Misra
Director

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2022

SCHEDULE 8 - FIXED ASSETS (Exp Under SAP)

DESCRIPTION	Depreciation Rate	GROSS BLOCK						DEPRECIATION							NET BLOCK	
		Cost / valuation as at the beginning of the year	Additions during the year (Before 30th Sep)	Additions during the year (After 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 Additions during the year	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		2,82,96,019	57,31,904	38,62,059	95,93,963	-	3,78,89,982	78,42,584	24,928	1,80,072	2,05,000	-	30,68,012	1,11,15,596	2,67,74,386	2,04,53,435
TOTAL OF CURRENT YEAR		2,82,96,019	57,31,904	38,62,059	95,93,963	-	3,78,89,982	78,42,584	24,928	1,80,072	2,05,000	-	30,68,012	1,11,15,596	2,67,74,386	2,04,53,435
PREVIOUS YEAR		2,33,21,705	-	49,74,313	49,74,313	-	2,82,96,019	46,72,065	-	3,73,073	3,73,073	-	27,97,446	78,42,584	2,04,53,435	1,86,49,641
CAPITAL WORK-IN-PROGRESS		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL		2,82,96,019	57,31,904	38,62,059	95,93,963	-	3,78,89,982	78,42,584	24,928	1,80,072	2,05,000	-	30,68,012	1,11,15,596	2,67,74,386	2,04,53,435

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2022

SCHEDULE 8 - FIXED ASSETS (Ayushman Bharat)

DESCRIPTION	Depreciation Rate	GROSS BLOCK						DEPRECIATION							NET BLOCK	
		Cost / valuation as at the beginning of the year	Additions during the year (Before 30th Sep)	Additions during the year (After 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 Additions during the year	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		-	-	5,12,740	5,12,740	-	5,12,740	-	-	93,392	93,392	-		93,392	4,19,348	-
TOTAL OF CURRENT YEAR		-	-	5,12,740	5,12,740	-	5,12,740	-	-	93,392	93,392	-	-	93,392	4,19,348	-
PREVIOUS YEAR		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CAPITAL WORK-IN-PROGRESS		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL		-	-	5,12,740	5,12,740	-	5,12,740	-	-	93,392	93,392	-	-	93,392	4,19,348	-

For and on behalf of All India Institute of Medical Sciences, Jodhpur

Amit Mundra
F&CAO

Dr. Sanjeev Misra
Director

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2022

(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	-	-
TOTAL	-	-

(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	53,20,00,000	53,20,00,000
TOTAL	53,20,00,000	53,20,00,000

(Amount - Rs.)

SCHEDULE 11 - CURRENT ASSETS, LOANS AND ADVANCES ETC.	Current Year	Previous Year
A. CURRENT ASSETS		
a) Inventories		
i) Stores	29,41,41,052	20,73,07,324
b) Sundry Debtors		
i) Debts outstanding for a period exceeding six months	-	-
ii) Others	-	-
c) Cash balances in hand	12,024	81,330
d) Bank Balances		
i) With Scheduled Bank Accounts :	39,35,32,952	(14,50,82,458)
ii) With Flexi Fixed Deposit Accounts :	2,05,81,88,685	1,50,00,11,000
e) Post Office Savings Accounts	-	-
TOTAL (A)	2,74,38,74,713	1,56,23,17,196
B. LOANS, ADVANCES AND OTHER ASSETS		
a) Loans :		
i) Staff	83,01,221	11,70,000
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) On Capital Account(National Informatics Centre)	47,023	8,85,730
ii) Others(Security Deposit with JVVNL)	10,25,700	10,25,700
iii) Advance given to AIIMS, Patna for faculty recruitment	3,19,012	3,19,012
iv) Security With BSNL	8,998	8,998
v) Research cell	50,56,623	79,19,509
vi) Advances for equipment	-	-
vii CPWD	28,53,09,478	21,48,24,888
vii Security Deposit for Gas Connection	20,400	20,400
ix) HLL Lifecare Limited	46,27,24,483	40,41,12,123
x) AIIMS Rajkot	8,50,00,000	53,12,034
xi) Advances		
• Faculty	5,63,600	4,40,218
• Staff	1,89,613	11,99,153
• Contractor	3,55,47,330	5,27,82,918
xii AIIMS Delhi	5,000	5,000
xii Registrar-General Delhi Hight Court	16,53,96,561	16,53,96,561
xh New Pension Scheme Recovery	-	2,78,956
xv Others	24,50,865	8,50,00,000
c) Income Accrued :		
i) Accrued Interest Income	3,86,83,540	4,25,33,344
ii) Accrued Income	2,52,000	-
d) Claim Receivables :		
i) Prepaid Exp.	24,130	-
TOTAL (B)	1,09,09,25,557	98,32,34,544
TOTAL (A + B)	3,83,48,00,270	2,54,55,51,740

For and on behalf of All India Institute of Medical Sciences, Jodhpur

Amit Mishra
FACAO

Dr. Sanjeev Misra
Director

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ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2022

(Amount - Rs.)

SCHEDULE 12 - INCOME FROM SALES / SERVICES	Current Year	Previous Year
1) AIIMS JODHPUR		
a) Income from Sales		
i) Sale of Finished Goods	-	-
ii) Sale of Raw Material	-	-
iii) Sale of Scraps	2,45,621	-
b) Income from Services		
i) Labour and Processing Charges	-	-
ii) Professional / Consultancy charges	-	-
iii) Agency Commission and Brokerage	-	-
iv) Maintenance Services (Equipment / Property)	-	-
v) Others	-	-
vi) Lab testing fees	6,55,47,309	1,79,11,075
vii) Registeration fees	20,31,380	1,60,160
viii) IPD Collection	18,63,44,410	10,21,27,511
ix) Blood Bank receipts	7,60,044	2,83,888
x) Consultancy fees	21,18,670	3,17,180
2) AYUSHMAN BHARAT / CHIRANJEEVI		
i) Ayushman Bharat Receipts	14,26,51,036	-
TOTAL	39,96,98,470	12,07,99,814

(Amount - Rs.)

SCHEDULE 13 - GRANTS / SUBSIDIES (Irrevocable Grants & Subsidies Received)	Current Year	Previous Year
1) Central Government		
a) AIIMS JODHPUR		
i) Under General head	2,06,92,43,457	1,85,00,58,947
ii) Under Salary head	3,69,09,33,212	2,65,31,85,538
b) ECRP		
i) Under General head	14,00,00,000	-
ii) Under Salary head	6,90,00,000	-
2) State Government		
i) Under NHM	93,77,734	30,39,619
TOTAL	5,97,85,54,403	4,50,62,84,104

For and on behalf of All India Institute of Medical Sciences, Jodhpur

ALL INDIA INSTITUTE OF MEDICAL SCIENCES JODHPUR

Amit Mundra
F&CAO

Dr. Sanjeev Misra
Director

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ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2022

(Amount - Rs.)

SCHEDULE 14 - FEES / SUBSCRIPTIONS	Current Year	Previous Year
a) Entrance and Mess Fees		
i) Examination Fees	6,81,800	5,96,200
ii) Fees For Dm/M.Ch	61,500	62,525
iii) Fees For Mph Course	22,05,002	20,30,003
iv) Fees For M.Sc. (Nursing)	44,905	11,285
v) Fees For Pg	3,33,771	3,10,268
vi) Fees For Phd	1,40,000	20,000
vii) Fees For Post-Doctoral Fellowship	12,20,000	4,50,000
viii) Fees Receipts	43,56,765	5,74,204
ix) Nursing Fees	1,50,745	1,97,910
x) Seat Withdrawal Fees	14,20,000	-
TOTAL	1,06,14,288	42,52,393

(Amount - Rs.)

SCHEDULE 15 - INCOME FROM INVESTMENTS (Income on Investment from Earmarked / Endowment funds transferred to Funds)	Investment from Earmarked Fund		Investment- Others	
	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)	-	-	-	-
TOTAL	-	-	-	-

(Amount - Rs.)

SCHEDULE 16 - INCOME FROM ROYALTY, PUBLICATION ETC.	Current Year	Previous Year
a) Income from Royalty	-	-
b) Income from Publications	-	-
c) Others (specify)	-	-
TOTAL	-	-

For and on behalf of All India Institute of Medical Sciences, Jodhpur

Amit Mundra
F&CAO

Dr. Sanjeev Misra
Director

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ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2022

(Amount - Rs.)

SCHEDULE 17 - INTEREST EARNED	Current Year	Previous Year
a) On Term Deposits		
i) With Scheduled Banks	4,83,51,662	5,11,55,655
ii) With Non Scheduled Banks	-	-
iii) With Institutions	-	-
iv) Others	-	-
b) On Saving Accounts		
i) With Scheduled Banks	-	-
ii) With Non Scheduled Banks	-	-
iii) Post Office Savings Accounts	-	-
iv) Others	-	-
c) On Loans		
i) Employee/Staff	-	-
ii) Others	-	-
d) Interest on Debtors and Other Receivables	-	-
TOTAL	4,83,51,662	5,11,55,655

(Amount - Rs.)

SCHEDULE 18 - OTHER INCOME	Current Year	Previous Year
a) Miscellaneous Income		
i) Application Fees for Recruitment	1,02,18,361	1,38,28,738
ii) license Fees for Staff Quarters	18,27,866	20,64,819
iii) Deferred income for depreciable fixed assets	54,35,24,779	49,86,17,108
iv) GUEST HOUSE INCOME	71,509	1,04,637
v) RENT INCOME	21,95,000	9,92,200
vi) MISC INCOME	5,995	14,91,907
TOTAL	55,78,43,510	51,70,99,409

(Amount - Rs.)

SCHEDULE 19 - INCREASE / (DECREASE) IN STOCK OF FINISHED GOODS & WORK IN PROGRESS	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	-	-
NET INCREASE / (DECREASE) [a - b]	-	-

For and on behalf of All India Insitute of Medical Sciences, Jodhpur

ALL INDIA INSTITUTE OF MEDICAL SCIENCES * JODHPUR *

Amit Mundra
F&CAO

Dr. Sanjeev Misra
Director

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ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2022

(Amount - Rs.)

SCHEDULE 20 - ESTABLISHMENT EXPENSES	Current Year		Previous Year	
1) AIIMS JODHPUR				
a) Salaries and Wages	2,82,86,94,193		2,15,21,99,204	
b) Allowances	14,42,78,688		9,96,39,684	
c) Contribution to New Pension Scheme	28,55,13,610		10,92,31,870	
d) Stipend	5,81,79,599		3,22,75,226	
e) Man power services	33,90,60,179		29,02,59,268	
f) Leave Travel Concession	2,30,85,639		92,64,157	
g) Medical Reimbursement Claim	1,21,21,304	3,69,09,33,212	70,88,033	2,69,99,57,442
2) ECRP				
a) Salary of ECRP Phase-II	6,90,00,000	6,90,00,000	-	-
TOTAL		3,75,99,33,212		2,69,99,57,442

For and on behalf of All India Institute of Medical Sciences, Jodhpur

Amit Mundra
F&CAO

Dr. Sanjeev Misra
Director

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ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2022

(Amount - Rs.)

SCHEDULE 21 - OTHER ADMINISTRATIVE EXPENSES ETC.	Current Year		Previous Year	
1) AIIMS JODHPUR				
a) Advertisement Expenses	91,92,171		82,87,163	
b) Audit Fees	6,35,040		-	
c) Department Expenditure	2,68,35,419		3,34,15,710	
d) Dietary Services Expenses	4,22,07,759		1,12,45,730	
e) Electricity Expenses	1,81,60,664		1,43,41,719	
f) Electricity Expenses Of Aiims Hospital	14,21,53,129		12,69,24,649	
g) Expenses for PG Thesis	-		11,72,953	
h) Honorarium Expenses	20,57,500		24,16,200	
i) Hospital Expenditure	52,44,33,938		58,32,05,538	
j) Hospital Support Services Expenses	18,18,31,866		17,94,13,680	
k) Housekeeping And Cleaning Expenses	13,43,01,750		13,20,68,683	
l) Intramural Research Expenditure	41,76,756		1,00,73,839	
m) Laboratory Expenses	14,67,11,838		12,63,30,253	
n) Manpower Supply Expenses	2,69,67,028		-	
o) Medicines Expenses	30,22,52,995		16,76,37,254	
p) Office Expenditure	1,74,40,573		1,96,08,506	
q) Printing And Stationery	95,57,600		1,08,23,514	
r) Prior Period Expenses	1,52,93,617		-	
s) Recruitment Expenses	1,76,434		1,40,172	
t) Registration And Membership Fees	39,89,038		75,45,339	
u) Repair & Maintenance	20,84,43,680		18,90,18,573	
v) Security Services Expenses	18,62,45,170		17,17,88,175	
w) Transport Expenses	2,93,17,493		2,90,92,443	
x) Travelling Allowance	74,41,061		85,17,119	
y) Washing & Cleaning Expenses	2,83,00,452		1,61,36,230	
z) Water Expenses	11,20,486	2,06,92,43,457	8,55,504	1,85,00,58,946
2) ECRP				
a) General Expenses of ECRP Phase-II	14,00,00,000	14,00,00,000	-	-
3) AYUSHMAN BHARAT / CHIRANJEEVI				
a) Exp. of Ayushman Bharat	3,66,46,022		-	
b) Exp. of Ayushman Mitra	32,38,475		-	
c) Exp. of Dep. Ayushman Bharat	75,989	3,99,60,486	-	-
4) NHM				
a) NHM Expenses	93,77,734	93,77,734	30,39,613	30,39,613
5) SAP				
a) SAP Expenses	1,46,13,275	1,46,13,275	2,49,08,137	2,49,08,137
TOTAL		2,27,31,94,952		1,87,80,06,696

For and on behalf of All India Institute of Medical Sciences, Jodhpur

Amit Mundra
F&CAO

Dr. Sanjeev Misra
Director

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ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2022

(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	-	-
TOTAL	-	-

Note : - 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)	-	-
TOTAL	-	-

For and on behalf of All India Institute of Medical Sciences, Jodhpur

Amit Munda
F&CAO

Dr. Sanjeev Misra
Director

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ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR

SCHEDULES FORMING PART OF THE ACCOUNTS FOR THE YEAR ENDED 31st MARCH 2022

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 Stores are physically verified by the Medical Superintendent office and valued at cost. Stores includes Medicines, Consumables, Chemicals, Kits, Glassware and plastic items.
   2.2 Stores consists of goods used in Hospital section only.

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 & Grant-in-aid under Covid-19 ECRP- Phase-II.
   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 2021-22
   3.5 Grant of Rs.2.60 Crore received from State Government of Rajasthan under Nation Health Mission.
   3.6 Unspent Grants have been transferred to Current Liabilities and shown as unspend grant payable to respective grantees at the end of Financial Year 2021-22.

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. Equipment for which only CRC is issued and FAC/ Installation report is not issued till 31.03.2022 have been taken to Capital Work in Progress.

   4.4 Work executed though CPWD has been capitalizatied 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 Amount paid to CPWD for any project work is shown as work Work in progress and it is reversed as advances to CPWD upto extent of work not completed at the end of Financial Year.

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 preccribed 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 There have been foreign currency transaction of Rs.10.35 Crore (Approx) Crore in Financial Year 2021-22

7. **REVENUE RECOGNITION**
   7.1 Revenue includes fees collected from students, amount received from patients for registration, OPD ticket & testing charges and other miscellaneous receipts 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.

   8. All the Expenditure booked in books of accounts after getting approval from Competen Authority.

For and on behalf of All India Institute of Medical Sciences, Jodhpur

Amit Mundra
F&CAO

Dr. Sanjeev Misra
Director

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 2021

SCHEDULE 25 - CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS

1. **CONTINGENT LIABILITIES**
   1.1 Amount outstanding against Letter of Credit at the end of year was worth Rs.5.55 Crore (approx).

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 An advance of Rs.46.26 crore have been given to HLL Lifecare Ltd. (PSA of MoHFW) for supply of various medical equipments.
   2.3 Advances are given to vendor against Opending of Letter of Credit, Custom duty payment.
   2.4 Advances have been given to Research Cell to carry out intramural research projects of faculty & PG Thesis.
   2.5 "Income accrued" includes interest income accrued on Fixed Deposit Receipts made with Bank of Baroda, Jodhpur.
   2.6 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 V/s Union of India.
   2.7 An amount of Rs.8.50 Core have been paid to AIIMS Rajkot as advance for day to day smooth working as Mentor Institute.

3. **TAXATION**
   3.1 The Institute is exempt u/s 10(23C)(iiiac) of the Income Tax Act,1961. Therefore, no provision for taxation is required.

4. **FEES / SUBSCRIPTIONS**
   4.1 Fees includes academic fees charged from students of MBBS,B. Sc Nursing, Fees for PG Course and Fees for DM course/ PDC/ fess for M.Sc. Nursing and Other courses.

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, Basni, Jodhpur during the year. Since AIIMS 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 includes ATM rent received from various agencies and other miscelleanous income.
   6.2 "Deferred income for depreciable fixed assets" is the depreciation amount charged on fixed assets.

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 provision has been made for Pensionary Benefits and Earned Leave Encashment . The liability on this account are being be accounted for on payment basis as and when it arises.
   7.3 The Institute also provide gratuity and leave encashment benefits to the employees, which is paid from GIA (Salary) on cash basis. Further Institute is under process for calculating the total liability.

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. Intramural Research Expences has been booked on the basis of Utilization Certificate received from Research Section.

11. 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 2022.

ALL INDIA INSTITUTE OF MEDICAL SCIENCES * JODHPUR *

For and on behalf of All India Institute of Medical Sciences, Jodhpur

Amit Mundra
F&CAO

Dr. Sanjeev Misra
Director

VIRAL RESEARCH AN D DIAGNOSTIC LABOR/ TORIES,

ALL INDIA INSTITUTE OF MEDICAL SCIENCI S, JODHPUR

Financial Statemen s for the Period 2021-22

VIRAL RESEARCH AND DIAGNOSTIC LABORATORIES, ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR

BALANCE SHEET for the Period 01-04-2021 to 31-03-2022

(Amount - Rs.)

S. No.	PARTICULARS	SCHEDULE	Current Year	Previous Year
	CORPUS / CAPITAL FUND AND LIABILITIES			
a)	CORPUS / CAPITAL FUND	1	38,83,708	6,59,82,669
b)	RESERVES AND SURPLUS	2	-	-
c)	EARMARKED / ENDOWMENT FUNDS	3	9,72,91,332	-
d)	SECURED LOANS AND BORROWINGS	4	-	-
e)	UNSECURED LOANS AND BORROWINGS	5	-	-
f)	DEFERRED CREDIT LIABILITIES	6	-	-
g)	CURRENT LIABILITIES AND PROVISIONS	7	5,60,58,457	8,90,87,533
	TOTAL		**15,72,33,497**	**15,50,70,202**
	ASSETS			
a)	FIXED ASSETS	8	9,72,91,332	6,34,49,052
b)	INVESTMENTS	9	-	-
c)	INVESTMENTS - OTHERS	10	-	-
d)	CURRENT ASSETS, LOANS, ADVANCES ETC.	11	5,99,42,165	9,16,21,150
e)	MISCELLANEOUS EXPENDITURE (to the extent not written off for adjusted)		-	-
	TOTAL		**15,72,33,497**	**15,50,70,202**
	SIGNIFICANT ACCOUNTING POLICIES	24		
	CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS	25		

For and on behalf of VIRAL RESEARCH AND DIAGNOSTIC LABORATORIES, ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR

Amit Mundra
F&CAO

Dr.Sanjeev Misra
Director

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VIRAL RESEARCH AND DIAGNOSTIC LABORATORIES, ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR

RECEIPTS AND PAYMENTS ACCOUNT FOR THE Period 01-04-2021 to 31-03-2022

(Amount - Rs.)

RECEIPTS	Current Year	Previous Year	PAYMENTS	Current year	Previous year
I. Opening Balances			I. Expenses		
a) Cash in hand	-	-	a) Establishment Expenses (corresponding to Sch.20)	42,85,181	1,01,14,967
b) Bank Balances	8,77,77,737	-	b) Administrative Expenses (corresponding to Sch.21)	40,34,172	70,09,597
II. Grants in Aid Received			II. Investments and deposits made		
a) From Government of India			Fixed Deposit		
For Grant in AID	79,77,652	16,82,50,000	(Investments - others)	-	-
For ICQL	5,11,769	6,00,000			
Fund for Rat Kits	2,99,979	-			
III. Interest Received			III. Expenditure on Fixed Assets		
a) On Bank Deposits	19,50,091	19,43,214	Purchase of Fixed Assets	3,38,42,280	6,34,49,052
IV. Other Income (Specify)			IV. Advances		
			a) Loans & Advances	-	-
			b) Sundry Debtors	(33,22,216)	38,43,413
V. Amount Borrowed/ Advance			V. Other Payments (Specify)		
a) Security & EMD of Tenders	(17,042)	10,72,304			
VI. Any other receipts			VI. Closing Balances		
a) Misc. Receipts	(3,00,000)	3,25,000	a) Cash in hand	-	-
b) Sundry Creditors	60,199	4,248	b) Bank Balances	5,94,20,968	8,77,77,737
TOTAL	9,82,60,385	17,21,94,766	TOTAL	9,82,60,385	17,21,94,766

For and on behalf of VIRAL RESEARCH AND DIAGNOSTIC LABORATORIES, ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR

ALL INDIA INSTITUTE OF MEDICAL SCIENCES * JODHPUR *

Amit Mundra
F&CAO

Dr.Sanjeev Misra
Director

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VIRAL RESEARCH AND DIAGNOSTIC LABORATORIES, ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR

INCOME AND EXPENDITURE ACCOUNT FOR THE Period 01-04-2021 to 31-03-2022

(Amount - Rs.)

INCOME	Schedule	Current Year	Previous Year
Income from Sales / Services	12	-	-
Grants / Subsidies	13	83,19,353	8,11,64,019
Fees / Subscriptions	14	-	-
Income from Investments	15	-	-
Income from Royalty, Publication etc.	16	-	-
Interest Earned	17	19,50,091	19,43,214
Other Income	18	-	-
Increase / (decrease) in stock of Finished goods and works-in-progress	19	-	-
TOTAL (A)		**1,02,69,444**	**8,31,07,233**
EXPENDITURE			
Establishment Expenses	20	42,85,181	1,01,14,967
Other Administrative Expenses etc.	21	40,34,172	70,09,597
Expenditure on Grants, Subsidies etc.	22	-	-
Interest	23	-	-
Depreciation (Net Total at the year end - corresponding to Schedule 8)		-	-
TOTAL (B)		**83,19,353**	**1,71,24,564**
Balance being excess of Income over Expenditure (A - B)		19,50,091	6,59,82,669
Transfer to Special Reserve (Specify each)		-	-
Transfer to / from General Reserve		-	-
BALANCE BEING SURPLUS/ (DEFICIT) CARRIED TO CORPUS / CAPITAL FUND		**19,50,091**	**6,59,82,669**

For and on behalf of VIRAL RESEARCH AND DIAGNOSTIC LABORATORIES, ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR

ALL INDIA INSTITUTE OF MEDICAL SCIENCES * JODHPUR *

Amit Mundra
F&CAO

Dr.Sanjeev Misra
Director

3

अखिल भारतीय आयुर्विज्ञान संस्थान, जोधपुर
All India Institute of Medical Sciences, Jodhpur
अनुसंधान अनुभाग
Research Section

No. AIIMS/RES/2022/8635 Dated: 30/06/2022

To,
The Director
All India Institute of Medical sciences,
Jodhpur.

Subject: Submission of details regarding Annual Accounts of Extramural Research Project for the year 2021-22.

Respected Sir,

This is in reference to subject cited above, find enclosed Annual Accounts Extramural Research Project for the year 2021-22.

Thanking you, Sir

Dr. Jaykaran Charan
Sub Dean (Research)
All India Institute of Medical Sciences
Jodhpur (Raj.)-342005 India

DDO, AIIMS, JODHPUR
Receipt No. 787
Date 30/6/22

Copy to:-

F&CAO, AIIMS, Jodhpur

Basni Phase-2, Jodhpur, Rajasthan-342005, **Website:** www.aiimsjodhpur.edu.in, **Phone:** 0291-2740741 Extn. 3109
Email: deanresearch@aiimsjodhpur.edu.in, reserachcell@aiimsjodhpur.edu.in

ALL INDIA INSTITUTE OF MEDICAL SCIENCES (RESEARCH SECTION), JODHPUR

CONSOLIDATED STATEMENT OF RECEIPTS AND PAYMENTS FOR THE YEAR ENDED ON 31.03.2022

RECEIPTS	SCHEDULE	31.03.2022	31.03.2021	PAYMENTS	SCHEDULE	31.03.2022	31.03.2021
OPENING BALANCE (BANK)	A	48585913.00	37939592.00	SALARY PAID	E	24304029.00	15618425.00
GRANTS RECEIVED	A	106953472.55	46314814.00	GENERAL EXPENSES	F	25274531.35	8047711.00
INTEREST RECEIVED	J	1572349.00	1185950.00	CAPITAL EXPENDITURES	B	21561074.00	8105915.00
				INTEREST RETURN	G	1171175.00	323078.00
				OVERHEAD CHARGES	H	2049603.00	2931496.00
				ADVANCE PAID	C	70000.00	500000.00
				UNSPENT GRANT RETURN	I	1774016.20	1327818.00
				GST PAID	K	737712.00	0.00
				Gransts tranfer to Other Institutes	L	4927574.00	0.00
				CLOSING BALANCE (BANK)	A	75242020.00	48585913.00
		157111734.55	85440356.00			157111734.55	85440356.00

BALANCE SHEET AS AT 31.03.2022

LIABILITIES	SCHEDULE		31.03.2022	31.03.2021	ASSETS	SCHEDULE	31.03.2022	31.03.2021
					INSTRUMENTS,EQUIPMENTS,			
ACCUMULATED GRANTS :	A		104945238.00	57158057.00	COMPUTERS AND OTHER MACHINES	B	29633218.00	8072144.00
OPENING BALANCE B/F		57158057.00						
ADD: SURPLUS (UNSPENT GRANTS)		47787181.00			ADVANCE PAID	C	70000.00	500000.00
					BANK BALANCE	D	75242020.00	48585913.00
			104945238.00	57158057.00			104945238.00	57158057.00

ALL INDIA INSTITUTE OF MEDICAL SCIENCES (RESEARCH SECTION), JODHPUR

STATEMENT OF INCOME AND EXPENDITURE FOR THE VARIOUS PROJECTS FOR THE YEAR ENDED ON 31.03.2022

EXPENDITURES	SCHEDULE	31.03.2022	31.03.2021	INCOME	SCHEDULE	31.03.2022	31.03.2021
SALARY PAID	E	24304029.00	15618425.00	BY GRANTS RECEIVED	A	106953472.55	46314814.00
GENERAL EXPENSES	F	25274531.35	8081482.00	BY BANK INTEREST RECEIVED	J	1572349.00	1185950.00
INTEREST RETURN	G	1171175.00	323078.00				
OVERHEAD CHARGES	H	2049603.00	2931496.00				
UNSPENT GRANT RETURN	I	1774016.20	1327818.00				
GST PAID	K	737712.00	0.00				
Gransts tranfer to Other Institutes	L	4927574.00	0.00				
PRIOR PERIOD ADJUSTMENT		500000.00	0.00				
TO SURPLUS (UNSPENT GRANT)		47787181.00	19218465.00				
		108525821.55	47500764.00			108525821.55	47500764.00

Note: Schedules and Notes to the Accounts are forming part of the Final Accounts for the year ended on 31.03.2022

ALL INDIA INSTITUTE OF MEDICAL SCIENCES (RESEARCH SECTION), JODHPUR

SCHEDULE A: DETAILS OF GRANTS RECEIVED AND UTILISED DURING THE YEAR ENDED ON 31.03.2022

NAME OF THE PROJECTS	OPENING BALANCE AS ON 01.04.2021	GRANTS RECEIVED DURING THE YEAR 2021-22	BANK INTEREST RECEIVED DURING THE YEAR 2021-22	TOTAL FUND AVAILABLE	GRANT USED DURING THE YEAR 2021-22	CLOSING BALANCE AS ON 31.03.2022
"Congenital Rubella Syndrome (CRS) Surveillance in India."	46,847.00		1,301.00	48,148.00	-	48,148.00
Capacity Building and Strengthning of Hospital Infection Control to Detect and Prevent Antimicrobial Resistance in India	4,01,989.00	15,00,000.00	15,971.00	19,17,960.00	16,52,285.00	2,65,675.00
Low birth weight in new born and Anaemia in Pregnant Women in Flouride Endemic Area of Western Rajasthan	1,12,438.00		575.00	1,13,013.00	1,12,438.00	575.00
Strengthening laboratory capabilities of AIIMS, Jodhpur for diagnosis & control of rabies in Rajasthan, India.	14,86,052.00		50,418.00	15,36,470.00	2,22,941.00	13,13,529.00
CANscriptTM Clinical Outcomes in a Real- world setting (ANCERS-S): A Prospective, Multicenter, Obseational Study Examining the Clinincal Utility of CANscriptTM in routine Clinical Practice	8,167.00		227.00	8,394.00	-	8,394.00
All India Institute of Medical Sciences Jodhpur Regional Center for Antimicrobial Surveillance Network.	1,40,308.00	5,81,957.00	4,634.00	7,26,899.00	3,98,996.00	3,27,903.00
Evaluating and srengthning pre-hospital trauna care system for mitigating burden of traffic accidents in Jodhpur	7,742.00		127.00	7,869.00	7,796.20	72.80
Initiating Antimicrobial Stewardship activities in Hospitals in India	6,31,455.00		6,334.00	6,37,789.00	6,37,789.00	-
System Approach for Assessment of Maternal Deaths in Rajasthan: A Feasibility Study	11,71,087.00		14,113.00	11,85,200.00	10,30,881.00	1,54,319.00
Assessment of effectiveness of IT enabled Equipment Management & Maintenance System(e-upakaran) in Rajasthan	93,472.00		1,956.00	95,428.00	-	95,428.00
SRA-Verbal Autosy Initiative	1,02,785.00		2,013.00	1,04,798.00	8,143.00	96,655.00
To assess the prevalence of specific micronutrient deficiencies in school going children aged between 6-16 years in ten cities of India	35,321.00		740.00	36,061.00	-	36,061.00
Congenital Rubella Syndrome & Hospital Based Surveillance Phase 2	8,29,445.00	11,61,362.00	14,068.00	20,04,875.00	19,79,566.00	25,309.00
Establishment of DBT NIDAN Kendra at AIIMS Jodhpur	37,38,976.00		34,919.00	37,73,895.00	30,65,415.00	7,08,480.00
Improve diagnosis and management of cystic firbrosis (CF) by capacity building of medical college hospitals across India and develop registry.	4,47,840.00	4,71,713.00	6,379.00	9,25,932.00	3,81,040.00	5,44,892.00
Stimulating Medical Students interest in Medical Genetics: Randomized Controlled trail of an Innovative Educational Intervention.	4,04,119.00	1,84,163.00	6,517.00	5,94,799.00	1,12,023.00	4,82,776.00
Burden of Multidrug-resistant neonatal sepsis in hospital setting in India (Study)	1,83,003.00	21,35,200.00	11,224.00	23,29,427.00	17,11,877.00	6,17,550.00
Epidemiological study of estimating the Burden of Soil Tranmitted Helminthes Infection in Antenatal Women in Slected State in India.	1,57,733.00		3,303.00	1,61,036.00	-	1,61,036.00
An observation study analysing the post mortem interval in human cadavers using autopsy proteins	1,68,369.00	4,98,452.00	8,227.00	6,75,048.00	1,29,975.00	5,45,073.00

Resource Centre/Hub under Health Technology Assessment Project	33,28,202.00	69,91,646.00	1,18,128.00	1,04,37,976.00	24,70,644.00	79,67,332.00
Emerging drug resistance of in community acquired urinary tract infection and molecular insights into dynamics of resistance traits in Indian isolates - A multi-centric cross-sectional study.	3,14,209.00	86,400.00	4,719.00	4,05,328.00	3,11,813.00	93,515.00
DHR-ICMR Advance Medical Oncology Diagnostic Services (DIAMONDS)	90,20,544.00	1,14,83,766.00	3,54,423.00	2,08,58,733.00	1,62,60,356.00	45,98,377.00
GenomeIndia catalouging the Genetic Variation in Indians	27,77,386.00		65,960.00	28,43,346.00	23,23,601.00	5,19,745.00
Evaluation of a health system based intervention on change in thrombolysis rate in ST segment elevated myocardialinfraction (STEMI) acute coronary syndrome (ACS) across selected districts of the country-A health implementation research project(ICMR-STEMI-ACT)	24,47,658.00		49,030.00	24,96,688.00	5,16,737.00	19,79,951.00
Clinical Charactristics and virological clearanceamong SARS Cov-2 infected patients in India	-			-	-	-
Research on indegeneous popoulatin of district Sirohi	5,10,478.00	6,30,962.00	5,725.00	11,47,165.00	11,19,628.00	27,537.00
Evalution of efficacy and safety of Ayurveda intervention (AYUSH 64) add on therapy for patients with COVID-19 infection (satge-1)	5,099.00		1,426.00	6,525.00	-	6,525.00
Unnat Bharat Abhiyan (UBA)	51,082.00		1,070.00	52,152.00	-	52,152.00
Multimodal Approaches to develop potential Therapeutic Leads targeting molecular hot spots of duchenne muscular dystophy for clinical trial	2,48,487.00		5,014.00	2,53,501.00	1,12,023.00	1,41,478.00
Research study on patient blood management of Rajasthan and its impact on health economics	6,33,475.00		13,177.00	6,46,652.00	74,850.00	5,71,802.00
"National Clinical Registry for COVID-19 India"	3,06,486.00	58,53,666.00	8,142.00	61,68,294.00	35,40,559.00	26,27,735.00
"Expansion of Antimicrobial Stewardship (AMSP) and Infection Control Program (ICP)of ICMR in Secondary Care Hospitals"	13,12,197.00		22,543.00	13,34,740.00	7,13,771.00	6,20,969.00
"HTA of National Stroke Care Registry Programme - Development of Hospital Based Stroke Registries (HBSR) in different regions of India"	2,48,193.00	4,19,163.00	4,994.00	6,72,350.00	4,05,996.00	2,66,354.00
Safety and Efficacy of Lipiodol Ultra Fluid in Association with surgical glues during Vascular Emolization, a phase IV study	42,337.00		886.00	43,223.00	-	43,223.00
Comparative Assesement of various models of Mobile Medical Units for provision of service in remote and under served areas.	48,055.00		1,005.00	49,060.00	71.00	48,989.00
Evaluation of antiviral activity of a natural phytoconstituents based mouthwash	99,617.00		1,789.00	1,01,406.00	17,504.00	83,902.00
Risk factors for SARS-CoV-2 infection among health care workers in India: A Case Control Study	21,276.00	2,49,000.00	1,882.00	2,72,158.00	2,68,850.00	3,308.00
Development of an AI platform for Human Health	16,82,004.00		32,078.00	17,14,082.00	6,73,554.00	10,40,528.00
Mitochondrial dysfunction in children due to heat stress, a Potential cause of acute encephalitis syndrome.	1,01,68,532.00		1,88,701.00	1,03,57,233.00	35,71,820.10	67,85,412.90
Genetic Predisposition to methylglyoxal (MGO) toxicity and its association with targeted metabolites and glyco-oxidative stress in diabetic nephropathy	11,73,756.00		15,281.00	11,89,037.00	10,36,651.45	1,52,385.55
Iron Status in Healthy Term Breastfed Infants in Early Infancy: A Prospective Cohort Study	35,49,163.00		90,585.00	36,39,748.00	11,02,751.80	25,36,996.20
Database Creation For Computational Predictive Analysis of Treatment Response Assessment in Esophageal Cancer Cancer Patients in India	3,00,903.00		5,325.00	3,06,228.00	2,94,147.00	12,081.00

Dharam

Ae 1

Satyam Project "effects of yoga on anutonomic function pulmonary function and stress in health care workers due to covid -19 pandemic: correlation with inflamatory andoxiative stress markers"	-	14,04,694.00	24,721.00	14,29,415.00	14,29,415.00	-
WHO ICOPE(Integrated Care of Older Persons) model of assessment, care and referral of older persons in a low resource rural tribal primary care setting in India	-	1,00,000.00	59.00	1,00,059.00	99,117.00	942.00
Effect of 'kriya Yoga' on brain oscillations and percived stress in health care providers, during COVID-19 Pandemic: A Pilot Study	-	7,06,891.00	10,046.00	7,16,937.00	6,13,768.00	1,03,169.00
WHF Covid-19 and Cardiovascular Disease Survey	-	1,83,467.68	2,141.00	1,85,608.68	1,26,000.00	59,608.68
A Phase III ,randomized, mulkticenter, double blind, placebo controlled, study to evaluate efficacy safety and immunogenicity of N oval Corona Virus 2019 n Cov vacine candidate of M/S Cadila Healthcare Limited	-	66,41,172.00	10,697.00	66,51,869.00	64,27,094.00	2,24,775.00
ICMR Setting up of registry and targeted exome sequencung in children with renal tubular disorders	-	2,22,480.00	3,694.00	2,26,174.00	1,48,869.00	77,305.00
An Observational Study of prevalence of Vitamin D Deficiency in pregnanat Indian Demales and its association with gestational diabetes mellitus	-	14,86,857.00	22,151.00	15,09,008.00	4,76,805.00	10,32,203.00
Preoperative respiratory care and outcomes for patients undergoing high risk abdominal surgery (PENGUIN Trial)	-	2,50,000.00	1,317.00	2,51,317.00	1,84,821.00	66,496.00
Cluster randomised trial of sterile glove and istrument change at the time of wound closure to reduce surgical site infetion(ChEETAh Trial)	-	3,00,000.00	4,083.00	3,04,083.00	2,48,333.00	55,750.00
Development and clinical validation of markers for a point of care diagnostic kit diabetic nephropathy	-	5,70,000.00	9,308.00	5,79,308.00	35,274.00	5,44,034.00
Effectiveness of Covaxin and Covishield vaccines against severe COVID-19 in India: Multicentric hospital based case control study	-	3,28,500.00	1,765.00	3,30,265.00	3,20,844.00	9,421.00
Evaluathon of the effectivness of national health mission (NHM) policy of mainstreaming and colocating AYUSH within Primary Health Care	-	1,87,000.00	561.00	1,87,561.00	-	1,87,561.00
A randomized double blind, placebo controlled,multicentric, trial to detemine the Therapeutic efficacy of Ayush medicine NOQ19 in treatment of symptomatic COVID-19 Patient along with standard allopathic treatment	-	22,00,000.00	18,764.00	22,18,764.00	13,67,204.00	8,51,560.00
Assessment of urinary carcinogenes level and urine cytology among industry and non industry workers in Jodhpur	-	18,94,936.00	25,790.00	19,20,726.00	6,90,448.00	12,30,278.00
An International Multicenter, Adaptive, Radomized Double-Blind, Placebo Contolled Trial of the Safety, Tolerability and Efficacy of Anti- Coronavirus Hyperimmune Intravenous Immunoglobulin for Treatment of Adult Hospitalized Patients at Onset Clinical Progression of COVID-19	-	10,86,000.00	9,891.00	10,95,891.00	10,85,962.00	9,929.00
Seroepidemilogy Maternal immune Status and Missed Diagnosis of Pertussis among young infants in India	-	6,16,000.00	5,716.00	6,21,716.00	1,88,729.00	4,32,987.00
Telemedicine use to improve access, cost, quality of primary and secondary care of tribal people of Abu road tehsil of District Sirohi, Rajasthan: A hybrid type 2 effectivenass-implementation study	-	17,55,716.00	9,810.00	17,65,526.00	17,57,764.00	7,762.00
Integrated Community Based Palliative Home Care of Chronic Debilitated Patient - a novice approach in Jodhpur	-	21,57,568.00	20,356.00	21,77,924.00	1,19,104.00	20,58,820.00
Pharmacogenomic, biomedical, epigenetic, population pharmacokinetic study in tuberculosis patients - Multicentric study	-	22,44,606.00	21,178.00	22,65,784.00	3,15,249.00	19,50,535.00
Development and validation of an Indian instrument to assess severity of substance related problems	-	2,24,000.00	1,973.00	2,25,973.00	91,032.00	1,34,941.00
Satellite Centre for Tribal Health and Research(STHR)	-	1,05,00,000.00	92,180.00	1,05,92,180.00	66,39,757.00	39,52,423.00

Community Behavior and its determinanats in realtion to Malaria prevention and control in Rajasthan	-	28,84,470.00	27,026.00	29,11,496.00	7,68,453.00	21,43,043.00
Study of bone turnover marker and BMD in type 1 DM: a case control study	-	2,00,000.00	1,887.00	2,01,887.00	-	2,01,887.00
A phase II Open-Label Randomized controlled Trial to assess the safety and Efficacy of Convalescent plasma to limit COVID19 Associated Complication in Moderate Disease	-	1,22,000.00	824.00	1,22,824.00	49,500.00	73,324.00
A Situational Analysis of Childhood Cancer Care Services in India	-	24,500.00	87.00	24,587.00	15,000.00	9,587.00
Exploring empathy, advocacy and neglect in the context of neglected tropical disease: A mixed methods study from India	-	1,99,706.60	1,369.00	2,01,075.60	-	2,01,075.60
Screening for sickle cell anemia in newborn, pregnant women(ANC) and family members in Rajasthan	-	1,40,50,000.00	43,401.00	1,40,93,401.00	96,41,538.00	44,51,863.00
Establishment of a Consortium for One Health to address Zoonotic and Transboundary Diseases in India, including the Northeast Region	-	22,96,200.00	14,135.00	23,10,335.00	2,07,020.00	21,03,315.00
Efficacy and safety of Panchkutta Powder in the treatment od Dyslipidemia: A Randomized open label Study Feasibility trial	-	91,000.00	562.00	91,562.00	-	91,562.00
Mapping the entire bidi trade in the seven largest bidi producing states, and identify the gaps in legal and illicit bidi manufacture	-	28,31,108.02	6,582.00	28,37,690.02	12,02,428.00	16,35,262.02
Women 's Health and Domestic voilence against women during COVID-19 Pandemic in India: A Cross-Sectional Study	-	1,05,300.00	198.00	1,05,498.00	78,452.00	27,046.00
Indian Multiple Sclerosis and Allied Demyelinating Disorders Registry and Research Network	-	2,82,200.00	532.00	2,82,732.00	-	2,82,732.00
IMPETUS: IMPlementation of an Evaluation and Treatment Package for Uniform Stroke Care and Outcomes in the medical colleges	-	3,59,515.00	677.00	3,60,192.00	1,44,569.00	2,15,623.00
ICMR's Network of Pulmonary Fibrosis	-	9,75,796.00	1,838.00	9,77,634.00	99,173.00	8,78,461.00
Cost Effectiveness of Pradhan Mantri Janaushadhi Pariyojna(PMJP) and its impact on Financail Risk Protection in India	-	4,68,720.00	883.00	4,69,603.00	1,29,591.00	3,40,012.00
A Prospective, Multicentre 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 HGC019(COVID-19 Vaccine) in healthy subjects	-	8,84,000.00		8,84,000.00	5,98,400.00	2,85,600.00
Review of WHO PEN Competencies in Preservice courses in health and medical courses to build an NCD-ready workforce to Deliver people-centre NCD services	-	1,98,289.00		1,98,289.00	1,24,619.00	73,670.00
Myocardial performance determination through non-contact Ballistocardiology	-	2,84,200.00		2,84,200.00	1,62,400.00	1,21,800.00
Analysing in the role of circulating PTEN and Micro RNAs in immune homeostasis of TH9, TH-22 and Treg cells in Diabetic Nephropathy	-	2,82,685.00		2,82,685.00	-	2,82,685.00
COACH(community oriented action and caring hands) approach for promoting end of life care in Jodhpur, Rajasthan through participatory research methodology	-	12,60,350.00		12,60,350.00	-	12,60,350.00
Do biomarkers predict bone healing in lower limb diaphyseal fractures: A Prospective Cohort Study	-	4,11,743.00		4,11,743.00	-	4,11,743.00
Application of new tools for molecular diagnosis and surveillance of post Kala Azar Dermal Leishmaniasis and cutaneous leishmaniasis in India	-	2,00,000.00		2,00,000.00	16,490.00	1,83,510.00
Use of mobile health(m-health) applications to train primary health centre staff in acute mangement of burn and injury patients in Jodhpur, Rajsathan: A Community Based trial	-	24,44,328.00		24,44,328.00	-	24,44,328.00

Prioritizing Hypertension control and care by strengthening primary health care	-	14,41,980.25		14,41,980.25	-	14,41,980.25
Epidemiology of Pancreatitis and Major Gastrointestinal Diseases: A Multi-centre Study Across India- An ICMR Task Force Project	-	20,36,908.00	-	20,36,908.00	-	20,36,908.00
Characterization of amyloidosis in diagnostic services using western blot technique and immunogold electron Microscopy	-	15,27,500.00	-	15,27,500.00	-	15,27,500.00
Predictive value of progression of various stages of depression to suicide by epigenetic modification of FKBP5 gene	-	9,98,900.00	-	9,98,900.00	-	9,98,900.00
Implementation of AMSP in various tertiary care centres across India: Apollo Hospitals, Chennai	-	25,92,699.00	-	25,92,699.00	-	25,92,699.00
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	-	1,92,037.00	-	1,92,037.00	-	1,92,037.00
Flipping to Empower Adolescents for Sexual and Reproductive Health - Grand Challenges Canada (GCC)	43,825.00	-	1,218.00	45,043.00	-	45,043.00
Extramural Research Section	85,801.00			85,801.00	-	85,801.00
	4,85,85,913.00	10,69,53,472.55	15,72,349.00	15,71,11,734.55	8,18,69,714.55	7,52,42,020.00

ALL INDIA INSTITUTE OF MEDICAL SCIENCES (RESEARCH SECTION), JODHPUR

SCHEDULE B: DETAILS OF INSTRUMENTS,EQUIPMENTS, COMPUTERS AND OTHER MACHINES AQUIRED DURING THE YEAR ENDED ON 31.03.2022

NAME OF THE PROJECT	AMOUNTS (RS.)
BALANCE B/F AS ON 01.04.2021	80,72,144.00
Capacity Building and Strengthning of Hospital Infection Control to Detect and Prevent Antimicrobial Resistance in India	6,77,018.00
Establishment of DBT NIDAN Kendra at AIIMS Jodhpur	22,29,152.00
Improve diagnosis and management of cystic firbrosis (CF) by capacity building of medical college hospitals across India and develop registry.	3,040.00
DHR-ICMR Advance Medical Oncology Diagnostic Services (DIAMONDS)	95,61,635.00
GenomeIndia catalouging the Genetic Variation in Indians	1,16,015.00
Evaluaion of a health system based intervention on change in thrombolysis rate in ST segment elevated myocardialinfraction (STEMI) acute coronary syndrome (ACS) across selected districts of the country-A health implementation research project(ICMR-STEMI-ACT)	25,900.00
"HTA of National Stroke Care Registry Programme - Development of Hospital Based Stroke Registries (HBSR) in different regions of India"	18,399.00
Mitochondrial dysfunction in children due to heat stress, a Potential cause of acute encephalitis syndrome.	1,40,696.00
WHO ICOPE(integrated Care of Older Persons) model of assessment, care and referral of older persons in a low resource rural tribal primary care setting in India	24,517.00
Effect of 'kriya Yoga' on brain oscillations and percived stress in health care providers, during COVID-19 Pandemic: A Pilot Study	4,02,227.00
Effectiveness of Covaxin and Covishield vaccines against severe COVID-19 in India: Multicentric hospital based case control study.	47,799.00
An International Multicenter, Adaptive, Radomized Double-Blind, Placebo Contolled Trial of the Safety, Tolerability and Efficacy of Anti- Corononavirus Hyperimmune Intravenous Immunoglobulin for Treatment of Adult Hospitalized Patients at Onset Clinical Progression of COVID-19	7,09,998.00
Satellite Centre for Tribal Health and Research(STHR)	21,32,490.00
Community Behavior and its determinanats in realtion to Malaria prevention and control in Rajasthan	1,60,000.00
Screening for sickle cell anemia in newborn, pregnant women(ANC) and family members in Rajasthan	50,74,000.00
Mapping the entire bidi trade in the seven largest bidi producing states, and identify the gaps in legal and illicit bidi manufacture	2,02,000.00
IMPETUS: IMPlementation of an Evaluation and Treatment Package for Uniform Stroke Care and Outcomes in the medical colleges	19,698.00
Application of new tools for molecular diagnosis and surveillance of post Kala Azar Dermal Leishmaniasis and cutaneous leishmaniasis in India	16,490.00
TOTAL	**2,96,33,218.00**

ALL INDIA INSTITUTE OF MEDICAL SCIENCES (RESEARCH SECTION), JODHPUR

SCHEDULE C: DETAILS OF ADVANCE PAID AS ON 31.03.2022

NAME OF THE PROJECT	AMOUNTS (RS.)
GenomeIndia catalouging the Genetic Variation in Indians	10,000.00
Integrated Community Based Palliative Home Care of Chronic Debilitated Patient - a novice approach in Jodhpur	20,000.00
Pharmacogenomic, biomedical, epigenetic, population pharmacokinetic study in tuberculosis patients - Multicentric study	20,000.00
Satellite Centre for Tribal Health and Research(STHR)	20,000.00
TOTAL	**70,000.00**

ALL INDIA INSTITUTE OF MEDICAL SCIENCES (RESEARCH SECTION), JODHPUR

SCHEDULE D: DETAILS OF BANK BALANCES AS ON 31.03.2022

NAME OF THE PROJECT	AMOUNTS (RS.)
"Congenital Rubella Syndrome (CRS) Surveillance in India."	48,148.00
Capacity Building and Strengthning of Hospital Infection Control to Detect and Prevent Antimicrobial Resistance in India	2,65,675.00
Low birth weight in new born and Anaemia in Pregnant Women in Flouride Endemic Area of Western Rajasthan	575.00
Strengthening laboratory capabilities of AIIMS, Jodhpur for diagnosis & control of rabies in Rajasthan, India.	13,13,529.00
CANscriptTM Clinical Outcomes in a Real- world setting (ANCERS-S): A Prospective, Multicenter, Obseational Study Examining the Clinincal Utility of CANscriptTM in routine Clinical Practice	8,394.00
All India Institute of Medical Sciences Jodhpur Regional Center for Antimicrobial Surveillance Network.	3,27,903.00
Evaluating and srengthning pre-hospital trauna care system for mitigating burden of traffic accidents in Jodhpur	72.80
Systems Approach for Assessment of Maternal Deaths	1,54,319.00
Assessment of effectiveness of IT enabled Equipment Management & Maintenance System(e-upakaran) in Rajasthan	95,428.00
SRA-Verbal Autosy Initiative	96,655.00
To Assess the prevalence of specific micrountrient	36,061.00
Congenital Rubella Syndrome and Hospital Based Surveillance	25,309.00
Establishment of DBT NIDAN Kendra at AIIMS Jodhpur	7,08,480.00
Improve diagnosis and Management of cystic fibrosis	5,44,892.00
Stimulating Medical Students interest in Medical	4,82,776.00
Burden of Multidrug-resistant neonatal sepsis in hospital	6,17,550.00
Edidemiological study of estimating the Burden of Soil Tranmitted.....	1,61,036.00
An Observational study Analyzing the post-mortem interval in Human...	5,45,073.00
Resource Centre/Hub under Health Technology Assessment Project	79,67,332.00
Emerging drug resistance of in community acquirred	93,515.00
DHR-ICMR Advance Medical Oncology Diagnostic Services (DIAMONDS)	45,98,377.00
GenomeIndia catalouging the Genetic Variation in Indians	5,19,745.00
Evaluaion of a health system based intervention on change in thrombolysis rate in ST segment elevated myocardialinfraction (STEMI) acute coronary syndrome (ACS) across selected districts of the country-A health implementation research project(ICMR-STEMI-ACT)	19,79,951.00
Research on Indegeneous popoulatin of district Sirohi	27,537.00
Evalution of efficacy and safety of Ayurveda intervention (AYUSH 64) add on therapy for patients with COVID-19 infection (satge-1)	6,525.00
Unnat Bharat Abhiyan (UBA)	52,152.00
Multimodal Approaches to develop potential therapeutic Leads targeting molecular hot spots of Duchenne musculkar Dystophy for clinical trial	1,41,478.00
Research study on patient blood management of Rajasthan state and its impact on health economics	5,71,802.00
"National Clinical Registry for COVID-19 India"	26,27,735.00
"Expansion of Antimicrobial Stewardship (AMSP) and Infection Control Program (ICP)of ICMR in Secondary Care Hospitals"	6,20,969.00
"HTA of National Stroke Care Registry Programme - Development of Hospital Based Stroke Registries (HBSR) in different regions of India"	2,66,354.00
Regarding Investigator Clinical Study Agreement between Dr, Push[inder khera AIIMS Ju and ISRO Clinipharm Pvt Ltd	43,223.00
Comparative Assesement of various models of Mobile Medical Units for provision of service in remote and under served areas.	48,989.00

Evaluation of antiviral activity of a natural phytoconstituents based mouthwash	83,902.00
Risk factors for SARS-CoV-2 infection among health care workers in India: A Case Control Study	3,308.00
Development of an AI platform for Hyman Health	10,40,528.00
Mitochondrial dysfuntion in children fur to heat stess....	67,85,412.90
Genetic Predisposition to methylglyoxal (MGO) toxicity and its association with targeted metabolites and glyco-oxidative stress in diabetic nephropathy	1,52,385.55
Iron Status in Healthy Term Breastfed Infants in Early Infancy: A Prospective Cohort Study	25,36,996.20
Database Creation For Computational Predictive Analysis of Treatment Response Assessment in Esophageal Cancer Patients in India	12,081.00
WHO ICOPE(integrated Care of Older Persons) model of assessment, care and referral of older persons in a low resource rural tribal primary care setting in India	942.00
Effect of 'kriya Yoga' on brain oscillations and percived stress in health care providers, during COVID-19 Pandemic: A Pilot Study	1,03,169.00
WHF Covid-19 and Cardiovascular Disease Survey	59,608.68
A Phase III ,randomized, mulkticenter, double blind, placebo controlled, study to evaluate effcacy safety and immunogenicity of N oval Corona Virus 2019 n Cov vacine candidate of M/S Cadila Healthcare Limited	2,24,775.00
ICMR Setting up of registry and targeted exome sequencung in children with renal tub ular disorders	77,305.00
An Observational Study of prevalence of Vitamin D Deficiency in pregnanat Indian Demales and its association with gestational diabetes mellitus	10,32,203.00
Preoperative respiratory care and outcomes for patients undergoing high risk abdominal surgery (PENGUIN Trial)	66,496.00
Cluster randomised trial of sterile glove and istrument change at the time of wound closure to reduce surgical site infetion(ChEETAh Trial)	55,750.00
Development and clinical validation of markers for a point of care diagnostic kit diabetic nephropathy	5,44,034.00
Effectiveness of Covaxin and Covishield vaccines against severe COVID-19 in India: Multicentric hospital based case control study	9,421.00
Evaluatiuon of the effectivness of national health mission (NHM) policy of mainstreaming and colocating AYUSH within Primary Health Care	1,87,561.00
A randomized double blind, placebo controlled,multicentric, trial to detemine the Therapeutic efficacy of Ayush medicine NOQ19 in treatment of symptomatic COVID-19 Patient along with standard allopathic treatment	8,51,560.00
Assessment of urinary carcinogenes level and urine cytology among industry and non industry workers in Jodhpur	12,30,278.00
An International Multicenter, Adaptive, Radomized Double-Blind, Placebo Contolled Trial of the Safety, Tolerability and Efficacy of Anti- Corononavirus Hyperimmune Intravenous Immunoglobulin for Treatment of Adult Hospitalized Patients at Onset Clinical Progression of COVID-19	9,929.00
Seroepidemilogy Maternal immune Status and Missed Diagnosis of Pertussis among young Infants in India	4,32,987.00
Telemedicine use to improve access, cost, quality of primary and secondary care of tribal people of Abu road tehsil of District Sirohi, Rajasthan: A hybrid type 2 effectiveness-implementation study	7,762.00
Integrated Community Based Palliative Home Care of Chronic Debilitated Patient - a novice approach in Jodhpur	20,58,820.00
Pharmacogenomic, biomedical, epigenetic, population pharmacokinetic study in tuberculosis patients - Multicentric study	19,50,535.00
Development and validation of an Indian instrument to assess severity of substance related problems	1,34,941.00
Satellite Centre for Tribal Health and Research(STHR)	39,52,423.00
Community Behavior and its determinanats in realtion to Malaria prevention and control in Rajasthan	21,43,043.00

Study of bone turnover marker and BMD in type 1 DM: a case control study	2,01,887.00
A phase II Open-Label Randomized controlled Trial to assess the safety and Efficacy of Convalescent plasma to limit COVID19 Associated Complication in Moderate Disease	73,324.00
A Situational Analysis of Childhood Cancer Care Services In India	9,587.00
Exploring empathy, advocacy and neglect in the context of neglected tropical disease: A mixed methods study from India	2,01,075.60
Screening for sickle cell anemia in newborn, pregnant women(ANC) and family members in Rajasthan	44,51,863.00
Establishment of a Consortium for One Health to address Zoonotic and Transboundary Diseases in India, Including the Northeast Region	21,03,315.00
Efficacy and safety of Panchkutta Powder in the treatment od Dyslipidemia: A Randomized open label Study Feasibility trial	91,562.00
Mapping the entire bidi trade in the seven largest bidi producing states, and identify the gaps in legal and illicit bidi manufacture	16,35,262.02
Women 's Health and Domestic voilence against women during COVID-19 Pandemic in India: A Cross-Sectional Study	27,046.00
Indian Multiple Sclerosis and Alied Demyelinating Disorders Registry and Research Network	2,82,732.00
IMPETUS: IMPlementation of an Evaluation and Treatment Package for Uniform Stroke Care and Outcomes in the medical colleges	2,15,623.00
ICMR's Network of Pulmonary Fibrosis	8,78,461.00
Cost Effectiveness of Pradhan Mantri Janaushadhi Pariyojna(PMJP) and its impact on Financail Risk Protection in India	3,40,012.00
A Prospective, Multicentre 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	2,85,600.00
Review of WHO PEN Competencies in Preservice courses in health and medical courses to build an NCD-ready workforce to Deliver people-centre NCD services	73,670.00
Myocardial performance determination through non-contact Ballistocardiology	1,21,800.00
Analysing in the role of circulating PTEN and Micro RNAs in Immune homeostasis of TH9, TH-22 and Treg cells in Diabetic Nephropathy	2,82,685.00
COACH(community oriented action and caring hands) approach for promoting end of life care in Jodhpur, Rajasthan through participatory research methodology	12,60,350.00
Do biomarkers predict bone healing in lower limb diaphyseal fractures: A Prospective Cohort Study	4,11,743.00
Application of new tools for molecular diagnosis and surveillance of post Kala Azar Dermal Leishmaniasis and cutaneous leishmaniasis in India	1,83,510.00
Use of mobile health(m-health) applications to train primary health centre staff in acute mangement of burn and injury patients in Jodhpur, Rajsathan: A Community Based trial	24,44,328.00
Prioritizing Hypertension control and care by strenghtening primary health care	14,41,980.25
Epidemiology of Pancreatitis and Major Gastrointestinal Diseases: A Multi-centre Study Acroos India- An ICMR Task Force Project	20,36,908.00
Characterization of amyloidosis in diagmostic services using western blot technique and immunogold electron Microscopy	15,27,500.00
Predictive value of progression of various stages of depression to suicide by epigenetic modification of FKBP5 gene	9,98,900.00
Implementation of AMSP in various tertiary care centres across India: Apollo Hospitals, Chennai	25,92,699.00
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	1,92,037.00
Flipping to Empower Adolescents for Sexual and Reproductive Health	45,043.00

Extramural Research Section	85,801.00
TOTAL	7,52,42,020.00

ALL INDIA INSTITUTE OF MEDICAL SCIENCES (RESEARCH SECTION), JODHPUR
SCHEDULE E: DETAILS OF SALARY PAID DURING THE YEAR ENDED ON 31.03.2022

NAME OF THE PROJECT	AMOUNTS (RS.)
Capacity Building and Strengthning of Hospital Infection Control to Detect and Prevent Antimicrobial Resistance in India	9,69,307.00
All India Institute of Medical Sciences Jodhpur Regional Center for Antimicrobial Surveillance Network.	1,69,433.00
Initiating Antimicrobial Stewardship activities in Hospitals in India	5,53,797.00
System Approach for Assessment of Maternal Deaths in Rajasthan: A Feasibility Study	7,89,600.00
Congenital Rubella Syndrome & Hospital Based Surveillance Phase 2	14,76,058.00
Establishment of DBT NIDAN Kendra at AIIMS Jodhpur	5,33,168.00
Improve diagnosis and management of cystic firbrosis (CF) by capacity building of medical college hospitals across India and develop registry.	3,78,000.00
Burden of Multidrug-resistant neonatal sepsis in hospital setting in India (Study)	12,39,902.00
Resource Centre/Hub under Health Technology Assessment Project	18,81,507.00
Emerging drug resistance of in community acquired urinary tract infection and molecular insights into dynamics of resistance traits in Indian isolates - A multi-centric cross-sectional study.	1,12,469.00
DHR-ICMR Advance Medical Oncology Diagnostic Services (DIAMONDS)	18,15,801.00
GenomeIndia catalouging the Genetic Variation in Indians	4,28,099.00
Evaluaion of a health system based intervention on change in thrombolysis rate in ST segment elevated myocardialinfraction (STEMI) acute coronary syndrome (ACS) across selected districts of the country-A health implementation research project(ICMR-STEMI-ACT)	4,60,219.00
Research on Indegeneous popoulatin of district Sirohi	5,37,489.00
Research study on patient blood management of Rajasthan and its impact on health economics	68,000.00
"National Clinical Registry for COVID-19 India"	10,87,869.00
"Expansion of Antimicrobial Stewardship (AMSP) and Infection Control Program (ICP)of ICMR in Secondary Care Hospitals"	6,67,800.00
"HTA of National Stroke Care Registry Programme - Development of Hospital Based Stroke Registries (HBSR) in different regions of India"	3,72,000.00
Evaluation of antiviral activity of a natural phytoconstituents based mouthwash	16,000.00
Risk factors for SARS-CoV-2 infection among health care workers in India: A Case Control Study	90,000.00
Mitochondrial dysfunction in children due to heat stress, a Potential cause of acute encephalitis syndrome.	17,02,333.00
Genetic Predisposition to methylglyoxal (MGO) toxicity and its association with targeted metabolites and glyco-oxidative stress in diabetic nephropathy	4,12,960.00
Iron Status in Healthy Term Breastfed Infants in Early Infancy: A Prospective Cohort Study	10,47,193.00
Database Creation For Computational Predictive Analysis of Treatment Response Assessment in Esophageal Cancer Cancer Patients In India	1,98,000.00
Satyam Project "effects of yoga on anutonomic function pulmonary function and stress in health care workers due to covid -19 pandemic: correlation with inflamatory andoxiative stress markers"	3,96,028.00
WHO ICOPE(integrated Care of Older Persons) model of assessment, care and referral of older persons in a low resource rural tribal primary care setting in India	67,800.00
Effect of 'kriya Yoga' on brain oscillations and percived stress in health care providers, during COVID-19 Pandemic: A Pilot Study	1,68,300.00

Sharma

WHF Covid-19 and Cardiovascular Disease Survey	1,26,000.00
A Phase III ,randomized, mulkticenter, double blind, placebo controlled, study to evaluate effcacy safety and immunogenicity of N oval Corona Virus 2019 n Cov vacine candidate of M/S Cadila Healthcare Limited	50,000.00
ICMR Setting up of registry and targeted exome sequencung in children with renal tubular disorders	1,42,389.00
An Observational Study of prevalence of Vitamin D Deficiency in pregnanat Indian Demales and its association with gestational diabetes mellitus	1,58,200.00
Preoperative respiratory care and outcomes for patients undergoing high risk abdominal surgery (PENGUIN Trial)	1,69,821.00
Cluster randomised trial of sterile glove and istrument change at the time of wound closure to reduce surgical site infetion(ChEETAh Trial)	2,33,333.00
Effectiveness of Covaxin and Covishield vaccines against severe COVID-19 in India: Multicentric hospital based case control study	2,70,000.00
A randomized double blind, placebo controlled,multicentric, trial to detemine the Therapeutic efficacy of Ayush medicine NOQ19 in treatment of symptomatic COVID-19 Patient along with standard allopathic treatment	62,000.00
Assessment of urinary carcinogenes level and urine cytology among industry and non industry workers in Jodhpur	2,09,800.00
An International Multicenter, Adaptive, Radomized Double-Blind, Placebo Contolled Trial of the Safety, Tolerability and Efficacy of Anti- Corononavirus Hyperimmune Intravenous Immunoglobulin for Treatment of Adult Hospitalized Patients at Onset Clinical Progression of COVID-19	54,000.00
Seroepidemilogy Maternal immune Status and Missed Diagnosis of Pertussis among young Infants in India	1,62,600.00
Telemedicine use to improve access, cost, quality of primary and secondary care of tribal people of Abu road tehsil of District Sirohi, Rajasthan: A hybrid type 2 effectiveness-implementation study	5,43,081.00
Integrated Community Based Palliative Home Care of Chronic Debilitated Patient - a novice approach in Jodhpur	62,336.00
Pharmacogenomic, biomedical, epigenetic, population pharmacokinetic study in tuberculosis patients - Multicentric study	97,440.00
Development and validation of an Indian instrument to assess severity of substance related problems	91,032.00
Satellite Centre for Tribal Health and Research(STHR)	18,87,306.00
Community Behavior and its determinanats in realtion to Malaria prevention and control in Rajasthan	5,18,853.00
A phase II Open-Label Randomized controlled Trial to assess the safety and Efficacy of Convalescent plasma to limit COVID19 Associated Complication in Moderate Disease	42,000.00
A Situational Analysis of Childhood Cancer Care Services In India	15,000.00
Establishment of a Consortium for One Health to address Zoonotic and Transboundary Diseases in India, Including the Northeast Region	1,23,110.00
Mapping the entire bidi trade in the seven largest bidi producing states, and identify the gaps in legal and illicit bidi manufacture	9,64,225.00
Women 's Health and Domestic voilence against women during COVID-19 Pandemic in India: A Cross-Sectional Study	78,452.00
IMPETUS: IMPlementation of an Evaluation and Treatment Package for Uniform Stroke Care and Outcomes in the medical colleges	1,24,871.00
ICMR's Network of Pulmonary Fibrosis	76,577.00
Cost Effectiveness of Pradhan Mantri Janaushadhi Pariyojna(PMJP) and its impact on Financail Risk Protection in India	1,16,571.00
Review of WHO PEN Competencies in Preservice courses in health and medical courses to build an NCD-ready workforce to Deliver people-centre NCD services	1,23,500.00
Myocardial performance determination through non-contact Ballistocardiology	1,62,400.00
TOTAL	**2,43,04,029.00**

ALL INDIA INSTITUTE OF MEDICAL SCIENCES (RESEARCH SECTION), JODHPUR

SCHEDULE F: DETAILS OF GENERAL EXPENSES INCURRED DURING THE YEAR ENDED ON 31.03.2022

NAME OF THE PROJECT	AMOUNTS (RS.)
Capacity Building and Strengthning of Hospital Infection Control to Detect and Prevent Antimicrobial Resistance in India	5,960.00
Low birth weight in new born and Anaemia in Pregnant Women in Flouride Endemic Area of Western Rajasthan	5,900.00
Strengthening laboratory capabilities of AIIMS, Jodhpur for diagnosis & control of rabies in Rajasthan, India.	1,03,763.00
All India Institute of Medical Sciences Jodhpur Regional Center for Antimicrobial Surveillance Network.	1,78,006.00
Initiating Antimicrobial Stewardship activities in Hospitals in India	22,839.00
System Approach for Assessment of Maternal Deaths in Rajasthan: A Feasibility Study	2,41,281.00
Congenital Rubella Syndrome & Hospital Based Surveillance Phase 2	1,93,360.00
Establishment of DBT NIDAN Kendra at AIIMS Jodhpur	61,678.00
Stimulating Medical Students interest in Medical Genetics: Randomized Controlled trail of an Innovative Educational Intervention.	1,12,023.00
Burden of Multidrug-resistant neonatal sepsis in hospital setting in India (Study)	3,99,975.00
An observation study analysing the post mortem interval in human cadavers using autopsy proteins	1,08,975.00
Resource Centre/Hub under Health Technology Assessment Project	1,70,488.00
Emerging drug resistance of in community acquired urinary tract infection and molecular insights into dynamics of resistance traits in Indian isolates - A multi-centric cross-sectional study.	1,63,621.00
DHR-ICMR Advance Medical Oncology Diagnostic Services (DIAMONDS)	38,36,505.00
GenomeIndia catalouging the Genetic Variation in Indians	16,99,523.00
Evaluaion of a health system based intervention on change in thrombolysis rate in ST segment elevated myocardialinfraction (STEMI) acute coronary syndrome (ACS) across selected districts of the country-A health implementation research project(ICMR-STEMI-ACT)	30,618.00
Research on Indegeneous popoulatin of district Sirohi	5,82,139.00
Multimodal Approaches to develop potential Therapeutic Leads targeting molecular hot spots of duchenne muscular dystophy for clinical trial	1,12,023.00
Research study on patient blood management of Rajasthan and its impact on health economics	6,850.00
"National Clinical Registry for COVID-19 India"	41,466.00
"Expansion of Antimicrobial Stewardship (AMSP) and Infection Control Program (ICP)of ICMR in Secondary Care Hospitals"	45,971.00
"HTA of National Stroke Care Registry Programme - Development of Hospital Based Stroke Registries (HBSR) in different regions of India"	5,597.00
Comparative Assesement of various models of Mobile Medical Units for provision of service in remote and under served areas.	71.00
Evaluation of antiviral activity of a natural phytoconstituents based mouthwash	1,504.00
Risk factors for SARS-CoV-2 infection among health care workers in India: A Case Control Study	1,20,266.00
Development of an AI platform for Human Health	6,73,554.00
Mitochondrial dysfunction in children due to heat stress, a Potential cause of acute encephalitis syndrome.	3,51,791.10
Genetic Predisposition to methylglyoxal (MGO) toxicity and its association with targeted metabolites and glyco-oxidative stress in diabetic nephropathy	6,23,691.45
Iron Status in Healthy Term Breastfed Infants in Early Infancy: A Prospective Cohort Study	55,558.80
Database Creation For Computational Predictive Analysis of Treatment Response Assessment in Esophageal Cancer Cancer Patients In India	96,147.00

Satyam Project "effects of yoga on anutonomic function pulmonary function and stress in health care workers due to covid -19 pandemic: correlation with inflamatory andoxiative stress markers"	6,38,566.00
A Phase III ,randomized, mulkticenter, double blind, placebo controlled, study to evaluate effcacy safety and immunogenicity of N oval Corona Virus 2019 n Cov vacine candidate of M/S Cadila Healthcare Limited	53,34,610.00
An Observational Study of prevalence of Vitamin D Deficiency in pregnanat Indian Demales and its association with gestational diabetes mellitus	2,75,298.00
Development and clinical validation of markers for a point of care diagnostic kit diabetic nephropathy	35,274.00
Effectiveness of Covaxin and Covishield vaccines against severe COVID-19 in India: Multicentric hospital based case control study	3,045.00
A randomized double blind, placebo controlled,multicentric, trial to detemine the Therapeutic efficacy of Ayush medicine NOQ19 in treatment of symptomatic COVID-19 Patient along with standard allopathic treatment	1,54,204.00
Assessment of urinary carcinogenes level and urine cytology among industry and non industry workers in Jodhpur	4,26,912.00
An International Multicenter, Adaptive, Radomized Double-Blind, Placebo Contolled Trial of the Safety, Tolerability and Efficacy of Anti- Corononavirus Hyperimmune Intravenous Immunoglobulin for Treatment of Adult Hospitalized Patients at Onset Clinical Progression of COVID-19	2,99,964.00
Seroepidemilogy Maternal immune Status and Missed Diagnosis of Pertussis among young Infants in India	26,129.00
Telemedicine use to improve access, cost, quality of primary and secondary care of tribal people of Abu road tehsil of District Sirohi, Rajasthan: A hybrid type 2 effectiveness-implementation study	18,221.00
Pharmacogenomic, biomedical, epigenetic, population pharmacokinetic study in tuberculosis patients - Multicentric study	1,32,723.00
Satellite Centre for Tribal Health and Research(STHR)	25,99,961.00
Community Behavior and its determinanats in realtion to Malaria prevention and control in Rajasthan	33,810.00
A phase II Open-Label Randomized controlled Trial to assess the safety and Efficacy of Convalescent plasma to limit COVID19 Associated Complication in Moderate Disease	7,500.00
Screening for sickle cell anemia in newborn, pregnant women(ANC) and family members in Rajasthan	45,67,538.00
Establishment of a Consortium for One Health to address Zoonotic and Transboundary Diseases in India, Including the Northeast Region	33,910.00
Mapping the entire bidi trade in the seven largest bidi producing states, and identify the gaps in legal and illicit bidi manufacture	36,203.00
A Prospective, Multicentre 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	5,98,400.00
Review of WHO PEN Competencies in Preservice courses in health and medical courses to build an NCD-ready workforce to Deliver people-centre NCD services	1,119.00
TOTAL	**2,52,74,531.35**

ALL INDIA INSTITUTE OF MEDICAL SCIENCES (RESEARCH SECTION), JODHPUR

SCHEDULE G: DETAILS OF BANK INTEREST RETURN BACK DURING THE YEAR ENDED ON 31.03.2022

NAME OF THE PROJECT	AMOUNTS (RS.)

Low birth weight in new born and Anaemia in Pregnant Women in Flouride Endemic Area of Western Rajasthan	1,06,538.00
Strengthening Laboratory Capabilities	1,19,178.00
Establishment of DBT NIDAN Kendra at AIIMS Jodhpur	1,91,417.00
Resource Centre/Hub under Health Technology Assessment Project	1,89,814.00
DHR-ICMR Advance Medical Oncology Diagnostic Services (DIAMONDS)	4,92,216.00
GenomeIndia cataloguing the Genetic Variation in Indians	69,964.00
Telemedicine use to improve access, cost, quality of primary and secondary care of tribal people of Abu road tehsil of District Sirohi, Rajasthan: A hybrid type 2 effectiveness-implementation study	2,048.00
TOTAL	**11,71,175.00**

ALL INDIA INSTITUTE OF MEDICAL SCIENCES (RESEARCH SECTION), JODHPUR

SCHEDULE H: DETAILS OF OVERHEAD EXPENSES INCURRED DURING THE YEAR ENDED ON 31.03.2022

NAME OF THE PROJECT	AMOUNTS (RS.)
All India Institute of Medical Sciences Jodhpur Regional Center for Antimicrobial Surveillance Network.	51,557.00
Initiating Antimicrobial Stewardship activities in Hospitals in India	35,390.00
SRA-Verbal Autosy Initiative	8,143.00
Congenital Rubella Syndrome & Hospital Based Surveillance Phase 2	42,612.00
Establishment of DBT NIDAN Kendra at AIIMS Jodhpur	50,000.00
Burden of Multidrug-resistant neonatal sepsis in hospital setting in India (Study)	72,000.00
An observation study analysing the post mortem interval in human cadavers using autopsy proteins	21,000.00
Resource Centre/Hub under Health Technology Assessment Project	2,28,835.00
Emerging drug resistance of in community acquired urinary tract infection and molecular insights into dynamics of resistance traits in Indian isolates - A multi-centric cross-sectional study.	16,723.00
DHR-ICMR Advance Medical Oncology Diagnostic Services (DIAMONDS)	5,54,199.00
"National Clinical Registry for COVID-19 India"	26,650.00
"HTA of National Stroke Care Registry Programme - Development of Hospital Based Stroke Registries (HBSR) in different regions of India"	10,000.00
Satyam Project "effects of yoga on anutonomic function pulmonary function and stress in health care workers due to covid -19 pandemic: correlation with inflamatory andoxiative stress markers"	94,102.00
WHO ICOPE(integrated Care of Older Persons) model of assessment, care and referral of older persons in a low resource rural tribal primary care setting in India	6,800.00
Effect of 'kriya Yoga' on brain oscillations and percived stress in health care providers, during COVID-19 Pandemic: A Pilot Study	43,241.00
A Phase III ,randomized, mulkticenter, double blind, placebo controlled, study to evaluate effcacy safety and immunogenicity of N oval Corona Virus 2019 n Cov vacine candidate of M/S Cadila Healthcare Limited	3,04,772.00
ICMR Setting up of registry and targeted exome sequencung in children with renal tubular disorders	6,480.00
An Observational Study of prevalence of Vitamin D Deficiency in pregnanat Indian Demales and its association with gestational diabetes mellitus	43,307.00
Preoperative respiratory care and outcomes for patients undergoing high risk abdominal surgery (PENGUIN Trial)	15,000.00
Cluster randomised trial of sterile glove and istrument change at the time of wound closure to reduce surgical site infetion(ChEETAh Trial)	15,000.00
A randomized double blind, placebo controlled,multicentric, trial to detemine the Therapeutic efficacy of Ayush medicine NOQ19 in treatment of symptomatic COVID-19 Patient along with standard allopathic treatment	25,000.00

Assessment of urinary carcinogenes level and urine cytology among industry and non industry workers in Jodhpur	53,736.00
An International Multicenter, Adaptive, Radomized Double-Blind, Placebo Contolled Trial of the Safety, Tolerability and Efficacy of Anti- Corononavirus Hyperimmune Intravenous Immunoglobulin for Treatment of Adult Hospitalized Patients at Onset Clinical Progression of COVID-19	22,000.00
Telemedicine use to improve access, cost, quality of primary and secondary care of tribal people of Abu road tehsil of District Sirohi, Rajasthan: A hybrid type 2 effectiveness-implementation study	59,796.00
Integrated Community Based Palliative Home Care of Chronic Debilitated Patient - a novice approach in Jodhpur	36,768.00
Pharmacogenomic, biomedical, epigenetic, population pharmacokinetic study in tuberculosis patients - Multicentric study	65,086.00
Community Behavior and its determinanats in realtion to Malaria prevention and control in Rajasthan	55,790.00
Establishment of a Consortium for One Health to address Zoonotic and Transboundary Diseases in India, Including the Northeast Region	50,000.00
ICMR's Network of Pulmonary Fibrosis	22,596.00
Cost Effectiveness of Pradhan Mantri Janaushadhi Pariyojna(PMJP) and its impact on Financail Risk Protection in India	13,020.00
TOTAL	**20,49,603.00**

ALL INDIA INSTITUTE OF MEDICAL SCIENCES (RESEARCH WING), JODHPUR

SCHEDULE I: DETAILS OF UNSPENT GRANTS RETURN BACK DURING THE YEAR ENDED ON 31.03.2022

NAME OF THE PROJECT	AMOUNTS (RS.)
Evaluating and srengthning pre-hospital trauna care system for mitigating burden of traffic accidents in Jodhpur	7,796.20
Initiating Antimicrobial Stewardship activities in Hospitals in India	25,763.00
Congenital Rubella Syndrome & Hospital Based Surveillance Phase 2	2,67,536.00
Emerging drug resistance of in community acquired urinary tract infection and molecular insights into dynamics of resistance traits in Indian isolates - A multi-centric cross-sectional study.	19,000.00
Risk factors for SARS-CoV-2 infection among health care workers in India: A Case Control Study	18,584.00
Satyam Project "effects of yoga on anutonomic function pulmonary function and stress in health care workers due to covid -19 pandemic: correlation with inflamatory andoxiative stress markers"	3,00,719.00
Telemedicine use to improve access, cost, quality of primary and secondary care of tribal people of Abu road tehsil of District Sirohi, Rajasthan: A hybrid type 2 effectiveness-implementation study	11,34,618.00
Systems Approach for Assessment of Maternal Deaths	-
TOTAL	**17,74,016.20**

ALL INDIA INSTITUTE OF MEDICAL SCIENCES (RESEARCH SECTION), JODHPUR

SCHEDULE J: DETAILS OF BANK INTEREST RECEIVED DURING THE YEAR ENDED ON 31.03.2022

NAME OF THE PROJECT	AMOUNTS (RS.)
"Congenital Rubella Syndrome (CRS) Surveillance in India."	1,301.00
Capacity Building and Strengthning of Hospital Infection Control to Detect and Prevent Antimicrobial Resistance in India	15,971.00
Low birth weight in new born and Anaemia in Pregnant Women in Flouride Endemic Area of Western Rajasthan	575.00
Strengthening laboratory capabilities of AIIMS, Jodhpur for diagnosis & control of rabies in Rajasthan, India.	50,418.00
CANscriptTM Clinical Outcomes in a Real- world setting (ANCERS-S): A Prospective, Multicenter, Obseational Study Examining the Clinincal Utility of CANscriptTM in routine Clinical Practice	227.00

All India Institute of Medical Sciences Jodhpur Regional Center for Antimicrobial Surveillance Network.	4,634.00
Evaluating and srengthning pre-hospital trauna care system for mitigating burden of traffic accidents in Jodhpur	127.00
Initiating Antimicrobial Stewardship activities in Hospitals in India	6,334.00
System Approach for Assessment of Maternal Deaths in Rajasthan: A Feasibility Study	14,113.00
Assessment of effectiveness of IT enabled Equipment Management & Maintenance System(e-upakaran) in Rajasthan	1,956.00
SRA-Verbal Autosy Initiative	2,013.00
To assess the prevalence of specific micronutrient deficiencies in school going children aged between 6-16 years in ten cities of India	740.00
Congenital Rubella Syndrome & Hospital Based Surveillance Phase 2	14,068.00
Establishment of DBT NIDAN Kendra at AIIMS Jodhpur	34,919.00
Improve diagnosis and management of cystic firbrosis (CF) by capacity building of medical college hospitals across India and develop registry.	6,379.00
Stimulating Medical Students interest in Medical Genetics: Randomized Controlled trail of an Innovative Educational Intervention.	6,517.00
Burden of Multidrug-resistant neonatal sepsis in hospital setting in India (Study)	11,224.00
Epidemiological study of estimating the Burden of Soil Tranmitted Helminthes Infection in Antenatal Women in Slected State in India.	3,303.00
An observation study analysing the post mortem interval in human cadavers using autopsy proteins	8,227.00
Resource Centre/Hub under Health Technology Assessment Project	1,18,128.00
Emerging drug resistance of in community acquired urinary tract infection and molecular insights into dynamics of resistance traits in Indian isolates - A multi-centric cross-sectional study.	4,719.00
DHR-ICMR Advance Medical Oncology Diagnostic Services (DIAMONDS)	3,54,423.00
GenomeIndia catalouging the Genetic Variation in Indians	65,960.00
Evaluaion of a health system based intervention on change in thrombolysis rate in ST segment elevated myocardialinfraction (STEMI) acute coronary syndrome (ACS) across selected districts of the country-A health implementation research project(ICMR-STEMI-ACT)	49,030.00
Research on Indegeneous popoulatin of district Sirohi	5,725.00
Evalution of efficacy and safety of Ayurveda intervention (AYUSH 64) add on therapy for patients with COVID-19 infection (satge-1)	1,426.00
Unnat Bharat Abhiyan (UBA)	1,070.00
Multimodal Approaches to develop potential Therapeutic Leads targeting molecular hot spots of duchenne muscular dystophy for clinical trial	5,014.00
Research study on patient blood management of Rajasthan and its impact on health economics	13,177.00
"National Clinical Registry for COVID-19 India"	8,142.00
"Expansion of Antimicrobial Stewardship (AMSP) and Infection Control Program (ICP)of ICMR in Secondary Care Hospitals"	22,543.00
"HTA of National Stroke Care Registry Programme - Development of Hospital Based Stroke Registries (HBSR) in different regions of India"	4,994.00
Safety and Efficacy of Lipiodol Ultra Fluid in Association with surgical glues during Vascular Emolization, a phase IV study	886.00
Comparative Assesement of various models of Mobile Medical Units for provision of service in remote and under served areas.	1,005.00
Evaluation of antiviral activity of a natural phytoconstituents based mouthwash	1,789.00
Risk factors for SARS-CoV-2 infection among health care workers in India: A Case Control Study	1,882.00
Development of an AI platform for Human Health	32,078.00

Mitochondrial dysfunction in children due to heat stress, a Potential cause of acute encephalitis syndrome.	1,88,701.00
Genetic Predisposition to methylglyoxal (MGO) toxicity and its association with targeted metabolites and glyco-oxidative stress in diabetic nephropathy	15,281.00
Iron Status in Healthy Term Breastfed Infants in Early Infancy: A Prospective Cohort Study	90,585.00
Database Creation For Computational Predictive Analysis of Treatment Response Assessment in Esophageal Cancer Cancer Patients In India	5,325.00
Satyam Project "effects of yoga on anutonomic function pulmonary function and stress in health care workers due to covid -19 pandemic: correlation with inflamatory andoxiative stress markers"	24,721.00
WHO ICOPE(integrated Care of Older Persons) model of assessment, care and referral of older persons in a low resource rural tribal primary care setting in India	59.00
Effect of 'kriya Yoga' on brain oscillations and percived stress in health care providers, during COVID-19 Pandemic: A Pilot Study	10,046.00
WHF Covid-19 and Cardiovascular Disease Survey	2,141.00
A Phase III ,randomized, mulkticenter, double blind, placebo controlled, study to evaluate effcacy safety and immunogenicity of N oval Corona Virus 2019 n Cov vacine candidate of M/S Cadila Healthcare Limited	10,697.00
ICMR Setting up of registry and targeted exome sequencung in children with renal tubular disorders	3,694.00
An Observational Study of prevalence of Vitamin D Deficiency in pregnanat Indian Demales and its association with gestational diabetes mellitus	22,151.00
Preoperative respiratory care and outcomes for patients undergoing high risk abdominal surgery (PENGUIN Trial)	1,317.00
Cluster randomised trial of sterile glove and istrument change at the time of wound closure to reduce surgical site infetion(ChEETAh Trial)	4,083.00
Development and clinical validation of markers for a point of care diagnostic kit diabetic nephropathy	9,308.00
Effectiveness of Covaxin and Covishield vaccines against severe COVID-19 in India: Multicentric hospital based case control study	1,765.00
Evaluatiuon of the effectivness of national health mission (NHM) policy of mainstreaming and colocating AYUSH within Primary Health Care	561.00
A randomized double blind, placebo controlled,multicentric, trial to detemine the Therapeutic efficacy of Ayush medicine NOQ19 in treatment of symptomatic COVID-19 Patient along with standard allopathic treatment	18,764.00
Assessment of urinary carcinogenes level and urine cytology among industry and non industry workers in Jodhpur	25,790.00
An International Multicenter, Adaptive, Radomized Double-Blind, Placebo Contolled Trial of the Safety, Tolerability and Efficacy of Anti- Corononavirus Hyperimmune Intravenous Immunoglobulin for Treatment of Adult Hospitalized Patients at Onset Clinical Progression of COVID-19	9,891.00
Seroepidemilogy Maternal immune Status and Missed Diagnosis of Pertussis among young Infants in India	5,716.00
Telemedicine use to improve access, cost, quality of primary and secondary care of tribal people of Abu road tehsil of District Sirohi, Rajasthan: A hybrid type 2 effectiveness-implementation study	9,810.00
Integrated Community Based Palliative Home Care of Chronic Debilitated Patient - a novice approach in Jodhpur	20,356.00
Pharmacogenomic, biomedical, epigenetic, population pharmacokinetic study in tuberculosis patients - Multicentric study	21,178.00
Development and validation of an Indian instrument to assess severity of substance related problems	1,973.00
Satellite Centre for Tribal Health and Research(STHR)	92,180.00
Community Behavior and its determinanats in realtion to Malaria prevention and control in Rajasthan	27,026.00

Study of bone turnover marker and BMD in type 1 DM: a case control study	1,887.00
A phase II Open-Label Randomized controlled Trial to assess the safety and Efficacy of Convalescent plasma to limit COVID19 Associated Complication in Moderate Disease	824.00
A Situational Analysis of Childhood Cancer Care Services In India	87.00
Exploring empathy, advocacy and neglect in the context of neglected tropical disease: A mixed methods study from India	1,369.00
Screening for sickle cell anemia in newborn, pregnant women(ANC) and family members in Rajasthan	43,401.00
Establishment of a Consortium for One Health to address Zoonotic and Transboundary Diseases in India, Including the Northeast Region	14,135.00
Efficacy and safety of Panchkutta Powder in the treatment od Dyslipidemia: A Randomized open label Study Feasibility trial	562.00
Mapping the entire bidi trade in the seven largest bidi producing states, and identify the gaps in legal and illicit bidi manufacture	6,582.00
Women 's Health and Domestic voilence against women during COVID-19 Pandemic in India: A Cross-Sectional Study	198.00
Indian Multiple Sclerosis and Alied Demyelinating Disorders Registry and Research Network	532.00
IMPETUS: IMPlementation of an Evaluation and Treatment Package for Uniform Stroke Care and Outcomes in the medical colleges	677.00
ICMR's Network of Pulmonary Fibrosis	1,838.00
Cost Effectiveness of Pradhan Mantri Janaushadhi Pariyojna(PMJP) and its impact on Financail Risk Protection in India	883.00
Flipping to Empower Adolescents for Sexual and Reproductive Health	1,218.00
TOTAL	**15,72,349.00**

ALL INDIA INSTITUTE OF MEDICAL SCIENCES (RESEARCH SECTION), JODHPUR

SCHEDULE K: DETAILS OF GST PAID DURING THE YEAR ENDED ON 31.03.2022

NAME OF THE PROJECT	AMOUNTS (RS.)
A Phase III ,randomized, multicenter, double blind, placebo controlled, study to evaluate effcacy safety and immunogenicity of N oval Corona Virus 2019 n Cov vacine candidate of M/S Cadila Healthcare Limited	7,37,712.00
TOTAL	**7,37,712.00**

ALL INDIA INSTITUTE OF MEDICAL SCIENCES (RESEARCH SECTION), JODHPUR

SCHEDULE L: DETAILS OF GRANTS TRANSFERRED TO OTHER INSTITUTES DURING THE YEAR ENDED ON 31.03.2022

NAME OF THE PROJECT	AMOUNTS (RS.)
"National Clinical Registry for COVID-19 India"	23,84,574.00
Risk factors for SARS-CoV-2 infection among health care workers in India: A Case Control Study	40,000.00
Mitochondrial dysfunction in children due to heat stress, a Potential cause of acute encephalitis syndrome.	13,77,000.00
A randomized double blind, placebo controlled,multicentric, trial to detemine the Therapeutic efficacy of Ayush medicine NOQ19 in treatment of symptomatic COVID-19 Patient along with standard allopathic treatment	11,26,000.00
TOTAL	**49,27,574.00**

ALL INDIA INSTITUTE OF MEDICAL SCIENCES (RESEARCH SECTION), JODHPUR

SCHEDULE M: NOTES TO THE ACCOUNTS

1. Instruments, Equipments, Computers, other Machines and other accessories aquired during the year only are taken at purchase cost. No depreciation charged

2. Surplus shown in Income and Expenditure Account is the unspent amount of various grants only and shall be spent in future.

3. figures of grants received, expenditures incurred & their classification and bank balances are taken as verified by the respective Project Incharge.

ALL INDIA INSTITUTE OF MEDICAL SCIENCES
JODHPUR

Para wise comments on Separate Audit Report of the Comptroller & Auditor General of India on the accounts of All India Institute of Medical Sciences, Jodhpur, Rajasthan for the year 2021-22.

S. No.	Observation in the final Separate Audit Report	Comments on observation
A.	**General**	
	A reference is invited towards the Schedule-7(B) of the 'Uniform Format of Accounts' issued for preparation of accounts of the autonomous bodies, in which it has been stated that the Provision for liability towards Gratuity, Superannuation/Pension and Accumulated leave needs to be made on actuarial valuation basis. Further, Accounting Standard-15 (Employee Benefit) also provides that an entity should recognise the future expense in its financial statements based on actuarial valuation. AIIMS, Jodhpur has not made provision for retirement benefit on the basis of actuarial valuation. This comment was also made in the previous SARs, yet the same could not be rectified and the same practice is followed in this year also.	In this regard, it is stated that AIIMS Jodhpur is in correspondence with LIC for actuarial service for this purpose and the same shall be implemented as soon as possible.
B.	**Grants-in-aid**	
	During the financial year 2021-22 AIIMS, Jodhpur received Grants-in-aid of ₹ 818.40 crore from the Ministry of Health and Family Welfare (MoHFW), GoI. A balance of unspent grant of ₹ 143.99 crore was available at the beginning of the year. Out of the total available grant of ₹ 962.39 crore, the AIIMS Jodhpur could utilise a sum of ₹ 762.49 crore leaving a balance of ₹ 199.90 crore at the end of the financial year.	Factual position, no comments offered.
C.	**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 and Expenditure Account and Receipts and Payments	No Comments.

	Account dealt with by this report are in agreement 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 AIIMS, Jodhpur as at 31 March 2022, and b In so far as it relates to Income and Expenditure Account of the Surplus for the year ended on that date.	
	Annexure to the SAR on the Accounts of AIIMS, Jodhpur for the year 2021-22	
1.	**Adequacy of Internal Audit System** No internal audit wing is established in the institute. No internal Audit was carried out during the year 2021-22. Internal Audit of the institute was last carried out in the month of September 2015 by the MoHFW. As such, Internal Audit System was inadequate.	The Internal audit for the Institute is conducted by MoHFW since inception. Last audit was conducted by MoHFW for the FY 2014-15.
2.	**Adequacy of Internal Control System** The internal control system was adequate as per the size of AIIMS, Jodhpur. However, AIIMS, Jodhpur does not have its own separate accounting manual. Rules and regulations as prescribed by GoI were being followed	No Comments.
3.	**Physical Verification of fixed assets:** Physical Verification of fixed assets was conducted for the year 2021-22	No Comments.
4.	**Physical Verification of Inventory :** Physical verification of inventory was conducted for the year 2021-22.	No Comments.
5.	**Regularity in Payment of statutory dues** Statutory dues were being deposited by the institute on regular basis.	No Comments.



AIIMS in News

कार्यशाला • एम्स में संभाग के डॉक्टरों को कोविड से बचाव संबंधी ट्रेनिंग दी



जोधपुर | एम्स में संभाग के डॉक्टरों की ट्रेनिंग ऑफ केपिसिटी इनहेंसमेंट ऑफ हेल्थ ह्यूमन रिसोर्स फॉर इफैक्टिव मैनेजमेंट वर्कशॉप शनिवार को संपन्न हुई। कोविड की तीसरी लहर से बचने के लिए हुई ट्रेनिंग में जोधपुर संभाग से करीब 33 डॉक्टरों ने भाग लिया। कार्यशाला में तीसरी लहर के दौरान डॉक्टरों को आईसीयू केयर, आईसीयू सेटअप, सीपीआर ट्रेनिंग, पोस्ट कोविड मरीजों की दिक्कत, ऑक्सीजन के उपयोग एवं वेंटिलेटर की उपयोगिता आदि के बारे में डॉक्टरों को ट्रेनिंग दी गई। कार्यशाला का उद्घाटन एम्स डायरेक्टर डॉ. संजीव मिश्रा ने किया। वर्कशॉप में चिकित्सा मंत्री ने भी ऑनलाइन भाग लिया।

पेट में जहां कैंसर की गांठ, वहीं दी कीमोथैरेपी, दो मरीज लाभान्वित

हाइपरथर्मिक इन्ट्रापेरिटोनेल कीमोथैरेपी तकनीक से किया पेट के कैंसर का इलाज एम्स जोधपुर



इस तकनीक को अपना कर किया इलाज।

जोधपुर @ पत्रिका. एम्स में अत्याधुनिक एचआइपीइसी (हाइपरथर्मिक इन्ट्रापेरिटोनेल कीमोथैरेपी) तकनीक से पेट में फैले कैंसर का इलाज किया गया। सर्जिकल ऑकोलॉजी विभाग में एचआइपीइसी मशीन से पेट में फैले हुए कैंसर के दो मरीजों का सफलतापूर्वक इलाज किया गया। इस तकनीक में जहां पेट में कैंसर की गांठ थी, वहीं चिकित्सकों ने कीमोथैरेपी दी। सर्जिकल ऑकोलॉजी विभाग में सह आचार्य डॉ जीवनराम बिश्नोई ने बताया कि 42 वर्षीय महिला के अंडाशय (ओवरी) का कैंसर बड़ी आंत, बच्चेदानी, पेशाब की थैली, ओमेंटम, पेरिटोनियम से चिपका हुआ था। जिसमें कैंसर प्रभावित दोनों अंडाशय, यूटरस, पूरी बड़ी आंत, अपेंडिक्स, ओमेंटम, पेशाब की थैली का हिस्सा, पूरी पेरिटोनियम की परत इत्यादि को निकाला गया। इस प्रकार के ऑपरेशन को साइटोरेडक्टिव सर्जरी कहा जाता है। सिस्प्लाटिन नामक कीमोथैरेपी की दवा को एचआइपीइसी मशीन के द्वारा 42 डिग्री तापमान पर लगातार गर्म करते हुए 90 मिनट तक पूरे पेट में ओपन तकनीक से प्रवाहित किया गया। इस पूरे क्रम में करीब 10 घंटे का समय लगा। इस ऑपरेशन के लिए एम्स निदेशक व सर्जिकल ऑन्कोलॉजी प्रोफेसर, डॉ संजीव मिश्रा तथा इसी विभाग के सह आचार्य डॉ जीवन राम बिश्नोई ने पूरी प्लानिंग की। इस ऑपरेशन में डॉ बिश्नोई के साथ में डॉ निवेदिता शर्मा, डॉ धर्माराम पुनिया, डॉ राहुल यादव, डॉ राजेंद्र, डॉ मोहित, डॉ अरविन्द, डॉ नेहा (रेजिडेंट), इन्हा खरनीयोर, धर्मवीर, तीजो चौधरी, रमेश (नर्सिंग ऑफिसर) शामिल थे। एनस्थेसिया टीम में डॉ. प्रदीप भाटिया के नेतृत्व में डॉ प्रियंका सेठी, डॉ दीपक, डॉ बालाकृष्ण, डॉ पूजा ने सहयोग किया।

रक्त को अन्य अंगों में जाने से बचाती है यह तकनीक

पेट में फैले हुए ओवेरियन, अपेंडिक्स व बड़ी आंत के कैंसर के लिए ये तकनीक बहुत कारगर है। सामान्यत: ये कैंसर पेट में आसपास के अन्य अंगों में व पेट के अंदर की झिल्ली में फैल जाता है। कैंसर रक्त से अन्य अंगों में जाने की संभावना कम रहती है। इसलिए इस प्रकार के एडवांस्ड कैंसर को साइटोरेडक्टिव सर्जरी करके पूर्णतया निकालना जरुरी होता है। एचआइपीइसी मशीन से कीमोथैरेपी की दवा को 42 डिग्री तापमान पर गर्म करके लगातार पेट में दो घंटे प्रवाहित किया जाता है। पेट में कैंसर के सूक्ष्मकण पर 42 डिग्री का तापमान व कीमोथैरेपी की दवा दोनों ही प्रभावशाली साबित होते हैं। कीमोथैरेपी की दवाइयां भी खून की नसों के बजाय सीधी पेट में देने का फायदा ये होता है कि पूरे शरीर में इसके साइड इफेक्ट्स नहीं होते है। जहां पेट में ही सर्वाधिक मात्रा की आवश्यकता होती है वहीं इसको सीधी दी जा सकती है।

एम्स: कार्यशाला में ब्रेनडेड से अंग पुनर्प्राप्त करने की तकनीक सिखाई

हेल्थ रिपोर्टर, जोधपुर| एम्स में शनिवार को ब्रेन-डेड रोगियों में अंग पुनर्प्राप्ति के लिए विभिन्न तकनीकों को सीखने और अंगदान को प्रोत्साहित करने के लिए कार्यशाला का आयोजन हुआ। 300 से अधिक सर्जनों ने मल्टी ऑर्गन रिट्रीवल तकनीकों पर चर्चा की। एम्स, नई दिल्ली के डॉ. मिलिंद होते, एम्स जोधपुर के डॉ. आलोक शर्मा ने हार्ट और लंग रिट्रीवल का प्रदर्शन किया। डॉ. शालीन अग्रवाल और डॉ. वैभव वाष्णेय ने लिवर रिट्रीवल का प्रदर्शन किया। तथा एम्स जोधपुर के डॉ. एके संधू और डॉ. गौतमराम चौधरी ने किडनी रिट्रीवल का प्रदर्शन किया।

आत्महत्या रोकने को एम्स चलाएगा जागरूकता अभियान



अखिल भारतीय आयुर्विज्ञान केंद्र एम्स के मनोचिकित्सा विभाग

नवज्योति/जोधपुर। अखिल भारतीय आयुर्विज्ञान केंद्र एम्स के मनोचिकित्सा विभाग की ओर से आत्महत्या रोकने के लिए जागरूकता अभियान चलाया जाएगा। एम्स के मनोचिकित्सा विभाग के डॉ. नरेश नेभानानी ने बताया, देश में प्रतिवर्ष लाखों की संख्या में लोग अवसाद में आकर आत्महत्या कर लेते हैं। ऐसे में उन्हें समय रहते मोटिवेट किया जाए तो आत्महत्या करने से रोका जा सकता है। इसीको ध्यान में रखते हुये एम्स ने जागरूकता अभियान शुरू करने का निर्णय लिया है। डॉ. नेभानानी ने बताया, कई बार कुछ कारणों से पुरुष या स्त्री अवसाद में चले जाते है और मौत ही अंतिम विकल्प के रूप में चुनते है। यदि उनके साथ काउंसलिंग की जाए और उनकी समस्या का समाधान हो जाए तो आत्महत्या करने से रोका जा सकता है। उन्होंने बताया, इसके लिये एम्स की ओर से विभिन्न आयोजन किए जाएंगे। जिसमे आमजन को बताएंगे कि कोई आत्महत्या किस कारण करता है। अवसाद में रहने वाला व्यक्ति हमेशा मरने की बात करेगा और उसके व्यवहार में परिवर्तन आ जाएगा। इसके तहत व आत्महत्या का प्रयास, अकेलापन का भाव, चिड़चिड़ापन, अपना काम समेटना, शराब या नशे का सेवन करने जैसे लक्षण होंगे।

ऐसे करें अवसाद वाले व्यक्ति की मदद

- ऐसे व्यक्ति को अकेला नहीं छोड़े, उनकी बातों को ध्यान पूर्वक सुने, ऐसे व्यक्ति को उपदेश नहीं देवे और डांटे भी नहीं।
- घर मे खतरनाक वस्तुएं जिनमे कीटनाशक, दवा, ज्वलनशील पदार्थ को व्यक्ति की पहुंच से दूर रखें।
- संभव हो तो ऐसे व्यक्ति को मनोचिकित्सक के पास अवश्य ले जाए।

एम्स ने जारी किए हेल्प लाइन

एम्स द्वारा आत्महत्या रोकने के लिये जागरूकता अभियान के साथ अवसाद वाले व्यक्तिओं की काउंसलिंग के लिये हेल्पलाइन नम्बर जारी किये है। जिसमे कोई भी 18005990019 पर कॉल कर काउंसलिंग करवा सकता है।

कोविड पेंशेंट के उपचार में आईसीयू की भूमिका महत्वपूर्ण

एम्स में कोविड क्रिटिकल केयर पर दिया प्रशिक्षण



नवज्योति/जोधपुर। कोरोना के बढ़ते केस को देखते हुये चिकित्सा संस्थानों ने आने वाले दिनों में कोविड रोगियों के उपचार को लेकर तैयारी शुरू कर दी है। अखिल भारतीय आयुर्विज्ञान केंद्र एम्स की ओर से दो दिवसीय क्रिटिकल केयर मैनेजमेंट फार कोविड के लिये दो दिवसीय प्रशिक्षण कार्यक्रम का आयोजन।

जिसमे संभाग के चिकित्सकों को कोविड मरीजों का उपचार किस प्रकार करे, कोविड के किन मरीजों को आईसीयू में शिफ्ट करे इस पर प्रशिक्षण दिया गया। इस दौरान हैंडस आन का आयोजन किया गया। एम्स के डीन एकेडमिक डा. कुलदीप सिंह ने बताया कि जोधपुर के डा. जावेद ने ट्रेनिंग के बारे में जानकारी दी, एम्स के निदेशक डा संजीव मिश्रा ने ट्रेनिंग कार्यक्रम का शुभारंभ किया।

कम्यूनिटी मेडिसिन के डा पंकज भारद्वाज ने वर्तमान में केविड का स्टेज व चैलेंज पर लेक्चर दिया। एम्स के अधीक्षक डा. एम के गर्ग ने कोविड वार रूम किस प्रकार तैयार करे इस पर लेक्चर दिया। एम्स के एडिशनल एनिस्थिसिया के प्रो. डा. निखिल कोठारी ने कोविड मरीजों के लिये आईसीयू या वार्ड में किस प्रकार की व्यवस्था की जाए इस पर व्याख्यान दिया। डा अखिल गोयल ने बायोमेडिकल पर लेक्चर दिया। डा भरत पालीवाल ने हैंडसआन आन एयरवे पर लेक्चर दिया। डा शिल्पा गोयल ने कोविड रोगियों और उनके रिश्तेदारों को किस प्रकार हैंडल करे इस पर लेक्चर दिया।

डा नवीन दत्त ने पोस्ट कोविड पाल्मूमेनरी कामप्लीकेशन मैनेजमेंट पर लेक्चर दिया। डा अंकुर शर्मा ने बेसिक लाइफ स्पोर्ट सीपीआर पर लेक्चर दिया। इसी प्रकार डा गोपाल बोहरा, डा तनुज कंचन, डा सदीक मोहम्मद, डा तनवी मेसराम, डा रविगौड़, डा नितेश गोनाडे, डा नरेश नेभनानी, ने अपने लेक्चर दिये।

एम्स: स्वीडन इंडिया सेंटर को हेल्थ इनिशिएटिव अवार्ड

हेल्थ रिपोर्टर, जोधपुर| अखिल भारतीय आयुर्विज्ञान संस्थान (एम्स) को शुक्रवार को दिल्ली में आयोजित सातवीं इंटिग्रेटेड हेल्थ एंड वैलनेस (आईएचडब्ल्यू) समिट में बेस्ट पब्लिक हेल्थ इनिशिएटिव कैटेगरी में पहला अवार्ड मिला है। एम्स के एकेडमिक डीन डॉ. कुलदीप सिंह ने बताया कि एम्स ने अपने इंडिया स्वीडन इनोवेशन सेंटर के अधीन हेल्थ पर फोकस करते हुए नर्सिंग स्किलिंग कोर्स फॉर कम्यु... शुरू किया है।

एम्स के डॉ. बिनीत को डॉ. अशोक मुखर्जी पुरस्कार

पोस्टेट कैंसर में शोध के लिए मिला पुरस्कार

हेल्थ रिपोर्टर, जोधपुर | एम्स जोधपुर में डायग्नोस्टिक और इंटरवेंशनल रेडियोलॉजी विभाग के एसोसिएट प्रोफेसर डॉ. बिनीत सुरेका को बैंगलुरु में इंडियन रेडियोलॉजिकल एंड इमेजिंग एसोसिएशन के 74वें वार्षिक सम्मेलन में प्रोस्टेट कैंसर में शोध के लिए 2021 के प्रतिष्ठित डॉ. असोक मुखर्जी पुरस्कार से सम्मानित किया गया। यह पुरस्कार सर्वश्रेष्ठ शोध प्रस्तुति के लिए वार्षिक राष्ट्रीय सम्मेलन में दिया जाता है। इसमें देश से शोध के तीन शोध का चयन किया जाता है। डॉ. सुरेका का काम ब्रिटिश जर्नल ऑफ रेडियोलॉजी में प्रकाशित हुआ। इस शोध में अन्य सह-शोधकर्ता डॉ. गौतम चौधरी, डॉ. हिमांशु पांडे,



डॉ. पुनीत खेरा, डॉ. पवन गर्ग और डॉ. पुनम एलहेंस

थे। पीजीआयुमरी कार्सिनोमा की उत्पत्ति और उप प्रकार की भविष्यवाणी करने में उनके काम के लिए उन्हें दीनानाथ अग्रवाल मेमोरियल ओरेशन-202... सम्मानित किया गया।

वर्ल्ड हियरिंग डे: एम्स में बच्चों ने चित्र उकेरकर ध्वनि प्रदूषण से होने वाली हानियों के जानकारी दी



एम्स में आयोजित समारोह में अव्वल रहे प्रतियोगी बच्चों को पुरस्कृत किया गया।

जोधपुर | वर्ल्ड हियरिंग डे पर जोधपुर एम्स के ईएनटी विभाग की ओर से गुरुवार को शहर के विभिन्न विद्यालयों में पोस्टर, कोलाज मेकिंग व स्लोगन लेखन प्रतियोगिताएं आयोजित की। इसमें डब्ल्यूएचओ के दिए गए विषय 'टू हियर फॉर लाइफ, लिसन विथ केयर' पर 100 से अधिक विद्यार्थियों ने बढ़ते ध्वनि प्रदूषण और निजी श्रवण उपकरणों के इस्तेमाल से होने वाली हानियों की जानकारी दी गई। इसमें डीपीएस स्कूल में स्लोगन लेखन अंग्रेजी में शांभवी भारद्वाज प्रथम, वंशिका वैष्णव द्वितीय और चिन्मय सिंघल तृतीय स्थान पर रहे। इसी तरह शांति निकेतन स्कूल में स्लोगन लेखन अंग्रेजी में मौलिसा झानवी प्रथम, कार्तिक द्वितीय, कृतिका शर्मा तृतीय स्थान पर रहे। इ सभी विजेताओं को अखिल भारतीय आयुर्विज्ञान संस्थान जोधपुर में आयोजित समारोह में पुरस्कृत भी किया गया। इसी कड़ी में जोधपुर एम्स के ईएनटी की ओर से ओपीडी में एक नुक्कड़ नाटक का आयोजन भी किया गया जिसमें ट्रैफिक के बढ़ते शोर, निजी श्रवण उपकरणों के अनुचित उपयोग व समारोह में बजते तेज संगीत से दूर रहने की सलाह दी गई।

श्रवण दोष संबंधी जानकारी दी



रुद्राक्ष एजुकेशनल एंड वेलफेयर सोसायटी की ओर से वर्ल्ड हियरिंग-डे पर कार्यशाला आयोजित की गई। इसका उद्देश्य सुरक्षित श्रवण द्वारा श्रवण ह्रास की रोकथाम करना था। इस अवसर पर लक्ष्मी प्रजापत ने श्रवण दोष से संबंधित विभिन्न जानकारियां साझा की। उन्होंने बताया कि मानव जीवन के महत्वपूर्ण संवेदी अंगों में से कान एक अति महत्वपूर्ण अंग है जो हमें बाहरी दुनिया से जुड़ने में मदद करता है। यह बाकी दुनिया से संपर्क करने का एक माध्यम है जिसके द्वारा हम विभिन्न गतिविधियों को सुन कर दुनिया से संपर्क कर सकते हैं तथा समझ सकते हैं। डॉ. हिमांशु स्वादिया ने आभार व्यक्त किया।

दैनिक भास्कर

आदिवासियों के स्वास्थ्य सुधार के लिए एम्स, जनजातीय क्षेत्र विकास विभाग व आदिम जाति शोध संस्थान में एमओयू

हेल्थ रिपोर्टर | जोधपुर



एमओयू पर साइन कर दस्तावेज सौंपते अधिकारी।

एम्स और जनजातीय क्षेत्र विकास विभाग राजस्थान सरकार व माणिक्यलाल वर्मा आदिम जाति शोध एवं प्रशिक्षण संस्थान उदयपुर के बीच जनजातीय भवन आबूरोड में सेटेलाइट सेंटर फॉर ट्राइबल हेल्थ एंड रिसर्च सेंटर स्थापित करने के उद्देश्य से गुरुवार को एमओयू हुआ। इस दौरान संयुक्त सचिव जनजातीय कार्य मंत्रालय केंद्र सरकार के डॉ. नवलजीत कपूर, एम्स डायरेक्टर डॉ. संजीव मिश्रा, जनजातीय क्षेत्रीय विकास विभाग राजस्थान सरकार के एडिशनल कमिश्नर वीसी गर्ग, माणिक्यलाल वर्मा आदिम जाति शोध एवं प्रशिक्षण संस्थान उदयपुर के निदेशक गोविंद सिंह राणावत, एम्स के डिप्टी डायरेक्टर एनआर विश्नोई, एम्स के डीन डॉ. कुलदीप सिंह समेत एम्स की कई फैकल्टी मौजूद थी। दरअसल राजस्थान के जनजातीय क्षेत्रीय विकास विभाग की कमिश्नर प्रज्ञा केवलरमानी के मार्गदर्शन में यह प्रोजेक्ट चल रहा है। सेटेलाइट सेंटर फॉर ट्राइबल हेल्थ एंड रिसर्च (एसटीएचआर), जनजातीय लोगों के स्वास्थ्य और स्वास्थ्य संबंधी अनुसंधान की दिशा में काम करेगा। इस सेंटर का लक्ष्य मौजूदा स्वास्थ्य सेवाओं को मजबूत करना और जनजातीय लोगों की बीमारी की रोकथाम के लिए कार्य करना है। एम्स यहां बीमारी के उपचार की तुलना में उससे बचाव के तरीके पर अधिक ध्यान केंद्रित करेगा।

रोगी के रिकॉर्ड को एम्स जोधपुर के अस्पताल सूचना प्रणाली (एचआईएस) पर एक समर्पित जनजातीय सिरोही पोर्टल से जोड़ा जाएगा। आने वाले समय में यह केंद्र जनजातीय स्वास्थ्य एवं अनुसंधान का एक जनोपयोगी केंद्र होगा। जनजातीय लोगों में स्किल सेल एनीमिया, तपेदिक, सिलिकोसिस जैसी विशेष समस्याओं के लिए दीर्घकालिक अनुसंधान की आवश्यकता है।

एम्स में एक ही दिन में 5 बच्चों के दिल में छेद को बंद किया

हेल्थ रिपोर्टर, जोधपुर| एम्स कार्डियोलॉजी विभाग ने गुरुवार को 6-15 वर्ष की आयु के 5 बच्चों के दिल में छेद को बंद किया गया। इन बच्चों के एंट्रियल सेप्टल डिफेक्ट हिमांशु कालेजर लगातार इसकी एकेडमी डीन डॉ. कुलदीप सिंह ने बताया कि दिल में छेद को एंट्रियल सेप्टल दोष के रूप में जाना जाता है। यह एक सामान्य हृदय दोष है जो दिल (सेप्टम) में होता है जो दिल के ऊपरी कक्षों, यानि और बाएं अटरिया को अलग करता है। इससे खून दिल के बाएं से दाएं ओर में जाता है। सहायक प्रोफेसर (कार्डियोलॉजी) डॉ. आशुल कोशिक ने बताया कि इन दोषों को एक उपकरण का उपयोग करके बंद किया गया है। इसका प्रत्यारोपण यह रहा कि बच्चों की ऑपन हार्ट सर्जरी नहीं करनी पड़ी। एक कुत्ते ने पहले दूसरे केंद्र में ऑपन हार्ट सर्जरी करवाई थी, लेकिन गाइड कनक के आगे पतन के कारण प्रक्रिया विफल हो गई। एनेस्थीसिया विभाग और सर्जीकल्स के साथ कार्डियोलॉजी टीम द्वारा प्रक्रिया को अंजाम दिया गया।

छोटी- छोटी बीमारी में एंटीबायोटिक का उपयोग घातक

एएमआर डाटा मैनेजमेंट पर एम्स में कार्यशाला आयोजित

नवज्योति/जोधपुर।

छोटी छोटी बीमारियों में एंटीबायोटिक का उपयोग करना गलत है, इससे रोग प्रतिरोधात्मक क्षमता समाप्त हो जाती है। वहीं जीवाणु एंटीबायोटिक के खिलाफ स्वयं को रेजिस्टेंस कर लेते है। यह जानकारी माइक्रो बायोलॉजी के विशेषज्ञों ने गुरुवार को अखिल भारतीय आयुर्विज्ञान केंद्र एम्स में आयोजित एएमआर डाटा मैनेजर व यूनेट डाटा एनेलेसिस पर आयोजित वर्कशाप में दी। वर्कशॉप का शुभारंभ एम्स के डायरेक्टर डॉ. संजीव मिश्रा ने दीप प्रज्वलित कर किया। डॉ मिश्रा ने कहा, इस प्रकार की वर्कशॉप से माइक्रो बायोलॉजी में क्या नया नवाचार हुआ है इसको जान सकेंगे।



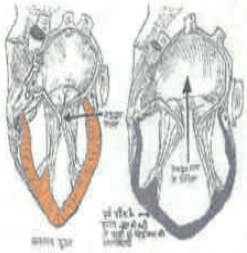
वर्कशॉप में डीन डॉ. कुलदीप सिंह, डॉ. विजय लक्ष्मी नाग, डॉ. पूर्वा माथुर, डॉ. वालन, डॉ. विभोर टाक ने एंटीबायोटिक डाटा मैनेजर पर अपना लेक्चर दिया। डॉ. विभोर टाक ने बताया, डब्ल्यूएचओ द्वारा यूनेट सॉफ्टवेयर दिया गया है जो एंटीबायोटिक डाटा कलेक्शन में सहयोग करता है। जिससे हम तय कर सकते है कि हमें किस बीमारी में कौनसी एंटीबायोटिक देनी है। वर्कशॉप में डॉ. स्नेहा अंबवानी, डॉ. वालन ने कार्यशाला का संचालन किया। डॉ. पूर्वा माथुर एम्स नई दिल्ली व डॉ. रसना परवीन , डॉ. शारद ने तकनीक रूप से डाटा मैनेजर पर लेक्चर दिया। डॉ.पूर्वा माथुर ने बताया, एंटीबायोटिक प्रतिरोधकता एक गंभीर समस्या है। इस समस्या के निराकरण के लिये एंटीबायोटिक प्रतिरोधकता संबंधी डाटा का सही आंकलन करने के लिये डब्ल्यूएचओ की ओर से यूनेट सॉफ्टवेयर दिया गया है। इसके उचित विश्लेषण से रोग प्रतिरोधात्मक को कम किया जा सकता है।

मेडिकल | दो बार आए कार्डियक अरेस्ट, लेकिन सीपीआर देकर बचाई जान

12 दिन तक जिंदगी और मौत का संघर्ष, लेकिन मौत के मुंह से बचा लाए मरीज

एम्स जोधपुर का वर्क डेडिकेशन

65 वर्षीय मरीज का हार्ट अटैक से लीकेज हुआ हृदय वॉल्व, कोरोनरी आर्टरी बाइपास के साथ हार्ट वॉल्व रिप्लेसमेंट सर्जरी की



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जोधपुर. एम्स में दिल का दौरा पड़ने से भर्ती हुए वृद्ध को अनलिमल कॉम्प्लीकेशन के बावजूद डॉक्टरों ने टीम वर्क से जिंदगी दे डाली। एम्स जोधपुर में 65 वर्षीय कुर्ता के हार्ट अटैक से हृदय वॉल्व लीक हो गए। इससे डॉक्टर्स ने कोरोनरी आर्टरी बाइपास के साथ हार्ट वाल्व रिप्लेसमेंट सर्जरी की। इस मरीज के अनगिनत कॉम्प्लिकेशन को 12 दिन तक चिकित्सकों ने हैंडल किया और मरीज की जान बचा ली। कार्डियोथोरेसिक सर्जरी विभाग के एसोसिएट प्रोफेसर डॉ मुदं्र पटेल ने बताया कि 65 वर्ष के वृद्ध रोगी को एंटीर दिल का दौरा पड़ा था एवं उसका एक हृदय वॉल्व पानी माइट्रल वॉल्व भी दिल का दौरा पड़ने से खराब होकर लीकेज करने लग गया था। गत 19 दिसंबर को सीने में दर्द और सांस लेने में कठिनाई की शिकायत के साथ कार्डियोलॉजी विभाग में भर्ती कराया गया। कार्डियोलॉजी विभाग के सहायक प्रोफेसर डॉक्टर अमुल जैसिक और उनकी टीम ने मरीज को इंट्रा ऑर्टिक बैलून पंप पानी आइएबीपी लगाकर मरीज को स्थिर कर एंजियोग्राफी की जांच की गई। हृदय की तीनों प्रमुख धमनियों में रुकावट का पता चला और हृदय भी 35 प्रतिशत ही काम कर रहा था। सीसीयू में मरीज को दो बार कार्डियक अरेस्ट हुआ। सीपीआर देकर मरीज को बचाया गया। कोरोनरी आर्टरी बाईपास सर्जरी के साथ वॉल्व को रिपेयर करना या बदल कर दूसरा वॉल्व लगाने की सर्जरी करना बहुत चुनौतीपूर्ण था। क्योंकि मरीज दिल का दौरा पड़ने एवं वॉल्व में लीकेज होने की वजह से मरीज के फेफड़े खराब हो गए थे। एनेस्थेसी इंटिमा एवं मरीज कार्डियोजेनिक शॉक में था। 30 दिसंबर आपातकालीन सर्जरी की गई। लगभग 8 घंटे चली सर्जरी में मरीज के हृदय की तीनों मुख्य धमनियों की बाईपास सर्जरी की गई एवं हृदय के खराब वॉल्व को बदलकर धातु का वाल्व लगाया गया। ऑपरेशन के बाद मरीज को 4 दिनों तक वेंटिलेटर और अन्य जीवन रक्षक दवाइयों पर गंभीर निगरानी में रखा गया। इंट्रा ऑर्टिक बैलून पंप को कुल 11 दिनों के बाद हटा दिया गया।

उच्च जोखिम वाली सर्जरी हुई : डॉ. शर्मा

कार्डियोथोरेसिक सर्जरी विभाग के एसोसिएट प्रोफेसर डॉ आलोक कुमार शर्मा ने बताया कि यह एक बहुत ही उच्च जोखिम वाली सर्जरी थी।

इस तरह के केस में मृत्यु दर बहुत अधिक होती है। ऑपरेशन में शर्मा, डॉ दानिश मीणा, डॉ मधुसूदन कछी, डॉ अनुपम दास, डॉ प्रमोद और डॉ अनिरुद्ध का सहयोग रहा। कार्डियक एनेस्थीसिया विभाग से डॉ सादीक मोहम्मद, डॉ मनोज कमल, डॉ राकेश, और डॉ रिचा का सहयोग रहा। सहन विकित्सा इकाई में डॉक्टरों की टीम में डॉ प्रदीप भाटिया, डॉ निखिल कोठारी, डॉ भरत पालीवाल और आइसीयू में पोस्ट ऑपरेटिव केयरमान में शामिल सभी जूनियर एवं सीनियर रेजिडेंट, रेजिडेंट डॉक्टर्स, कार्डियक परफ्यूजनिस्ट कमलेश पंवार, देवेंद्र, पूजा, अनिता, पोलिस कार्डियक ओटी नर्सिंग ऑफिसर अजीत,गौमाराम, स्वाति,राजवीर,समराराम, ज्योतसना,नेहा, संजय और कामाराम, ओटी टेक्निशियन मंगीलाल और विजय का भी सहयोग रहा।

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2 | जोधपुर, बृहस्पतिवार, 11 जनवरी 2024 | dainiknavajyoti.com | जोधपुर | दैनिक नवज्योति

एम्स जोधपुर की बड़ी सफलता, दुनिया का संभवतः यह पहला आपरेशन

27 साल के युवा की आहार नली का रोबोट से ऑपरेशन

नो महीने से मरीज मुंह से कुछ भी नहीं खा पा रहा था

जोधपुर/नवज्योति।
एम्स जोधपुर के सर्जिकल गैस्ट्रो एंटरोलॉजी विभाग में 27 साल के युवा की आहार नली की बीमारी का ऑपरेशन पूर्ण रूप से रोबोट के जरिए किया गया। एम्स के डॉक्टरों का मानना है कि रोबोट के जरिये यह संभवतः अब तक का पहला ऑपरेशन है। आहार नली में एसिड के कारण सुकड़न की समस्या की शल्य चिकित्सा पूरी तरह से रोबोट के माध्यम से आहार-नलिका तकनीक द्वारा किया गया। यह जटिल सर्जरी सिर्फ 6 घंटे के भीतर के माध्यम से की गई। एम्स के चिकित्सा अधीक्षक डॉ. एम के गर्ग ने बताया कि गंगानगर निवासी 27 वर्षीय युवक द्वारा 9 महीने पहले तेजाब पीया गया, जिसके कारण उसकी आहार नली में रुकावट आ गई थी। इसके बाद रोगी पिछले 9 महीनों से मुंह से कुछ भी नहीं ले पा रहा था और पेट में केवल एक पाइप के माध्यम से भोजन प्राप्त कर रहा था। पहले इन मामलों में गर्दन, छाती और पेट पर तीन चीरे और गहरे चीरों द्वारा ऑपरेशन करने की आवश्यकता होती थी जो जोखिम भरा है। इन चीरों के कारण रोगी को अपने दैनिक जीवन में परेशानियों का सामना करना पड़ता था।



निःशुल्क इलाज किया जा रहा

एम्स जोधपुर के सर्जिकल गैस्ट्रो विभाग में रह आचार्य पद पर कार्यरत डॉ. विभव वार्ष्णेय ने बताया कि एसिड पीने से आहार नली तथा पेट में रुकावट संबंधित बीमारियों का इलाज अब एम्स जोधपुर में सफलता पूर्वक हो रहा है। इसके साथ एम्स, जोधपुर में विभिन्न सरकारी योजनाओं के तहत मरीजों का इलाज निःशुल्क भी किया जा रहा है।

रोबोट के माध्यम से बनाई योजना

रोग की जटिलता और रोबोटिक सर्जरी में एम्स के सर्जिकल गैस्ट्रोएंटरोलॉजी विभाग के अनुभव की वजह से उसे डॉ. विभव कुमार वार्ष्णेय की देखरेख में भर्ती कराया गया। ऑपरेशन को पूरी तरह से रोबोट के माध्यम से करने की योजना डॉ. विभव वार्ष्णेय, डॉ. रोल्पा कुमार, डॉ. दीपांशु वार्ष्णेय और डॉ. सुभाष सोनी के द्वारा बनाई गई। आहार नली में रुकावट को हटाने तथा उसको वापस पेट से जोड़ने का जटिल ऑपरेशन पूरी तरह से रोबोट के माध्यम से किया गया। सर्जरी डॉ. विभव वार्ष्णेय के द्वारा की गई तथा डॉ रोल्पा कुमार, निश्चेतना विभाग के डॉ. प्रदीप भाटिया, डॉ. कमलेश चौधरी और अभिजित सतोष चुरी, दिलीप मीणा ने सर्जरी में सहयोग किया। ऑपरेशन छाती तथा पेट में लगे 8 मिमी के 4 चीरे द्वारा किया गया। रोबोटिक विधि के कारण ऑपरेशन के दौरान रक्त का स्राव कम हुआ तथा आपरेशन के उपरान्त दर्द का अहसास भी कम रहा। सर्जरी के चार दिन बाद उसे मौखिक आहार शुरू दिया गया तथा छठे दिन मरीज को छुट्टी दे दी गई।

सर्जरी मील का पत्थर साबित होगी

एम्स के निदेशक प्रो.संजीव मिश्रा ने इस जटिल सर्जरी के लिए पूरी सर्जरी टीम की सराहना की और बताया कि यह भारत में रोबोटिक सर्जरी के लिए एक मील का पत्थर साबित होगा। उन्होंने यह भी कहा कि रोबोट के माध्यम से एम्स में सर्जिकल गैस्ट्रो एंटरोलॉजी विभाग में पेट, अन्नप्रणाली, यकृत, आंत की अन्य जटिल सर्जरी भी सफलता पूर्वक की जा चुकी है।

खुशखबर | 7 करोड़ रुपए की लागत से बना दो मंजिला हाउस

एम्स में डॉक्टरों के शोध के लिए तैयार एनिमल हाउस

सी वर्ष शुरू होने की उम्मीद

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जोधपुर. अखिल भारतीय आयुर्विज्ञान संस्थान (एम्स) जोधपुर में 7 करोड़ रुपए की लागत से एनिमल हाउस बनकर तैयार हो गया है। आने वाले समय में एम्स चिकित्सक जानवरों के जरिए इंसानी बीमारियों का शोध करेंगे। इस एनिमल हाउस का एरिया 3040 स्क्वेयर मीटर है, 3 स्टोरी बिल्डिंग बन चुकी है। उम्मीद है



कि इसी वर्ष एनिमल हाउस शुरू हो जाएगा। एम्स में एनिमल एथिकल कमेटी भी बनेगी। इसमें फार्माकॉलोजी, माइक्रोबायोलॉजी, पेथोलॉजी, वेटेनरी चिकित्सक सहित अन्य विभाग के सदस्य शामिल होंगे। यहां एनिमल वेलफेयर बोर्ड आकर निरीक्षण करेगा और उसके बाद एनिमल हाउस खोलने की अनुमति दी जाएगी। एम्स जोधपुर ये सभी औपचारिकताएं जल्द पूरी करेगा। यहां रहने वाले एनिमल को उपचार, पानी, पेड़-पौधे आदि सुविधाएं भी दी जाएंगी। एम्स इनके परमिशन व रेग्यूलेशन की तैयारी जल्द शुरू करने वाला है।

ये डिपार्टमेंट देंगे सेवाएं

यहां द्वितीय मंजिल पर माइक्रोबायोलॉजी विभाग दायरस जनित बीमारियों के लिए रिसर्च करेगा। ग्राउंड व प्रथम मंजिल पर फिजियोलॉजी, फार्माकोलॉजी, बायोकेमेस्ट्री, एनाटॉमी जैसे विभाग रिसर्च करेंगे। संपूर्ण राजस्थान में सबसे आधुनिक स्तर पर का ये पहला एनिमल हाउस होगा।

ये जानवर लाए जाएंगे

यहां चूहे, खरगोश, मेंढक व बिल्ली सहित कई तरह के जानवरों को लाकर उन पर शोध होगा। इस शोध के जरिए एम्स चिकित्सक नई बीमारियों व दवाइयों के शरीर पर नुकसान आदि की गणना करेंगे। इसके अलावा जींस में बदलाव आदि कई विशेषताओं पर शोध होगा।

City भास्कर
जोधपुर, शनिवार, 10 जुलाई 2021 | 7

एम्स के डॉक्टरों ने सेमिनार में दिया सुझाव, पैकेज्ड फूड के फ्रंट साइड पर लगनी चाहिए खतरे की सूचना

संभल जाएं, सिगरेट-कोकीन की तरह है मीठा खाने की लत

जोधपुर. अगर आपको चॉकलेट्स, आइसक्रीम, केचअप जैसे पैकेज्ड फूड्स खाने की आदत है तो सावधान हो जाएं। एम्स के डॉक्टरों का कहना है कि ऐसे अल्ट्रा प्रोसेस्ड फूड प्रोडक्ट को खाने की आदत सिगरेट और कोकीन की लत की तरह है जो जानलेवा भी हो सकती है। एक सेमिनार में जोधपुर एम्स के डॉक्टरों ने देश में बढ़ते डायबिटीक मरीजों की संख्या पर चिंता जताते हुए सुझाव दिया कि इसे रोकने के लिए सरकार को अल्ट्रा प्रोसेस्ड फूड और ड्रिंक्स के पैकेट पर सामने की ओर इसकी सूचना देनी चाहिए ताकि लोग जान सकें कि यह कितना खतरनाक हो सकता है जैसा सिगरेट के पैकेट पर दिया जा रहा है।

डॉक्टरों ने कोविड 19 की दूसरी लहर को देखते हुए चिंता जताई कि डायबिटीक रोगियों की संख्या को नियंत्रित नहीं किया गया तो यह कोविड 19 से ज्यादा जानलेवा हो सकता है। एम्स जोधपुर की ओर से भारत में पैकेज लेबलिंग से मधुमेह मेलिटस को संबंधित करना' विषय पर ऑनलाइन नेशनल सेमिनार में एम्स जोधपुर में चरिष्ठ आहार विशेषज्ञ डॉ रीना मलोत्रा, सामुदायिक और परिवार चिकित्सा विभाग के अतिरिक्त प्रोफेसर डॉ पंकज भारद्वाज भी शामिल थे।

एम्स जोधपुर के डायरेक्टर डॉ. संजीव मिश्रा ने बताया, 1990 के बाद से प्रोसेस्ड फूड की खपत में हो रही बढ़ोतरी की वजह से भारत में लगातार डायबिटीज के मरीज बढ़ रहे हैं। इंटरनेशनल डायबिटीज फेडरेशन के अनुसार भारत अभी 7.70 करोड़ से अधिक डायबिटिक मरीजों के साथ दुनिया में दूसरे नंबर है और यह संख्या अगले 25 साल में दुगनी यानि 13.40 करोड़ तक पहुंच जाएगी। इसे रोकने के लिए सिस्टमेटिक एप्रोच के साथ कड़े कदम उठाने जरूरी हैं। अल्ट्रा-प्रोसेस्ड फूड इंडस्ट्री की बात करें तो शुगर बेवरीज में दुनिया के टॉप पांच बाजारों में भारत दूसरे नंबर पर है।

जोधपुर एम्स में एंडोक्रिनोलॉजी और मेटाबॉलिज्म विभाग के अतिरिक्त प्रोफेसर डॉ. मधुकर मिरल ने बताया, "चीनी नहीं सिगरेट है। लैब रिसर्च से यह पता चला है कि चीनी कोकीन की तरह ही नशे की लत है। यह इंसुलिन प्रोडक्शन बढ़ाती है जिससे पेट इकट्ठा होता है जो शरीर की सभी अंग प्रणालियों को नुकसान पहुंचाता है। उन्होंने बताया कि डिब्बाबंद और प्रोसेस्ड फूड में अतिरिक्त चीनी की खपत भारत में अन्य बाजारों की तुलना में दुगुनी गति से बढ़ी है। नियंत्रण नहीं होने से ज्यादातर पैकेट फूड और ड्रिंक्स में तय मात्रा से ज्यादा चीनी होती है। एम्स ऑफिसर के एसोसिएट प्रोफेसर डॉ. प्रदीप अग्रवाल का कहना था कि डब्ल्यूएचओ ने चीनी, नमक और फेट की खपत के लिए कट-ऑफ तय किया है। कई देश स्वाइस बेस्ड न्यूट्रीशन तत्व प्रोफाइल मॉडल अपनाते हुए फूड प्रोडक्ट पर सामने की ओर चेतावनी लेबल (एफओपीएल) अनिवार्य कर रहे हैं। दुनिया के 11 देशों ने एफओपीएल को अनिवार्य बनाने वाले कानून बनाए हैं लेकिन भारत में अभी इसे अनिवार्य नहीं किया गया है।



नुकसान पता होने के बावजूद खाने को ललचाते हैं पिज्जा, आइसक्रीम जैसे अल्ट्रा प्रोसेस्ड फूड

यूनिवर्सिटी ऑफ मिशिगन में साइकोलॉजिकल विभाग की एसोसिएट प्रोफेसर एशले गिवर हार्ट और उनकी टीम ने 500 से ज्यादा लोगों पर स्टडी की। उन्होंने पाया कि कुछ फूड स्वभाव तेज भूख जगाते हैं और इनसे नुकसान का पता होने के बावजूद खाने को ललचाते हैं। ऐसे फूड में सबसे ऊपर पिज्जा, चॉकलेट, आइसक्रीम, चिप्स, फ्रेंच फ्राइज और चीज बर्गर हैं। इनमें ऐसे तत्व भी होते हैं, जो दिमाग को प्रभावित करके कंट्रोल करते हैं। नमक, सिंथेटिक्स, आर्टिफिशियल फ्लेवर चरित्र इनमें हानिकारक तत्वों को नजरअंदाज करने के लिए वैसे ही उकसाते हैं, जैसे सिगरेट में मौजूद मेंथॉल स्मोक करने के लिए इच्छा जगाता है। उन्होंने पाया कि हाईली प्रोसेस्ड फूड से मुक्ति पाने की कोशिश करने वालों में चिड़चिड़ापन, थकान, उदासी, सुस्ती जैसे लक्षण नजर आए जैसे ड्रग्स से मुक्ति पाने वालों में होते हैं।

अल्ट्रा प्रोसेस्ड फूड
यानि किसी खाद्य पदार्थ को उसके वास्तविक रूप की बजाय किसी दूसरे रूप में लेने से है। इस प्रक्रिया में तमाम रसायनों का प्रयोग होने से उसकी गुणवत्ता खराब हो जाती है। इसलिए इसे खाने से लोगों को मोटापा जैसी बीमारियां घेर लेती हैं।

यूं बढ़ रही प्रति व्यक्ति शुगर की खपत

	2005 में	2019 में	2024 में
अल्ट्रा-प्रोसेस्ड फूड प्रोडक्ट	2 किग्रा	6 किग्रा	8 किग्रा
अल्ट्रा-प्रोसेस्ड ड्रिंक्स	2 लीटर	6.5 लीटर	10 लीटर

अल्ट्रा प्रोसेस्ड फूड ज्यादा लेने पर
26 प्रतिशत तक बढ़ सकता है मृत्यु का जोखिम
58% तक खतरा बढ़ सकता है हार्ट पेशेंट्स में
(इतनी के मेडिटेरेनियन न्यूट्रीशनिस्ट इंटरेस्ट के रिसर्चर्स के अनुसार)

11 देशों में फूड प्रोडक्ट पर सामने की ओर चेतावनी लेबल लगाना है जरूरी

एम्स में एक और उपलब्धि • पेट दर्द व मल में खून की समस्या से 2 साल से पीड़ित मरीज को दी राहत

रोबोट की मदद से 8 घंटे सर्जरी की, युवक की खराब बड़ी आंत निकाली, छोटी आंत को पाउच बना मलद्वार से जोड़ा

हेल्थ रिपोर्टर | जोधपुर

एम्स सर्जिकल गेस्ट्रोएंट्रोलॉजी विभाग में 31 वर्षीय युवक का आठ घंटे ऑपरेशन कर खराब बड़ी आंत निकालकर छोटी आंत को पाउच बनाकर मलद्वार से जोड़ा। ऑपरेशन रोबोट की मदद से किया गया। डॉक्टरों का दावा है कि एम्स में बड़ी आंत की बीमारी का रोबोटिक विधि से प्रदेश में यह पहला ऑपरेशन है।

सर्जिकल गेस्ट्रोएंट्रोलॉजी विभाग के डॉ. वैभव वार्ष्णेय ने बताया कि मरीज को पेट में दर्द, दस्त और मल में खून की समस्या थी। इस बीमारी को अल्सरेटिव कोलाइटिस कहते हैं। मरीज बीमारी से करीब दो साल से पीड़ित था। बीमारी के चलते बड़ी आंत की आंतरिक सतह में सूजन और घाव हो रहे थे। मरीज ने दूसरे अस्पताल में इलाज करवाया, सुधार नहीं होने पर एम्स आया था। जांच के बाद प्रोक्टो कोलेक्टॉमी सर्जरी रोबोट तकनीक से करना प्लान किया। ऑपरेशन में आठ एमएम के चार छोटे छेद कर खराब हो चुकी बड़ी आंत निकालकर छोटी आंत को पाउच बनाकर मल द्वार से जोड़ दिया।

एम्स डायरेक्टर डॉ. संजीव मिश्रा व अधीक्षक डॉ. [illegible] ने ऑपरेशन करने वाली टीम को



सर्जरी में पूरी बड़ी आंत निकाली, छोटी आंत को पाउच बना मलद्वार के साथ जोड़ बीमारी दूर की।

बधाई दी और बताया कि रोबोटिक विधि से सर्जरी के कारण मरीज की कम समय में अच्छी रिकवरी होती है।

इन्होंने किया ऑपरेशन

सर्जरी में सर्जिकल गेस्ट्रोएंट्रोलॉजी से डॉ. वार्ष्णेय के साथ डॉ. सुभाष सोनी, डॉ. सेल्वा कुमार, डॉ. पीयूष वार्ष्णेय, डॉ. आशीष स्वामी और डॉ. विग्नेश और एनेस्थीसिया विभाग से डॉ. प्रदीप भाटिया, डॉ. तन्वी

अस्पताल में कम स्टे और ऑपरेशन के दौरान ब्लड लॉस ना के बराबर

डॉ. वार्ष्णेय ने बताया कि सामान्य ऑपरेशन के दौरान दो से तीन बार सर्जरी करनी पड़ती है। ऑपरेशन में पेट में लंबे चीरे के माध्यम से सर्जरी की जाती है। रोगी को दर्द के साथ-साथ पेट में चीरे की वजह से लंबे समय तक अस्पताल में भर्ती रहना पड़ता है। वहीं यह ऑपरेशन चुनौतीपूर्ण होता है, क्योंकि ऑपरेशन के दौरान अधिक रक्तस्राव और बड़े चीरे के कारण इन्फेक्शन होने की संभावना भी रहती है। जबकि रोबोटिक विधि से ऑपरेशन सुरक्षित रूप से छोटे चीरों से संभव हो जाता है और रक्त की हानि भी ना के बराबर होती है। ऑपरेशन के बाद मरीज के स्वास्थ्य में जल्दी सुधार आया और

एम्स का दावा, दुनिया की पहली ऐसी सर्जरी • मरीज चौथे दिन खाना खाने लगा और छठे दिन डिस्चार्ज

एसिड पीने से सिकुड़ी थी युवक की आहार नली, थूक भी निगल नहीं पाता, 8MM के 8 छेद कर 7 घंटे में की सफल रोबोटिक सर्जरी

हेल्थ रिपोर्टर | जोधपुर

अखिल भारतीय आयुर्विज्ञान संस्थान (एम्स) सर्जिकल गेस्ट्रोएंट्रोलॉजी विभाग में 27 वर्षीय युवक को आहार नली आधी से ज्यादा खराब होने पर रोबोट की मदद से सफल ऑपरेशन कर छठे दिन ही छुट्टी दे दी। एम्स के डॉक्टरों का दावा है कि इस प्रकार का [illegible]रेशन दुनिया भर में पहला एम्स जोधपुर में ही हुआ है। दरअसल, गंगानगर निवासी 27 वर्षीय युवक ने 9 माह पूर्व तेजाब पी लिया था। एसिड के कारण धीरे-धीरे खाने की नली सिकुड़ गई तो वह कुछ खा-पी नहीं रहा था। पेट में केवल एक पाइप के माध्यम से भोजन प्राप्त कर रहा था। सर्जिकल गेस्ट्रोएंट्रोलॉजी विभाग के डॉ. वैभव वार्ष्णेय ने बताया कि मरीज अगस्त में एम्स ओपीडी में जांच के लिए आया। उसकी शिकायत थी कि वह कुछ खाना-पीना तो दूर, थूक तक नहीं निगल पा रहा। इस वजह से मरीज का वजन बहुत कम होता जा रहा था। एंडोस्कॉपी कर ग्रेस्टोग्राफिन स्टडी जांच की गई। इसमें सामने आया कि मरीज की खाने की नली सिकुड़ गई है। मरीज को पहले कुछ दिन न्यूट्रिशन की दवाएं आदि देकर तैयार किया और परिजनों को ऑपरेशन की जटिलता बताई। परिजनों की सहमति के बाद युवक का ऑपरेशन रोबोट से करना तय किया गया। आइवर-लुईस तकनीक से हुए ऑपरेशन के बाद मरीज बिल्कुल स्वस्थ है। ऑपरेशन के चौथे दिन से अपने आप खाना खाने लगा। छठे दिन सकुशल हॉस्पिटल से डिस्चार्ज किया गया। मरीज का ऑपरेशन निशुल्क हुआ। एम्स के निदेशक प्रोफेसर डॉ. संजीव मिश्रा ने जटिल सर्जरी के लिए पूरी सर्जरी टीम की सराहना करते हुए कहा कि यह भारत में रोबोटिक सर्जरी के लिए एक मील का पत्थर साबित होगा। उन्होंने यह भी [illegible]रोबोट के माध्यम से एम्स में सर्जिकल गेस्ट्रोएंट्रोलॉजी विभाग में पेट, अग्न्याशय, यकृत, आंत की अन्य जटिल सर्जरी भी सफलतापूर्वक की जा चुकी हैं।



आहार नली का डेमेज काला हिस्सा ऑपरेशन के बाद सही किया गया। हरे रंग में खुली आहार नली।



ग्रेस्ट्रोएंट्रोलॉजी विभाग में ऑपरेशन करते रोबोट।

रोबोटिक ऑपरेशन के यह रहे फायदे

डॉ. वार्ष्णेय ने बताया कि रोबोटिक सर्जरी करने से कई फायदे हुए। मरीज का स्टे हॉस्पिटल में कम हुआ। साथ ही पेट के भीतर अंदर तक जहां आहार नली को जोड़ना ओपन सर्जरी में मुश्किल होता है, वह आसानी से हो सका। मरीज का ब्लड लॉस कम हुआ। साथ ही मरीज जल्दी घर जा पाया।

आइवर लुईस तकनीक से हुई सर्जरी

यह ऑपरेशन आइवर लुईस तकनीक के माध्यम से किया। पेट पर 8-8 एमएम के चार छेद कर पहले पेट से आहार नली को हटाकर पेट को ट्यूब बनाकर छाती के बीचों बीच फिर 8-8 एमएम के चार छेद कर गले से नीचे की ओर आ रही आहारनली में जोड़ दिया। ऑपरेशन करीब 7 घंटे चला। इससे मरीज के ऑपरेशन के बाद होने वाले निशान भी नहीं हुए। एम्स अधीक्षक डॉ. एमके गर्ग ने बताया कि पहले इन मामलों में गर्दन, छाती और पेट पर तीन लंबे और गहरे चीरों से ऑपरेशन करने की आवश्यकता होती थी। जिसके बाद जीवन भर वह निशान रहता था। इन लंबे चीरों के कारण रोगी को अपने दैनिक जीवन में परेशानियों का सामना करना पड़ता था।

इन्होंने किया ऑपरेशन

ऑपरेशन सर्जिकल ग्रेस्ट्रोएंट्रोलॉजी के सह आचार्य डॉ. वैभव कुमार वार्ष्णेय ने किया। इसकी योजना डॉ. सेल्वा कुमार, डॉ. पीयूष वार्ष्णेय और डॉ. सुभाष सोनी ने बनाई। डॉ. राघव नायर, निश्चेतना विभाग के डॉ. प्रदीप भाटिया, डॉ. कमलेश चौधरी और नर्सिंग संतोष कुरी, दिलीप मीणा ने सर्जरी में सहयोग किया।

एम्स में 6 करोड़ की लागत से बनेगा राज्य स्तरीय मॉडल डीईआईसी सेंटर व ट्रेनिंग सेंटर

जोधपुर. राष्ट्रीय बाल स्वास्थ्य कार्यक्रम के तहत जोधपुर एम्स अस्पताल में 6 करोड़ रुपए की लागत से राज्य स्तरीय मॉडल डीईआईसी (डिस्ट्रिक्ट अर्ली इंटरवेंशन सेंटर) व ट्रेनिंग सेंटर बनेंगे। सीएमएचओ डॉ. बलवंत मंडा ने बताया कि सेंटर पर जन्मजात विकृतियों की शीघ्र पहचान व शीघ्र उपचार किया जाता है। आरबीएसके मोबाइल हेल्थ टीमों से रेफर किये गए बच्चों का भी उपचार किया जाता है। जोधपुर में प्रस्तावित राज्य स्तरीय मॉडल डीईआईसी केंद्र पर राज्य भर से आरबीएसके कार्यक्रम के तहत रेफर किए गए बच्चों का निःशुल्क उपचार किया जाएगा। आरबीएसके कार्यक्रम राज्य सलाहकार अर्चना शर्मा व राज्य कार्यक्रम अधिकारी सुषमा दीक्षित ने इस महत्वकांक्षी प्रोजेक्ट को लेकर दो दिवसीय जोधपुर दौरा किया।

प्रदेश में पहली बार एम्स में रोबोटिक सर्जरी से किए जटिल ऑपरेशन

एम्स जोधपुर ने विंची रोबोटिक प्रणाली से किए 500 सर्जरी के सफल ऑपरेशन

सर्जरी का सबसे बड़ा उपयोग प्रोस्टेट कैंसर तथा पेल्विक सर्जरी में किया

नवज्योति/जोधपुर। अखिल भारतीय आयुर्विज्ञान संस्थान जोधपुर ने रोबोटिक ऑपरेशन प्रणाली में अनूठा मुकाम हासिल किया है। एम्स ने अत्याधुनिक दा विंची रोबोटिक प्रणाली का उपयोग कर 500 रोबोटिक सर्जरी को पूरा करने का माइल स्टोन बनाया है। एम्स के उप निदेशक एनआर विश्नोई ने बताया, इस प्रणाली का उपयोग करते हुए बेहतर परिणामों के साथ सटीक तथा न्यूनतम रक्तस्राव के साथ जटिल सर्जरी की जा रही है। 5 प्रशिक्षित नर्सिंग अधिकारियों के साथ विभिन्न विभागों में 10 प्रशिक्षित रोबोटिक सर्जन हैं।

इसके अलावा अन्य प्रशिक्षित सर्जन इस रोबोटिक्स सिस्टम पर सक्रिय रूप से काम कर रहे हैं। रोबोटिक्स ने सर्जनों को विभिन्न कैंसर सर्जरी व पुनर्निर्माण सर्जरी में उत्कृष्टता हासिल करने में मदद की है और यूरोलॉजी के क्षेत्र में यह कहीं अधिक उपयोगी है। दुनिया भर में रोबोटिक



सर्जरी का सबसे बड़ा उपयोग प्रोस्टेट कैंसर तथा पेल्विक सर्जरी में किया जा रहा है, जो एम्स जोधपुर में अलग नहीं है।

यूरोलॉजी विभाग के सह आचार्य डॉ. गौतमराम चौधरी ने बताया, कि विभाग ने किडनी, ब्लैडर व प्रोस्टेट के 200 से अधिक जटिल तथा चुनौतीपूर्ण बीमारियों के ऑपरेशन किए है। प्रोस्टेट कैंसर के लिए सर्जरी, जिसे रेडिकल प्रोस्टेटेक्टॉमी कहा जाता है,एक कठिन सर्जरी है और ओपन या लैप्रोस्कोपिक तरीकों से करना मुश्किल है। इन रोगियों के लिए रोबोटिक सर्जरी एक वरदान साबित हो रही है जो उन्हें एम्स, जोधपुर में कुशल रोबोट प्रशिक्षित यूरोलॉजिस्ट द्वारा की जा रही है।

पहले प्रोस्टेट कैंसर से पीड़ित लोगों को इस सुविधा का लाभ उठाने के लिए दिल्ली, मुंबई और अहमदाबाद जाना पड़ता था लेकिन अब पूरे राजस्थान से लोग अपने इलाज के लिए एम्स जोधपुर आ रहे हैं। किडनी कैंसर का उन्नत उपचार, जिसमें किडनी से ट्यूमर को हटा दिया जाता है, बाकी किडनी को बरकरार रखते हुए भी रोबोट सिस्टम का उपयोग करके नियमित रूप से किया जाता है और कई मरीज यहां तक कि पड़ोसी राज्यों और पड़ौसी देश नेपाल से भी इस सुविधा का लाभ उठाने के लिए आए हैं।

मेडिकल ऑन्कोलॉजिस्ट और रेडिएशन ऑन्कोलॉजिस्ट के साथ कई प्रशिक्षित यूरो- ऑन्कोलॉजिकल सर्जन्स के साथ एम्स जोधपुर में सभी यूरोलॉजिकल कैंसर का मल्टी-डिसिप्लिनेरी ट्यूमर बोर्ड द्वारा उपचार किया जा रहा है। डॉ. चौधरी ने बताया, संस्था के निदेशक डॉ. संजीव मिश्रा के मार्गदर्शन में उनका उद्देश्य रोबोटिक सर्जरी और यूरो-ऑन्कोलॉजी में लेटेस्ट अपडेट्स एंड रिसर्च के लिए अंतरराष्ट्रीय केंद्रों के साथ भागीदारी करना है।

उपलब्धि • एम्स में प्रदेश की पहली रोबोटिक थॉयराइड कैंसर सर्जरी, 44 वर्षीय महिला को राहत

गर्दन में थी कैंसर गांठ, ऑपरेशन में लगाए छोटे चीरे, अब स्वस्थ

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एम्स सर्जिकल ऑन्कोलॉजी विभाग में प्रदेश की पहली रोबोटिक थॉयराइड कैंसर सर्जरी हुई। पाली निवासी 44 वर्षीय महिला गर्दन में गांठ की शिकायत लेकर एम्स आई। रिपोर्ट देखने के बाद पता चला कि महिला के थॉयराइड कैंसर की गांठ है। इस पर परिजनों की सहमति के बाद ऑपरेशन किया। कैंसर सर्जन डॉ. जीवनराम विश्नोई ने बताया कि सामान्यतः ऐसे ऑपरेशन में मरीज के बहुत बड़ा चीरा लगाया जाता है। कितनी भी सावधानी के बाद भी सर्जरी के लम्बे चीरे का निशान गर्दन के ठीक सामने दिखाई देता है, लेकिन रोबोट के माध्यम से किए ऑपरेशन में मरीज के बगल में दो सेमी का छोटा चीरा व आठ एमएम के तीन चीरे लगाए गए। सर्जरी जटिल थी क्योंकि थॉयराइड के पास ही



एम्स में रोबोट से सर्जरी कर महिला की कैंसर की गांठ का इलाज किया।

पैरा-थॉयराइड ग्रंथि व बोलने में सहायक नस थी। ऐसे में जरा सी चूक से मरीज का बोलना बंद हो सकता था। ऑपरेशन के बाद अब मरीज स्वस्थ है और उसे छुट्टी दे दी गई है।

डॉ. विश्नोई ने बताया कि थॉयराइड कैंसर पुरुषों की तुलना में महिलाओं में ज्यादा होता है। सर्जिकल ऑन्कोलॉजी विभाग में विभिन्न कैंसर के लिए रोबोट तकनीक से 75 से अधिक ऑपरेशन किए जा चुके हैं। इसमें आहार नली, पेट, आंत, मलाशय, यूटरस (बच्चेदानी), इत्यादि के कैंसर है और अन्य कैंसर के ऑपरेशन दूरबीन से भी किए जाते हैं।

इन्होंने किया ऑपरेशन

एम्स डायरेक्टर डॉ. संजीव मिश्रा ने निर्देशन में दिल्ली मैक्स अस्पताल के वरिष्ठ रोबोटिक कैंसर सर्जन डॉ. सुरेंद्र डबास के सहयोग से डॉ. जीवनराम विश्नोई व डॉ. धर्माराम पूनिया और डॉ. निवेदिता शर्मा ने ऑपरेशन किया। सीनियर रेजिडेंट डॉ. बिकास गुरुंग, डॉ. राहुल यादव, डॉ. अल्केश, डॉ. अनंत ने सहयोग किया। इसमें एनेस्थीसिया विभाग से डॉ. प्रदीप कुमार भाटिया, डॉ. तनवी मेश्राम, सीनियर रेजिडेंट डॉ. लवप्रिया शर्मा, डॉ. पावना व नर्सिंग स्टाफ में संतोष, पितांबर, जगदीश शामिल थे।

माहला ने यूं दी मौत को मात | संक्रमित गर्भवती ने वेंटिलेटर पर बच्चे को जन्म दिया, 38 दिन ICU में जिंदगी का संघर्ष किया, जन्मदिन एम्स में हेल्थकर्मियों ने मनाया

जोधपुर | झालामंड मीरा नगर निवासी 9 माह की गर्भवती कंचन (28) 3 जून को कोरोना संक्रमित हुई तो एम्स में एडमिट हुई। सांस में तकलीफ पर 5 जून को आईसीयू में लिया। वहीं 8 जून को वेंटिलेटर पर रहते बच्चे को जन्म दिया। बच्चा तो स्वस्थ हुआ, लेकिन कंचन की तबीयत बिगड़ती गई। 17 जून को बच्चे को भी छुट्टी दे दी गई। आईसीयू में वेंटिलेटर पर कंचन का संघर्ष जारी रहा। डॉक्टर्स का कहना है कि कंचन की हालत खराब होती जा रही थी। कुछ प्रतिशत ही रिकवरी हो पा रही थी। कंचन की इच्छाशक्ति, परिवार और आईसीयू स्टाफ की मेहनत रंग लाई। अब कंचन आराम से चल पा रही हैं। मंगलवार को जब कंचन का जन्मदिन आया तो परिजनों ने अनुमति लेकर केक काटा। इस खुशी में आईसीयू स्टाफ भी शामिल हुआ।



आत्महत्या की घटनाओं को रोकने के लिए एम्स ने शुरू किया जागरुकता अभियान

थोड़ी सी सजगता से बचा सकते है किसी की जान

नवज्योति/जोधपुर। थोड़ी सी सजगता रखते हुए हम अपने आस पड़ोस में किसी व्यक्ति का जीवन बचा सकते है और उससे काउंसलिंग कर अवसाद से बचा सकते है। मनोचिकित्सा विभागए एम्स जोधपुर द्वारा विश्व आत्महत्या रोकथाम दिवस के उपलक्ष्य में आत्महत्या रोकने के प्रति जागरूकता बढ़ाने के लिए विभिन्न कार्यक्रमों का आयोजन किया जा रहा है। मनोचिकित्सा विभाग की डॉ. स्वाति चौधरी के सहयोग से एम्स ओपीडी क्षेत्र में वीडियो के माध्यम से आत्महत्या के जोखिम के संकेतो की जानकारी दी जा रही है। डॉ. चौधरी ने बताया, आत्महत्या करने वालों की मनोदशा में धीरे-धीरे परिवर्तन होने लगता है। जैसे कि स्वभाव में



बदलाव आना, नींद कम या ज्यादा आना, अत्याधिक नशे का सेवन करने जैसे लक्षण पर 6 से 18 सितम्बर तक इसकी विवेचना प्रस्तुत की जा रही है। विभाग के डॉ. नरेश नेभानानी ने बताया, जागरूकता बढ़ाने के लिए आत्महत्या रोकथाम पर पैंपलेट बनाए गए हैं जो 10 सितंबर को सुबह 1 बजे से शाम 5 बजे तक मनोरोग ओपीडी व पंजीकरण डेस्क पर वितरित किए जाएंगे। विभिन्न कार्यक्रमों को संचालित करने की जिम्मेदारी डॉ. नरेश नेभानानी, डॉ. प्रीति के एवं डॉ. तनु गुप्ता ने ली है। डॉ. धनश्री सुरेंद्र गोहाड़ की सहायता से मनोरोग विभाग में इलाज ले रहे मरीजों के अनुभवों की एक वीडियो के माध्यम से प्रस्तुत किया गया। जिसमें साइकोलॉजिस्ट अभिलाषा चौहान एवं आईआईटी जोधपुर की छात्रा मोनिका शर्मा ने सहयोग किया। मरीजों ने साइकोलॉजिकल मदद लेने के लिए बढ़ावा दिया है।

मरीजों ने अपने अनुभव से कुछ मुख्य संदेश दिए है

- आत्महत्या के विचारों को बदला जा सकता है।
- हमारी भावनाएं हमेशा एक जैसी नही रहती।
- परिवार का साथ और डॉक्टर की काउंसलिंग दोनों ही प्रभावी है।
- जीवन अमूल्य है इसे खुल कर जिएं।

ग्रामीण क्षेत्र में भी जागरूकता कार्यक्रम का हो रहा आयोजन

एम्स के मनोचिकित्सा विभाग के डॉ. नवरतन सुथार और डॉ. तुषार कान्त पंडा के सहयोग से जनसाधारण की आत्महत्या रोकने के प्रति जागरूकता के लिए कम्युनिटी एक्टिविटी का आयोजन 9 सितंबर को धुंधाड़ा गांव के कम्युनिटी हेल्थ सेंटर में किया जायेगा। एक गेस्ट लेक्चर का आयोजन भी किया जा रहा है। जिसमे डॉ. कौशिक सिन्हा देव, मनोचिकित्सा विभाग एम्स दिल्ली द्वारा आत्महत्या के रोकथाम पर 10 सितम्बर को एम्स जोधपुर के मनोरोग विभाग के रेजिडेंट्स एवं नर्सिंग के छात्रों से चर्चा करेंगे। एम्स जोधपुर के मनोरोग विभाग के रेजिडेंट्स एवं नर्सिंग के छात्रों के लिए वर्कशॉप का आयोजन भी 11 सितम्बर को ओपीडी में किया जाएगा।

BOTTOM | NEWS

एम्स में कैंसर डे

डॉक्टर्स व स्टूडेंट्स ने आमजन को दी कैंसर रोकथाम की जानकारी

एम्स के स्कूल आफ पब्लिक हेल्थ ने किया जागरूक

नवज्योति/जोधपुर। स्कूल ऑफ पब्लिक हेल्थ,एम्स की ओर से शुक्रवार को वर्ल्ड कैंसर डे पर जागरूकता कार्यक्रम का आयोजन किया गया। स्कूल आफ पब्लिक हेल्थ के डॉ. पंकज भारद्वाज ने बताया, विश्व कैंसर दिवस पर कैंसर के प्रति जागरूकता के लिए एक कार्यशाला आयोजित की गई। इस साल 2022 में कैंसर दिवस की थीम क्लोज द केयर गैप थी। कार्यशाला में एम्स के डॉक्टरों व विद्यार्थियों ने आमजन को कैंसर रोग और उसके रोकथाम की जानकारी दी। कैंसर शरीर में कोशिकाओं के असामान्य रूप से बढ़ने की बीमारी है। ब्रेस्ट कैंसर, मुंह का कैंसर, गले का कैंसर, ब्रेन कैंसर

फेफड़ो का कैंसर के विभिन्न प्रकार है। इसका मुख्य कारण तंबाकू सेवन, शराब का



सेवन, अत्याधिक धूम्रपान के साथ आधुनिक जीवनशैली भी है। जिसमें व्यक्ति का खानपान एवं रहन सहन बड़ा कारण है। स्कूल ऑफ पब्लिक हेल्थ एम्स के कोर्डिनेटर डॉ.पंकज भारद्वाज ने बताया, कैंसर किसी भी अवस्था में हो सकता है। समय रहते कैंसर का पता चलने पर इसका इलाज संभव है। इसी क्रम में स्कूल ऑफ पब्लिक हेल्थ एम्स जोधपुर व इंटरनेशनल कैंसर असिस्ट ट्यूमर कंसोर्शियम एंड डिजीजेस के संयुक्त तत्वावधान में चल रहे दो साल का शोध अध्ययन बीड़ी व्यापार में सात सबसे बड़े बीड़ी उत्पादक राज्यों का मार्गदर्शन, कानूनी और अवैध बीड़ी निर्माण के बीच अंतर की पहचान के लिये एक एसेसमेंट डॉ. मुकेश सी पमार ने बीड़ी से होने वाले कैंसर के बारे में बताते हुए कहा, बीड़ी में कोई लाइसेंस या फिल्टर नहीं होती है। इससे ज्यादा धुआं शरीर के अंदर जाता है। बीड़ी सेवन करने से विभिन्न तरीके के रसायन व कैंसरकारक तत्व धुएं के साथ में हमारे शरीर में प्रवेश कर जाते है जो विभिन्न तरीके की बीमारियों को न्योता देते है। प्रोजेक्ट मैनेजर डॉ. चेतेस जैन ने शोध का उद्देश्य राष्ट्रीय व राज्य स्तर पर बीड़ी उद्योग का उत्पादन, अर्थव्यवस्था में बीड़ी रखाने के आर्थिक योगदान, बीड़ी के सेवन से होने वाला आर्थिक और स्वास्थ्य भार पर एक राष्ट्रीय रिपोर्ट और राज्य स्तरीय तथ्य पत्र जारी करना बताया।

जीवन शैली में बदलाव कर कैंसर से बचा जा सकता है: डॉ विश्नोई

एम्स अलर्ट

जीवन शैली में बदलाव कर हम कैंसर जैसी बीमारी से बचाव कर सकते है। यह जानकारी वर्ल्ड कैंसर डे पर एम्स के प्रो. डॉ. जीवनराम विश्नोई ने दी। डॉ. विश्नोई ने बताया, कैंसर को दो भागों में बांटा जा सकता है एक जो बदला नहीं जा सकता और दूसरा लाइफ स्टाइल के कारण हो रहे कैंसर जिसमें धूम्रपान, जंक फूड, शराब पीना प्रमुख कारण है। डॉ. विश्नोई ने बताया, कि कैंसर रोग में समय पर उपचार करवाए तो कैंसर का उपचार संभव है। इसमें क्षतिपय भी प्रमुख है जिसमे पढ़े लिखे लोग यह कहते है कैंसर को छिपाया तो मौत हो जाएगी, लोगोंमेरेपी कराई तो जल्दी मौत जाएगी। उन्होंने बताया, आज आधुनिक उपचार की सुविधा उपलब्ध है जिससे कैंसर जैसी बीमारी का उपचार संभव है।

क्रिटिकल केसेज में परफेक्ट हो रहा हमारा एम्सः

वायरल न्यूमोनिया ग्रसित गंभीर मरीज के एक्मो लगा बचाई जान

एम्स में पहला एक्मो लगाया

नवज्योति/जोधपुर। अखिल भारतीय आयुर्विज्ञान केंद्र एम्स के कार्डियोथोरेसिक विभाग की ओर से वायरल न्यूमोनिया से ग्रसित मरीज के (एक्ट्रा कोर्पोरियल मेम्ब्रेन ऑक्सीजन) एक्मो लगाया गया। कार्डियोथोरेसिक सर्जरी विभाग के एसोसिएट प्रोफेसर डॉ. सुरेंद्र पटेल ने बताया, 41 वर्षीय बाड़मेर जिले के पचपदरा निवासी मरीज को बुखार, खांसी, श्वास लेने में कठिनाई एवं खांसी में खून आने की शिकायत होने पर एम्स अस्पताल में भर्ती किया गया था। मरीज की जांच में कोरोना की पुष्टि नहीं हुई थी,लेकिन सीटी स्कैन में मरीज के फेफड़े लगभग 90 प्रतिशत खराब हो गए थे। इस कारण मरीज को वेंटिलेटर के सपोर्ट पर रखा गया। गहनचिकित्सा इकाई में एनेस्थीसिया एवं क्रिटिकल केयर विभाग के प्रोफेसर डॉ. प्रदीप भाटिया के मार्गदर्शन में डॉ. अंकूर शर्मा एवं उनकी टीम ने मरीज को सात दिनों तक वेंटिलेटर के सपोर्ट पर रखा। मगर मरीज के फेफड़े लगातार खराब हो रहे थे। मरीज की जान बचाने का एक ही तरीका बचा था, कि मरीज को एक्मो के सपोर्ट पर कुछ समय रखा जाए जब तक की मरीज के फेफड़े न्यूमोनिया से ठीक नहीं हो जाते है। 27 जनवरी को कार्डियोथोरेसिक सर्जरी टीम एवं एनेस्थीसिया एवं क्रिटिकल केयर टीम ने मिलकर एक्मो डालने का निर्णय लिया। एक्मो लगाने का ऑपरेशन कार्डियोथोरेसिक सर्जरी विभाग के एसोसिएट प्रोफेसर डॉ. सुरेंद्र पटेल के नेतृत्व में हुआ। ऑपरेशन में डॉ. आलोक कुमार शर्मा,डॉ. मधुसूदन कहो, डॉ. अनुपम दास,

पूर्ण रिकवर होने पर हटाएंगे एक्मो मशीन

कार्डियोथोरेसिक सर्जरी विभाग के एसोसिएट प्रोफेसर डॉ. आलोक कुमार शर्मा ने बताया, मरीज को एक्मो लगे हुए लगभग 14 दिन का समय हो गया है एवं मरीज की हालत स्थिर है। पूर्ण रिकवरी होने पर एक्मो मशीन हटाई जाएगी।

क्या होता है एक्मो



एक्मो एक तरह का कृत्रिम हृदय एवं फेफड़े का कार्य करने की मशीन है, जिसमे मरीज के शरीर से अशुद्ध रक्त निकाल कर मशीन से शुद्ध करके वापस मरीज की शरीर में डाल दिया जाता है। यह मशीन हृदय एवं फेफड़ो दोनों को लगभग 6से7 सप्ताह तक वाइपास कर सकती है ताकि उस समय फेफड़े एवं हृदय को गंभीर संक्रमण बीमारी से रिकवर होने का समय मिल जाता है। डॉ. पटेल ने बताया, इस मरीज का हार्ट ठीक काम कर रहा था, केवल फेफड़े खराब थे इसलिए केवल फेफड़ो का वाइपास किया। जिसे वेनो वीनस एक्मो काम आता है। डॉक्टर आलोक शर्मा ने बताया, एक्मो का प्रयोग हार्ट या फेफड़े या दोनों के खराब हो जाने पर उनके प्रत्यारोपण तक,बीमार को जिंदा रखने के लिए भी प्रयोग में लाई जाती है। इसमें गर्दन व टांग की नसों के अंदर कैनिलाएं डाली जाती है। इस मशीन का संचालन विशेष रूप से ट्रेनिंग प्राप्त कार्डियक परफ्यूजनिस्ट करते हैं। यह अत्याधिक स्तर की उपलब्ध लाइफसपोर्ट मशीन है। जो जोधपुर में अभी केवल एम्स के पास ही उपलब्ध है।

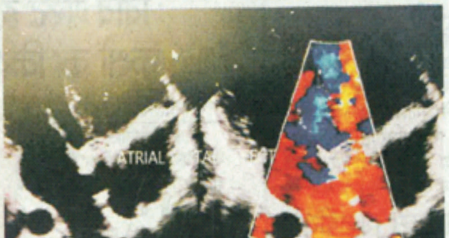
पश्चिम राजस्थान में लगाया पहला एक्मो

एम्स जोधपुर के निदेशक डॉ. संजीव मिश्रा ने ऑपरेशन की पूरी टीम को बधाई देते हुए बताया, कि यह पश्चिमी राजस्थान में लगाया गया पहला एक्मो है। जो कि हृदय एवं फेफड़ो की गंभीर संक्रमण, बीमारी के मरीजो के इलाज में एक जीवन रक्षक का कार्य करेगा। एम्स के चिकित्सा अधीक्षक डॉ. महेंद्र कुमार गर्ग ने आवश्यक उपकरणो के त्वरित उपलब्धता सुलभ करवाई, जिससे यह ऑपरेशन तुरंत संभव हो पाया।

डॉ. वानिश्वर मीणा,डॉ. प्रमोद व डॉ. अस्निद्ध का सहयोग रहा। एनेस्थीसिया एवं क्रिटिकल केयर विभाग से डॉ. प्रदीप भाटिया के मार्गदर्शन में डॉ. मनोज कमल, डॉ. निखिल कोठारी डॉ. सादिक मोहम्मद, डॉ. अंकूर शर्मा, डॉ. भारत पालीवाल, डॉ. राकेश कुमार एवं सीनियर रेसिडेंट्स डॉ. हरीश, डॉ. संगम, डॉ. गरिमा, डॉ. हर्षवर्धन, डॉ. अक्षय ,डॉ. वेंकट, डॉ. फैजल एवं डॉ. संदीप का सहयोग रहा। कार्डियक परफ्यूजनिस्ट कमलेश पंवार, देवेंद्र, पूजा, गोपिता एवं अनिता ने एक्मो मशीन का सफल संचालन किया। कार्डियक ओटी नर्सिंग ऑफिसर अजित , स्वाति, राजवीर, मनराराम, एवं गहन चिकित्सक इकाई के नर्सिंग इंचार्ज अजय पाल व अन्य नर्सिंग ऑफिसर एवं कर्मचारियों का सहयोग रहा।

एम्स में बच्चों के दिल के छेद एट्रियल सेप्टल डिफेक्ट डिवाइस से बंद किए

नवज्योति/जोधपुर। अखिल भारतीय आयुर्विज्ञान केंद्र एम्स, जोधपुर के कार्डियोलॉजी विभाग ने गुरूवार को 6-15 वर्ष की आयु के बच्चों में एक दिन में पांच एट्रियल सेप्टल डिफेक्ट डिवाइस क्लोजर किए। डीन डॉ. कुल दीप सिंह ने बताया कि इन बच्चों के दिल में एक छेद पाया गया। जिसे एट्रियल सेप्टल दोष के रूप में जाना जाता है, जो एक सामान्य हृदय दोष है जो दीवार (सेप्टम) में होता है जो दिल के ऊपरी कक्षों, दाएं और बाएं अटरिया को अलग करता है और इससे रक्त का मार्ग होता है दिल के बाएँ से दाएँ भाग।



डॉ.अतुल कौशिक, सहायक प्रोफेसर, कार्डियोलॉजी ने बताया कि इन सेप्टल दोषों को एक उपकरण का उपयोग करके बंद कर दिया गया था जिसे ऊरु शिरा के माध्यम से हृदय तक पहुँचाया गया था। इस प्रकार इन बच्चों के लिए ओपन हार्ट सर्जरी की आवश्यकता को टाल दिया।

बच्चों में से एक ने पहले दूसरे केंद्र में एक ओपन हार्ट सर्जरी करवाई थी, लेकिन ग्राफ्ट ऊतक के अधः पतन के कारण प्रक्रिया विफ्त हो गई। एनेस्थीसिया विभाग और सीटीवीएस के साथ कार्डियोलॉजी टीम द्वारा प्रक्रियाओं को अंजाम दिया गया। रोगियों ने प्रक्रिया को अच्छी तरह से खड़ा किया और प्रक्रिया के तीसरे दिन उन्हें छुट्टी दे दी गई।

आईआईटी व एम्स ने मूक व्यक्तियों के लिए बनाए टॉकिंग ग्लव्ज, एआई से आवाज में समझा पाएंगे

महज पांच हजार रुपए लागत से बनाए ग्लव्ज, स्टार्टअप कंपनी के साथ बाजार में उतारने की तैयारी

नवज्योति/जोधपुर।
आईआईटी जोधपुर व एम्स ने मूक व्यक्तियों को आवाज देने का तैयारी कर ली है। जिससे मूक व्यक्ति आवाज में खुद की बात आसानी से समझा पाएंगे। चौंकिए नहीं, यह कोई कल्पना नहीं है, इसके आईआईटी जोधपुर व एम्स ने साकार कर दिखाया है। आईआईटी और एम्स ने मिलकर टॉकिंग हैंड ग्लव्ज विकसित किए हैं। जिनकी मदद से बोलने नहीं पाने वाले व्यक्ति भी अपनी बात आसानी से रख पाएंगे। खास बात यह है कि आर्टिफिशियल इंटेलीजेंस पर आधारित ग्लव्ज को करीब पांच हजार कीमत पर ही मुहैया करवाया गया है।

एआई व मशीन लर्निंग से आवाज

आईआईटी के कंप्यूटर विभाग के प्रो. सुमित कालरा ने बताया कि ग्लव्ज आर्टिफिशियल इंटेलीजेंस और मशीन लर्निंग पर काम करते हैं। जिसमें आवाज को विकसित करते हैं। इसमें बोलने में असमर्थ लोग आसानी से अपनी बात सुन सकेंगे। उन्होंने बताया कि व्यक्ति को केवल कुछ प्रयास कर प्रत्येक अक्षर को बताने की मुद्रा सीखनी होगी। इसके बाद में अपने हाथों में ग्लव्ज पहन कर जैसे जैसे मुद्रा बनाएगा, वैसे वैसे ग्लव्ज आवाज निकालेंगे। कालरा ने बताया कि ग्लव्ज में झुकने, अंगुलियों व अंगुठे को हिलाने में इलेक्ट्रिक तरंगें विकसित होंगी। जिन्हें एक सिस्टम प्रोसेस यूनिट में भेजा जाता है। जिसमें ध्वनि तरंगों में बदल एक स्पीकर में भेजा जाता है और आवाज आना शुरू हो जाती है। इसके आधार पर किसी भी भाषा में बात की जा सकती है। वहीं उच्चारण भी अहम व्यक्ति जैसा ही होगा।

साइन लैग्वेंज का विकसित रुप

कालरा ने बताया कि मूक लोगों के लिए अपनी बात रखने का सबसे बेहतर प्रचलित तरीका साइन लैग्वेज ही रहा है। मगर साइन लैग्वेज हर कोई समझ नहीं सकता है। ऐसे में लोगों को काफी दिक्कतों का सामना करना पड़ता था। साइन लैग्वेज के विकसित रुप के तौर पर ग्लव्ज सामने लाए गए हैं।

स्टार्ट अप से बाजार में उतारेंगे

उन्होंने बताया कि इस खोज का पेटेंट हो चुका है एम्स के साथ मिलकर कई परीक्षणों में जांचा परखा गया। एम्स के डॉक्टरों के सुझाव पर इसमें कई बदलाव किए गए है। अब ग्लव्ज के उत्पादन के लिए आईआईटी जोधपुर स्टार्टअप कंपनी के साथ समझौता करेगी। वहीं आईआईटी तकनीकी सहयोग उपलब्ध करायेगा। जिससे कम कीमत पर मूक लोगों को आवाज से ग्लव्ज मिल पाएंगे।

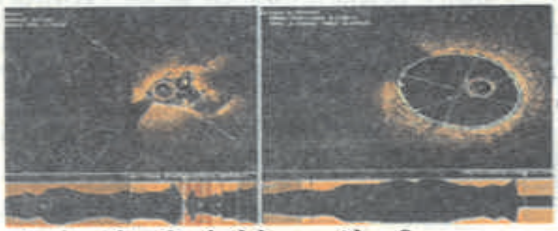


एम्स में कोरोनरी इमेजिंग से लगाया एमईआरईएस 100 माइक्रोन बायोडिग्रेडेबल स्टंट, मरीज स्वस्थ

एम्स प्रशासन का दावा- पश्चिमी राजस्थान में बायोडिग्रेडेबल स्टंट लगाने का यह पहला केस

हेल्थ रिपोर्टर | जोधपुर

एम्स में कोरोनरी इमेजिंग की सहायता से मरीज के एमईआरईएस 100 माइक्रोन बायोडिग्रेडेबल स्टंट लगाया। मरीज पूरी तरह स्वस्थ है और उसे छुट्टी भी दे दी गई है। एम्स प्रशासन का दावा है कि यह पश्चिमी राजस्थान का पहला केस है जिसमें बायोडिग्रेडेबल स्टंट लगाया गया है। दरअसल बीकानेर निवासी पेशे से टीचर 52 वर्षीय मरीज को हार्ट अटैक की शिकायत हुई। बेटा डॉक्टर है तो वह सीधे एम्स लेकर आया। वहां मरीज की एंजियोग्राफी की तो पता चला कि नस में ब्लॉकेज है। इस पर एमईआरईएस 100 माइक्रोन बायोडिग्रेडेबल स्टंट लगाया।



मशीन से हार्ट में ब्लॉकेज देखने के बाद ऑपरेशन किया गया।

डॉ. राहुल चौधरी ने बताया कि संपूर्ण एंजियोप्लास्टी कोरोनरी इमेजिंग की सहायता से की, जिससे ब्लॉकेज की लंबाई और मोटाई आदि का सही अनुमान लगाया जा सका। स्टंट मेक इन इंडिया के तहत भारतीय कंपनी का लगाया। एम्स अधीक्षक डॉ. एमके गर्ग ने बताया कि मरीज पूरी तरह स्वस्थ है। पश्चिमी राजस्थान का यह पहला केस है। पूरे राजस्थान में किसी भी सरकारी अस्पताल में बायोडिग्रेडेबल स्टंट अब तक नहीं लगाया गया है। यह प्रोसिजर डॉ. सुरेंद्रसिंह देवड़ा, डॉ. चौधरी और डॉ. अतुल कौशिक ने किया।

क्या होता है बायोडिग्रेडेबल स्टंट

यह स्टंट इंप्लांट होने के दो से तीन साल बाद आर्टरी में घुल जाता है। हृदय की कोरोनरी आर्टरी में ब्लॉकिज होने पर सामान्यतया एंजियोप्लास्टी या बाइपास सर्जरी द्वारा इसे ठीक किया जाता है। बिना सर्जरी के एंजियोप्लास्टी द्वारा स्टंट लगाना काफी कारगर उपचार है, लेकिन कई मामलों में मैटलिक स्टंट फिर से बंद हो जाता है या मरीज को स्टंट से जुड़ी अन्य समस्या हो सकती है। अब नवीनतम तकनीक से लगाए गए मैटलिक स्टंट कुछ समय बाद शरीर में ही घुल जाते हैं और आर्टरी सामान्य रूप से कार्य करने लगती है। बायोडिग्रेडेबल स्टंट पोलिमर से बना होता है जो शरीर में इंप्लांट होने के दो से तीन साल बाद अपने आप घुल जाता है। स्टंट घुलने के बाद आर्टरी प्राकृतिक अवस्था में आ जाती है।

एम्स का दावा- जान बचाने के लिए पश्चिमी राजस्थान में ऐसा पहला प्रयोग...

फेफड़े 90% खराब थे, 7 दिन तक वेंटिलेटर सपोर्ट पर रखा फिर लंग्स में एक्मो मशीन लगाकर बचा ली मरीज की जान

जोधपुर | एम्स कुछ समय पहले पचपदरा निवासी एक 41 वर्षीय मरीज भुखा, खांसी, सांस में कठिनाई और खांसी में खून आने की शिकायत लेकर भर्ती हुआ। हमने तमाम तरह की जांच के साथ कोरोना टेस्ट भी किया, जो निगेटिव आया। पर सीटी स्केन में सामने आया कि उसके 90% फेफड़े खराब थे। मरीज को 7 दिन वेंटिलेटर सपोर्ट पर रखा, लेकिन फेफड़ों में कोई सुधार नहीं दिखा। इसके बाद मरीज की जान बचाने एम्स ने किया कि जब तक की मरीज के फेफड़े रिकवरी से ठीक नहीं हो जाते, तब तक एक्मो मशीन लगाकर रखें।

27 जनवरी को कार्डियोथोरेसिक सर्जरी टीम, एनेस्थीसिया व क्रिटिकल केयर टीम ने मिलकर एक्मो ट्रायल को निर्णय किया, जो सफलतापूर्वक हुआ दिखा गया। मरीज को एक्मो लगे अब 14 दिन हो गए हैं, उसकी हालत स्थिर है। पूर्ण रिकवरी होने पर एक्मो मशीन हटाई जाएगी। प. राजस्थान में लगाया ये पहला एक्मो है जो मरीज के जीवनरक्षक का कार्य करेगा।

जानिए क्या है एक्मो मशीन • 6-8 सप्ताह हृदय एवं फेफड़ों का काम करती है



एक्मो कृत्रिम हृदय और फेफड़े का कार्य करने वाली मशीन है, जो मरीज के शरीर से अशुद्ध रक्त निकालकर शुद्ध करके वापस शरीर में डालती है। मशीन हृदय एवं फेफड़ों दोनों को 6-8 सप्ताह आराम कर सकती है। इसमें फेफड़े एवं हृदय को गंभीर बीमारी से निकल होने का समय मिल जाता है। मरीज के फेफड़े खराब थे, इसलिए उन्हें वीनस एक्मो कहते हैं। एक्मो का प्रयोग हार्ट या फेफड़े या दोनों खराब होने पर उनके प्रत्यारोपण तक, बीमार को जिंदा रखने के लिए भी प्रयोग में लाते हैं। इसमें गर्दन व पैरों की नसों में नलियां डाली जाती हैं। इस मशीन का संचालन विशेष रूप से ट्रेनिंग प्राप्त कार्डियक परफ्यूजनिस्ट करते हैं। यह मशीन जोधपुर में केवल एम्स में उपलब्ध है।

ऑपरेशन में ये भी थे शामिल : इस ऑपरेशन में टीम में शामिल डॉ. मधुसूदन खड़ी, डॉ. अतुल एम, डॉ. दानिश्वर मीणा, डॉ. प्रवीर और डॉ. अनिरुद्ध का भी सहयोग रहा।

AIIMS जोधपुर में एचआईपीईसी तकनीक से पेट में फैले कैंसर का किया उपचार

दो मरीजों के इस तकनीकी से किया सफल ऑपरेशन



नवज्योति/जोधपुर। अखिल भारतीय आयुर्विज्ञान केंद्र एम्स जोधपुर के सर्जिकल ऑन्कोलॉजी विभाग में अत्याधुनिक एचआईपीईसी हाइपरथर्मिक इन्ट्रोपेरिटोनियल कीमोथेरेपी मशीन से पेट में फैले कैंसर के दो मरीजों का सफलतापूर्वक उपचार किया गया। सर्जिकल ऑन्कोलॉजी विभाग में सह आचार्य डॉ. जीवनराम विश्नोई ने बताया, 42 वर्षीय महिला के अंडाशय का कैंसर बड़ी आंत, बच्चेदानी, पेशाब की थैली, ओमेंटम, पेरिटोनियम से चिपका हुआ था। जिसमें कैंसर प्रभावित दोनों अंडाशय, यूटरस पूरी बड़ी आंत अपेंडिक्स ओमेंटम, पेशाब की थैली का हिस्सा पूरी पेरिटोनियम की परत को निकाला गया। इस तरह के ऑपरेशन को साइटोरेडक्टिव सर्जरी कहा जाता है। इसके बाद किम्पलेटिन नामक कीमोथेरेपी की दवा मशीन से 42 डिग्री तापमान पर लगातार गर्म करते हुए 90 मिनट तक पूरे पेट में ओपन तकनीक से प्रवाहित किया गया। इस पूरी सर्जरी के लिए करीब 10 घंटे का समय लगा। इस ऑपरेशन के लिए एम्स निदेशक व सर्जिकल ऑन्कोलॉजी प्रोफेसर डॉ. संजीव मिश्रा तथा इसी विभाग के सह आचार्य डॉ. जीवन राम विश्नोई के साथ आचार्य डॉ. जीवन राम विश्नोई ने पूरी प्लानिंग की। इस ऑपरेशन में डॉ विश्नोई के साथ में डॉ. निवेदिता शर्मा सहायक आचार्य, डॉ. धर्माराम पूनिया सहायक आचार्य, डॉ. राहुल यादव, डॉ. राजेंद्र ,डॉ. मोहित, डॉ. अरविन्द, डॉ. नेहा रेजिडेंट शामिल थी। एनस्थेसिया टीम में प्रोफेसर प्रदीप भाटिया के नेतृत्व में डॉ. प्रियंका सेठी सहायक आचार्य, डॉ. दीपक, डॉ. बालाकृष्ण व डॉ. पूजा ने सहयोग किया।

पेट में फैले कैंसर के लिए यह तकनीक कारगर

डॉ. जीवन राम विश्नोई ने बताया, पेट में फैले हुए ओवेरियन, अपेंडिक्स व बड़ी आंत के कैंसर के लिए ये तकनीक कारगर है। सामन्यतया ये कैंसर पेट में आसपास के अन्य अंगो में व पेट के अंदर की झिल्ली पेरिटोनियम में फैल जाता है। इस प्रकार के कैंसर रक्त से अन्य अंगो में जाने की संभावना कम रहती है। इसलिए इस प्रकार के एडवांस्ड कैंसर को साइटोरेडक्टिव सर्जरी करके पूर्णतया निकालना जरूरी होता है। इसके इसके बाद एचआईपीईसी मशीन से कीमोथेरेपी की दवा को 42 डिग्री तापमान पर गर्म करके लगातार पेट में ट्यूब्स से प्रवाहित किया जाता है। पेट में कैंसर के सूक्ष्मकण पर 42 डिग्री का तापमान व कीमोथेरेपी की दवा दोनो ही प्रभावशाली साबित होते है। कीमोथेरेपी की दवाइयां भी खून की नसों के बजाय सीधी पेट में देने का फायदा ये होता है कि पूरे शरीर में इसके साइड इफेक्ट्स नहीं होते। उसके साथ जहां पेट में ही सर्वाधिक मात्रा की आवश्यकता होती है वहीं इसको सीधी थैरेपी दी जा सकती है। चिकित्सा अधीक्षक डॉ. एम के गर्ग ने बताया, इस तकनीक से ऐसे बहुत से मरीज लाभान्वित होंगे।

भास्कर लाइव • एम्स में हमने देखे 'भगवान' ... हादसे में घायल बच्चों को बचाने का आंखों-देखा हाल

ऑक्सीजन वाले स्ट्रेचर लिए पोर्च में खड़ा रहा स्टाफ, एक बच्चे के लिए 3-4 डॉक्टर, हाथोहाथ तैयार किया इमरजेंसी वार्ड



घायलों के पहुंचने से पहले तैयारी में जुटा एम्स



1 बच्चे के लिए कई डॉक्टर तैनात रहे

फोटो: विकास चौहा

जोधपुर। पलसुंड-लिंग के बीच गुरुवार सुबह हुए भीषण सड़क हादसे में घायल बच्चों के इलाज में एम्स प्रबंधन मुस्तैद रहा। हादसे में घायल करीब 40 बच्चों में से 20 गंभीर घायल बच्चों को एम्स लाया गया। एम्स प्रबंधन ने हादसे व घायल बच्चों के आने की सूचना मिलते ही इमरजेंसी में व्यवस्थाएं संभाल लीं। घायल बच्चों के आने से पहले ही इमरजेंसी में मौजूद मरीजों को डिस्चार्ज कर उसे खाली करवा दिया। इसके बाद 10 से ज्यादा सिक्योरिटी गार्ड की तैनाती में पोर्च खाली करवाया। बाद में वहीं पर अलग-अलग ट्रॉली पर 20 से ज्यादा ट्रॉलीमैन लगाए। घायल बच्चों के इलाज में पीडियाट्रिक, सर्जरी, न्यूरो, ईएनटी सहित 20 से ज्यादा डॉक्टर जुट रहे। हर स्ट्रेचर पर 3-4 डॉक्टर और नर्सें बच्चों के पास खड़े रहे। 25 से ज्यादा नर्सिंगकर्मी और ट्रेनिंग ऑफिसर बच्चों की सारसंभाल में जुटे रहे। फिर अस्पताल प्रबंधन ने घायल बच्चों का इलाज कर उनके लिए अलग से पीडियाट्रिक इमरजेंसी वार्ड खाल दिया। वहां पर बच्चों की देखरेख के लिए अलग से डॉक्टरों व नर्सिंगकर्मियों को लगाया।

हर ट्रॉली पर डॉक्टर-नर्स



परिजनों के आने तक बच्चों को पुचकारते-संभालते रहे

अस्पताल प्रबंधन इलाज के दौरान एक भी दवा या इंजेक्शन के लिए किसी के भरोसे नहीं रहा। यहां तक कि रेफर होकर अस्पताल आए घायल बच्चों को परिजनों की कमी भी महसूस नहीं होने दी। इलाज के दौरान एक भी परिजन वहां मौजूद नहीं था। परिजन दोपहर करीब 2.30 बजे के बाद पहुंचे।

संभागीय आयुक्त व कलेक्टर ने एम्स पहुंच कुशलक्षेम जानी: मुख्यमंत्री गहलोत के निर्देश पर संभागीय आयुक्त राजेश शर्मा व कलेक्टर हिमांशु गुप्ता ने एम्स जाकर पोकरण-जैसलमेर बस दुर्घटना में घायल बच्चों की कुशलक्षेम जानी। कलेक्टर ने घायल बच्चों के बारे में एम्स निदेशक डॉ. संजीव मिश्रा से जानकारी ली और उनके उपचार संबंधी व्यवस्थाओं पर चर्चा की। उन्होंने बताया कि एम्स रेफर किए गए बच्चों की हालत स्थिर है। एक बच्चा ऑपरेशन थियेटर में है और एक पीडियाट्रिक एक्यूट केयर में है। कलेक्टर ने बच्चों के परिजनों को बेहतर इलाज व हरसंभव सुविधा का आश्वासन दिया।

ये जिंदगी-मौत के बीच जंग लड़ रहे

अब्दुल (8), सिकंदर (8), यासीन (12), हुसैन (13), आमीन (8), असलम (10), बरकत (10), अमीर (10), असगर (12), गफार (15), दिलबर (12), हुसैन (13), नासर (7), आकेश (8), माधू (9), अस्कर (10), रिजवान (11), मजार (10), नक्काब (10)

एम्स जोधपुर को मिला कोविड बेस्ट परफोरमेंस अवार्ड



नवज्योति/जोधपुर। अखिल भारतीय आयुर्विज्ञान केंद्र एम्स जोधपुर को कलक्टर जोधपुर इंद्रजीत सिंह ने कोविड के दौरान मरीजों के प्रति जवाबदेही के साथ उपचार व बेस्ट मैनेजमेंट के साथ मुख्यमंत्री चिरंजीवी स्वास्थ्य बीमा योजना के क्रियान्वयन पर बेस्ट परफोरमेंस अवॉर्ड दिया गया है। कलक्टर ने कोविड के दौरान एम्स जोधपुर के निदेशक डॉ. संजीव मिश्रा, उपनिदेशक एनआर विश्नोई, अस्पताल अधीक्षक डॉ. एमके गर्ग की ओर से कोविड रोगियों के लिए विशेष इंतजाम के साथ कोविड वार्ड का संचालन किया। जिससे जोधपुर में कोरोना पर नियंत्रण पाने में सफल हो सके। एम्स की परफोरमेंस पर कलक्टर ने सरकारी क्षेत्र में बेस्ट परफोरमेंस अवॉर्ड दिया।

तीसरी लहर की संभावना पर एम्स तैयार

एम्स के अधीक्षक डॉ. एम के गर्ग ने बताया, कोविड के दौरान सभी ने टीम वर्क से काम किया जिससे कोविड रोगियों की जिंदगी बचाई जा सकी। तीसरी लहर की संभावना को देखते हुए इससे निपटने के लिए एम्स जोधपुर तैयार है।

इनका कहना है

एम्स के चिकित्सक, स्टॉफ ने टीम वर्क से मरीज की जिंदगी बचाने का ध्येय बना कार्य किया। वही कोरोना की तीसरी लहर से निपटने के लिए एम्स जोधपुर पूरी तरह से तैयार है।

डॉ. एम के गर्ग, अधीक्षक, एम्स जोधपुर।

कैंसर की गांठ को निकालना और पांव बचाने की थी बड़ी चुनौती, एम्स ने कर दिखाया शाबास

नवज्योति/जोधपुर।

अखिल भारतीय आयुर्विज्ञान केंद्र एम्स जोधपुर के ऑकलोजी विभाग के चिकित्सकों ने क्रिटिकल ऑपरेशन कर युवती का पैर कटने से बचा लिया। एम्स जोधपुर के सर्जिकल ऑन्कोलॉजी व रेडिएशन ऑन्कोलॉजी विभाग ने युवती के पैर में कैंसर की गांठ को सर्जरी से निकाल कर ब्रेकीथेरेपी कैथेटर तकनीक से आंतरिक रेडियोथेरेपी देकर पैर को कटने से बचा लिया। एम्स जोधपुर के निदेशक डॉ. संजीव मिश्रा ने बताया, ब्रेकीथेरेपी तकनीक से इस प्रकार के ट्यूमर में ज्यादा कारगर तरीके से ट्यूमर बेड पर रेडियोथेरेपी दी जा सकती है। इसमें इस तकनीक के साथ में इक्स्टर्नल बीम रेडियोथेरेपी भी दी जाती है। मौजूद केस में मरीज के दांए पैर में घुटने के नीचे काफी बड़ी कैंसर की गांठ फुंबिला नाम की बोन से उत्पन्न होकर आसपास के टिश्यूज में फैलकर के लगभग दो तिहाई हिस्से को करीब 20 सेंटीमीटर तक घेरे हुए थी। ये पैर की खून व तंत्रिका नसों से भी चिपकी हुई थी। इससे पहले मरीज का एक बार ऑपरेशन अन्यत्र किसी अस्पताल में हो चुका था। मगर वे गांठ फिर से बन गई थी। ऐसे में कैंसर गांठ को पूरी तरह से निकालना व पैर को बचाना भी चैलेंजिंग था।

गांठ कोंड्रोसार्कोमा नामक कैंसर बीमारी निकली

चिकित्सकों के मुताबिक बायोप्सी में कैंसर की गांठ कोंड्रोसार्कोमा नामक कैंसर की बीमारी निकली। मरीज को सर्जिकल ऑन्कोलॉजी विभाग के सह आचार्य डॉ. जीवन राम विश्नोई की

ऑपरेशन के दौरान लगाए ब्रेकीथैरेपी कैथेटर

ऑपरेशन के दौरान ही रेडियोथेरेपी विभाग में डॉ. भारती देवनानी की टीम ने ब्रेकीथेरेपी कैथेटर लगाए। उनके साथ डॉ. अमित व डॉ सुजोय थे। सर्जरी के बाद में रेडियोथेरेपी विभाग में डॉ. पुनीत पारीक, डॉ. भारती देवनानी, डॉ. आकांक्षा सोलंकी व फिजिसिस्ट सुनंता व जोसिमन ने सीटी सिम्युलेशन करके बारीकी से ट्यूमर बेड के लिए उपयुक्त प्लान की संरचना की । इसमें अत्याधुनिक मशीन से हाईडोज रेट ब्रेकीथेरेपी कैथेटर तकनीक द्वारा रेडियोथेरेपी दी गई। सर्जरी के पांच दिन बाद में लगातार तीन दिन तक सुबह व शाम को मिलाकर के 16 जी मात्रा की रेडियोथेरेपी दी। उसके बाद में कैथेटर निकालकर डिस्चार्ज कर दिया गया। घाव भरने व टांके निकलने के बाद लगभग 1 महीने पश्चात बाकी रेडियोथेरेपी यानी इबीआरटी का प्लान किया गया है।



व बोन स्कैन करवा के ये निश्चित किया गया कि कहीं और अंगों में तो फैला हुआ नहीं है। मरीज के इलाज का प्लान संस्थान निदेशक डॉ. संजीव मिश्रा के निर्देशन में डॉ. जीवनराम विश्नोई, डॉ. पुनीत पारीक, डॉ. भारती देवनानी ने मिलकर निर्धारित किया। इस परिस्थिति में पांव को घुटने के ऊपर से काटने के अलावा सीटी स्कैन का बारीकी से अध्ययन करके पैर को बचाने की सर्जरी प्लान की गई। सर्जरी के दौरान ही ब्रेकीथेरेपी कैथेटर लगाने का फैसला किया गया। इस ऑपरेशन में पैर के फुंबिला बोन के साथ में पैर के साइड व पीछे की मांसपेशियां व सॉफ्ट टिश्यूज, स्कीन व कुछ नसें भी निकाली गई। एम्स जोधपुर हॉस्पिटल अधीक्षक डॉ. एमके गर्ग ने बताया, इस तकनीक से ऐसे बहुत से मरीज लाभान्वित होंगे। उन्होंने पूरी टीम की सराहना की।

इन्होंने किया ऑपरेशन

ये ऑपरेशन डॉ. जीवन राम विश्नोई की टीम ने किया। उनके साथ टीम में डॉ.निवेदिता शर्मा, डॉ. धर्माराम पुनिया, डॉ. राजेंद्र, डॉ. अल्केश, डॉ. अरविंद, एनेस्थेसिया से डॉ. प्रियंका सेठी, डॉ. वैष्णवी, नर्सिंग में तीजो चौधरी, इबा खरलीयोट

कार्यशाला

एकलेजियाकार्डिया के रोगियों को मिलेगी राहत

परऑरल एंडोस्कोपिक मायोटॉमी एम्स जोधपुर में शुरू

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जोधपुर. एम्स जोधपुर में दो दिवसीय कार्यशाला में ऐकलेजिया कार्डिया रोग के 7 रोगियों के लिए एंडोस्कोपी से परऑरल एंडोस्कोपिक मायोटॉमी प्रक्रिया की ग... यह प्रक्रिया पश्चिमी राजस्थान में पहली बार की गई है। ऐकलेजिया कार्डिया एक दुर्लभ विकार है। जिससे भोजन और तरल पदार्थ के पेट में जाने में मुश्किल होती है। कार्यशाला का आयोजन गेस्ट्रोएंट्रोलॉजी विभाग ने किया। दो दिवसीय कार्यशाला में विशेषज्ञ डॉ जहीर नक्वी की मदद से एम्स गेस्ट्रोलॉजी विभाग के डॉक्टर्स डॉ आशीष अग्रवाल और डॉ छगन लाल बिरदा ने 7 रोगियों के लिए इस



प्रक्रिया का प्रदर्शन किया। इस प्रक्रिया के बाद मरीजों को अब दूर जाने की जरूरत नहीं पड़ेगी। कार्यक्रम में एम्स निदेशक डॉ. संजीव मिश्रा व एम्स अस्पताल अधीक्षक डॉ. एमके गर्ग शामिल थे।

जानिए क्या है ऐकलेजियाकार्डिया

विशेषज्ञों के अनुसार आमतौर पर एक इंसान भोजन को निगलता है तो भोजन नलिका के निचले हिस्से में पाया जाने वाला स्फिंगक्टर यानी के मांसपेशिका का छल्ला खुलता है। खाने को पेट में जाने देता है। तंत्रिका कोशिका एंस्फिंगक्टर की खुलने और बंद होने की प्रक्रिया को नियंत्रित करती हैं। जो लोग ऐकलेजिया कार्डिया से पीड़ित होते हैं। उनकी तंत्रिका कोशिका धीरे-धीरे गायब हो जाती है। इन कोशिकाओं के न होने से स्फिंगक्टर को आराम करने का मौका नहीं मिलता। परिणाम स्वरूप भोजन नलिका में खाना इक्ट्ठा होने लगता है। इससे भोजन निगलने में दिक्कत आती है। उल्टी होने लगती है, रात को कफ गिरती है और वजन कम होने लगता है। अब तक फूड पाइप टाइट होने का इलाज गुब्बारे के जरिए किया जाता था, जहां पर फूड पाइप फंसता था। वहां पर गुब्बारा पहुंचा कर स्ट्रेचकर दिया जाता था। हालांकि, यह टेंपररी इलाज था। कुछ दिन बाद फिर से यह बीमारी होने लगती थी। इसका दूसरा इलाज लेप्रोस्कोपिक सर्जरी है। जापान में इस नई प्रक्रिया की शुरुआत की गई। इसमें मुंह के जरिए ऐंडोस्कपी मशीन डालकर वॉल्व को ढीला कर दिया जाता है। इसमें सबसे बड़ा फ ायदा ये हैं कि मरीज को किसी भी प्रकार की सर्जरी नहीं झेलनी पड़ती।

जोधपुर

जोधपुर, शुक्रवार 21 अगस्त, 2021

जोधपुर एम्स में जटिल ऑपरेशन

• दिल्ली के बाद खुले एम्स में अब तक नहीं हुई थी ऐसी सर्जरी

दो रोगियों की फूली हुई महाधमनी निकाली, कृत्रिम वाल्व कंडयूट किया, खून की नसों को फिर से जोड़ा

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जोधपुर एम्स के कार्डियोथोरेसिक विभाग ने दो रोगियों की महाधमनी बदलने का जटिल बेंटाल ऑपरेशन करने में सफलता पाई। अधीक्षक डॉ. एमके गर्ग ने दावा किया कि दिल्ली के बाद नए खुले किसी भी एम्स के साथ पश्चिमी राजस्थान के सरकारी अस्पतालों में भी अब तक ऐसे ऑपरेशन नहीं हुए। दोनों रोगियों की महाधमनी गुब्बारे की तरह फूल गई थी। इससे महाधमनी के फूट कर जान जाने का भी खतरा था। बेंटाल ऑपरेशन कर एऑर्टिक वाल्व के साथ-साथ महाधमनी को भी आर्टिफिशियल वाल्व कंडयूट से बदला गया। फिर हार्ट को ब्लड सप्लाई वाली नसों को भी कंडयूट से जोड़ा गया।

ऑपरेशन करने वाले कार्डियक सर्जन डॉ. आलोक शर्मा ने बताया कि इन ऑपरेशन में किसी प्रकार की फेल्ट स्ट्रिप या लूप का इस्तेमाल नहीं किया गया। इस कारण ऑपरेशन के दौरान ब्लीडिंग का खतरा कम हो गया। दोनों ही मामलों में बाहर से खून चढ़ाने की आवश्यकता नहीं पड़ी। ऑपरेशन शुरू होने से पहले दोनों मरीजों का ही खून पहले से लिया गया था, जिसे ऑपरेशन के बाद वापस चढ़ा दिया। ऑपरेशन के लिए दिल्ली एम्स में कार्डियक सर्जन प्रो. शिव कुमार चौधरी की तकनीक का इस्तेमाल किया गया।

वाल्व में लीकेज व महाधमनी फूलने से सीने में दर्द व दम की थी शिकायत



केस 1: पहला ऑपरेशन नागौर के 37 वर्षीय युवक हुआ। वह मेने में दर्द व सांस फूलने की शिकायत लेकर भर्ती हुआ। जांच में उसके एओर्टिक वाल्व में लीकेज के साथ एनुलल एक्टेसिया नामक बीमारी होना पाया गया। इससे हार्ट 35% ही काम कर रहा था। परिजनों की सहमति पर महाधमनी बदल कर ए 25 नंबर का वाल्व कंडयूट लगाया गया। अब पूरी तरह स्वस्थ है।

केस 2: दूसरा ऑपरेशन पाली के 35 वर्षीय युवक का किया। जन्म से उसका एओर्टिक वाल्व दो पत्ते वाला (बायकस्पिड) था। इस कारण सांस फूलने, सीने में दर्द व जल्दी थकने की समस्या थी। मरीज का वाल्व सिकुड़ गया था और महाधमनी फूल गई थी। जिसे ऑपरेशन कर 23 नंबर का वाल्व कंडयूट से बदला गया। इसके बाद अब वह पूरी तरह स्वस्थ है।

सर्जरी में डॉ. आलोक शर्मा के नेतृत्व में डॉ. सुदीप पारेक, डॉ. अनुपम दास, डॉ. दानिश्वर मीना, डॉ. मयूखदत्त ने की। एनेस्थेसिया में डॉ. प्रदीप महरिया, डॉ. मनोज कान्हर, डॉ. साहिका, डॉ. लोकेश कुमार, डॉ. जया रोनी का सहयोग रहा। टीम में परफ्यूजनिस्ट पूजा, टेक्नि. नर्सिंग अधिकारी अजीत पुरुषोत्तम, डिमांशा, मनसा राम शामिल थे।

एम्स गेस्ट्रोलॉजी विभाग की दो दिवसीय वर्कशॉप में विशेषज्ञों ने पोयम तकनीक से की सर्जरी

दुर्लभ बीमारी से पीड़ित 7 मरीजों के ऑपरेशन, आहार नली व पेट के बीच सिकुड़ी नसों को एंडोस्कोपी से पूरा खोलकर दी राहत

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एम्स में गेस्ट्रोलॉजी विभाग की दो दिवसीय वर्कशॉप में सात मरीजों में रेअर डिजीज के ऑपरेशन किए गए। एम्स और एमडीएमएच गेस्ट्रोलॉजी के सीनियर प्रोफेसर वर्कशॉप में भाग लिया। वर्कशॉप का उद्घाटन एम्स डायरेक्टर डॉ. संजीव मिश्रा ने किया। वर्कशॉप में अचलेसिया कार्डिया रेयर डिस्ऑर्डर के मरीज का ऑपरेशन हैदराबाद एशियन इंस्टिट्यूट ऑफ गेस्ट्रोएंट्रोलॉजी के डॉ. जहीर नबी और एम्स गेस्ट्रोएंट्रोलॉजी विभाग के डॉ. आशीष अग्रवाल, डॉ. छगनलाल बिरदा ने पर ओरल एंडोस्कोपी मायोट्रॉमी (पोयम) तकनीक से करके डेमोस्ट्रेट किया। इसके बाद अन्य छह मरीजों के ऑपरेशन जोधपुर टीम ने किए।



सात मरीजों का हुआ ऑपरेशन

एम्स गेस्ट्रोएंट्रोलॉजी विभाग के डॉ. अग्रवाल ने बताया कि सात मरीजों में सभी 40-60 उम्र के हैं। इनमें तीन महिला व चार पुरुष मरीज हैं। पिछले तीन माह में इनका चयन कर वर्कशॉप में ऑपरेशन किया गया। एम्स में सप्ताह में एक मरीज इस तरह की बीमारी की शिकायत लेकर ओपीडी में आ रहा है।

क्या है अचलसिया कार्डिया रेयर डिजीज

यह बीमारी 10 लाख में से एक मरीज को होती है। इस बीमारी में मरीज का वजन कम होने लगता है। इसमें खाने की नली और पेट के जंक्शन पर आकर नस सिकुड़ जाती है, जिसको सामान्य तौर पर चीरा लगाकर ऑपरेशन किया जाता है। अब पर ओरल एंडोस्कोपी मायोट्रॉमी तकनीक से एंडोस्कोपी की सहायता से सिकुड़ी नसों को पूरी तरह खोल दिया जाता है। इस तरह का सरकारी अस्पतालों में यह पहला प्रोसिजर जोधपुर एम्स में किया गया।

एम्स

महाधमनी बदलने का ऑपरेशन

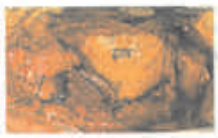
नई तकनीक :ओटी में मरीज को रक्त चढ़ाने तक की जरूरत नहीं पड़ी

पत्रिका न्यूज नेटवर्क

जोधपुर. एम्स जोधपुर के कार्डियोथोरेसिक विभाग ने एक बड़ी सफलता हासिल करते हुए महाधमनी वाली बेटाल को बदलने का ऑपरेशन कर दिखाया है। एम्स अस्पताल अधीक्षक डॉ महेंद्र कुमार गर्ग ने बताया की पिछले दो माह में दो महाधमनी को बदलने के ऑपरेशन किए गए। जोधपुर निवासी 37 वर्षीय पुरुष रोगी के गंभीर रूप से ऑर्टिक वाल्व के लिकेज के साथ एन्यूरिस्एक्टेसिया नामक बीमारी थी। इस बीमारी का हार्ट केवल 35 परसेंट ही काम कर पा रहा था। इसके बेटाल ऑपरेशन में 25 नम्बर का वाल्व कंडूयट का इम्प्लांट किया गया। दूसरा बीमार पाली से 35 वर्षीय पुरुष था जिसमें जन्मजात ऑर्टिकवाल्व तो पहले वाल्व वाली बायकस्पिड था। यह वाल्व गंभीर रूप से चूना जमने से सिकुड़ गया था। इनकी महाधमनी भी गुब्बारे की तरह फूल गई थी। 23 नम्बर का वाल्व कंडूयट का ऑपरेशन में इम्प्लांट किया गया।

डॉ आलोक शर्मा ने बताया कि ऑपरेशन के लिए ना तो किसी फेमर स्ट्रिप या और न ही किसी रक्त का इम्प्लांट किया है। इस तरह से ऑपरेशन करने पर ब्लीडिंग का रिस्क कम हो गया। दोनों मामलों में किसी बाहर से खून चढ़ाने की आवश्यकता नहीं पड़ी। सर्जरी को शुरू करने तक पहले केवल बीमार से खुद का खून ले कर बचाया गया, जो की सर्जरी समाप्त होने पर पुन: चढ़ा दिया गया।







एम्स दिल्ली में प्रो शिवकौशरी की प्रशिक्षित और इम्प्लांट की जाने वाली तकनीक का भी इस्तेमाल किया। दोनों बीमार ठीक चल रहे है और पहले बीमार को छुट्टी हो चुकी है और दूसरा बीमार डिस्चार्ज होने के लिए तैयार है।

कार्डियोथोरेसिक सर्जन डॉ आलोक शर्मा के नेतृत्व में डॉ सुरेंद्र पटेल, डॉ अनुपम दास, डॉ दानिश्वर मीना, डॉ मधुसूदन ने सर्जरी में सहयोग दिया। डॉ मनोज कमल, डॉ. सादिक,डॉ राकेश कुमार, डॉण् चन्ना सोनी और प्रोफेसर प्रदीप भाटिया के नेतृत्व में कार्डियक एनेस्थीसिया टीम ऑपरेशन में मौजूद रही। कमलेश, पूजा, देवेंद्र ने परफ्यूजनिस्ट टीम में भाग लिया। नर्सिंग अधिकारी अजीत फूलबेस, प्रियंका, मनसा रामड़ा ऑपरेशन में सहयोग दिया।

जाने महाधमनी बदलने का ऑपरेशन

यह ऑपरेशन सभी सर्जन नहीं करते हैं। इस ऑपरेशन में ऑर्टिक वाल्व के साथ महाधमनि को भी आर्टिफिशियल वाल्व कंडूयट से बदला जाता है। हार्ट की ब्लड सप्लाई की नसों को इस ऑपरेशन के दौरान पुन: कंडूयट पर लगाया जाता है। उल्लेखनीय है कि जिन बीमारी में ऑर्टिक वाल्व के खराब होने के साथ महाधमनि का भी बड़ा साइज हो जाता है। इन बीमारी में इस महाधमनि के अचानक फूट जाने से आकस्मिक मृत्यु होने का रिस्क रहता है। इस ऑपरेशन में ब्लीडिंग का खतरा होता है और यह होने पर बीमार की मृत्यु ऑपरेशन थियेटर में ही हो जाने का खतरा रहता है। सर्जरी के दौरान सही तकनीक का इस्तेमाल करना बहुत जरूरी है। ओटी में इस कारण विशेष उपकरणों की जरूरत रहती है।

जोधपुर एम्स में बढ़ती सुविधाएं: एकलेजिया कार्डिया रोगियों को एम्स जोधपुर में मिलेगी एंडोस्कोपिक उपचार की सुविधा

एंडोस्कापी ओरल एंडोस्कोपी मायोटामी प्रक्रिया पहली बार पश्चिम राजस्थान में अपनाई गई

नवज्योति/जोधपुर।

अखिल भारतीय आयुर्विज्ञान केंद्र एम्स गेस्ट्रो एंटारोलाजी विभाग की ओर से गुरुवार को दो दिवसीय कार्यशाला का आयोजन किया गया। जिसमे एकेलेजिया कार्डिया रोग के सात रोगियों पर एंडोस्कोपी द्वारा ओरल एंडोस्कापी ओरल एंडोस्कोपी मायोटामी प्रक्रिया अपनाई गई। कार्यशाला के मुख्य अतिथि एम्स के निदेशक डॉ. संजीव मिश्रा व एमएस डॉ. एम के गर्ग थे। कार्यशाला में हैदराबाद के डॉ. जहीर नबी और एम्स जोधपुर व एमडीएम अस्पताल गैस्ट्रो एंटरोलॉजी विभागों के संकाय प्रमुख मौजूद थे। पश्चिमी राजस्थान में यह प्रक्रिया पहली बार उपयोग में ली गई है।

दुर्लभ है ये बीमारी

एकलेजियाकार्डिया एक दुर्लभ विकार है जिससे भोजन और तरल पदार्थ के पेट में जाने में मुश्किल होती है। आमतौर पर एक इंसान भोजन को निगलता है तो भोजन नलिका के निचले हिस्से में पाया जाने वाला स्फिंक्टर मांस पेशी का छल्ला खुलता है और खाने को पेट में जाने देता है। तंत्रिका कोशिका स्फिंक्टर की खुलने और बंद होने की प्रक्रिया को नियंत्रित करती है। जो लोग एकलेजिया कार्डिया से पीड़ित होते हैं उनकी तंत्रिका कोशिका धीरे-धीरे गायब हो जाती है। इन कोशिकाओं के नहीं होने से स्फिंक्टर को आराम करने का मौका नहीं मिलता। परिणाम स्वरूप भोजन नलिका में खाना एकत्रित होने लगता है। इससे भोजन निगलने में दिक्कत आती है। वहीं मरीज को उल्टी होने लगती है और रात में कफ निकलने के साथ शरीर का वजन कम होने लगता है।



सात मरीजों पर अपनाई प्रक्रिया

दो दिवसीय कार्यशाला में डॉ. जहीर नबी जो इस क्षेत्र के विशेषज्ञ हैं उनकी मदद से डॉ. आशीष अग्रवाल और डॉ. छगनलाल बिरदा ने एम्स जोधपुर में 7 रोगियों पर इस प्रक्रिया का प्रदर्शन किया।

एम्स जोधपुर में अब पीओईएम प्रक्रिया शुरू होने से एकलेजिया कार्डिया से पीड़ित रोगियों को अत्यधिक लाभ होगा, अब उन्हें इसके लिए कहीं और जाने की जरुरत नहीं होगी।

गुब्बारे से होता था उपचार

अब तक फूड पाइप टाइट होने का इलाज गुब्बारे से किया जाता था। जहां फूड पाइप फंसता था, वहां गुब्बारा पहुंचा स्ट्रेचकर दिया जाता था। हालांकि यह टेंपरेरी इलाज ही था। इस दौरान कुछ दिन बाद फिर से यह बीमारी बढ़ने लगती थी। इसका दूसरा इलाज लेप्रो स्कोपिक सर्जरी है। जापान में इसकी शुरुआत की गई है। इसमें मुंह के जरिए एंडोस्कोपी मशीन डालकर वॉल्व को ढीला कर दिया जाता है। इसमें सबसे बड़ा फायदा ये है कि मरीज को किसी भी प्रकार की सर्जरी नहीं झेलनी पड़ती है।

खुशखबरी : एम्स जोधपुर में हुई प्रदेश की पहली निशान रहित रोबोटिक थाइरॉइड कैंसर सर्जरी





रचा इतिहास

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जोधपुर. एम्स जोधपुर के सर्जिकल ऑन्कोलॉजी विभाग में राजस्थान प्रदेश की पहली थाइराइड कैंसर की सर्जरी अत्याधुनिक रोबोट तकनीक से सफलतापूर्वक की गई। इस ऑपरेशन के बाद जोधपुर ने मेडिकल जगत का एक नया आयाम स्थापित कर दिया है। एसोसिएट प्रोफेसर डॉ जीवन राम विश्नोई ने बताया कि इस अत्याधुनिक तकनीक से ऑपरेशन केवल देश के गिने-चुने मेट्रो शहरों में किया जाता है। इस ऑपरेशन में रैबिट (रोबोटिक असिस्टेड ब्रेस्ट-एक्जेलो इनसफ्लेशन थारॉइडेक्टमी) तकनीक से मरीज के बगल में दो सेमी का छोटा चीरा लगाकर के जगह बनाई जाती है। इसके बाद केवल आठ मिमी के तीन चीरे लगाकर ऑपरेशन को अंजाम दिया जाता है। इस सर्जरी को बहुत सावधानी एवं बारीकी से किया जाना आवश्यक है अन्यथा थाइरॉइड के बिलकुल पास में ही स्थित पैराथाइरॉइड ग्रंथि एवं बोलने के काम आने वाली नस को क्षति पहुंचने की काफी संभावना रहती है।

पाली निवासी 44 वर्षीय महिला के गर्दन पर पिछले तीन महीनों से एक गांठ दिखाई दे रही थी जो कि जांचो के उपरांत थाइरॉइड कैंसर की साबित हुई। इसके लिए महिला ने एम्स में सर्जिकल ऑन्कोलॉजी विभाग में दिखाया। मरीज के इलाज का प्लान संस्थान निदेशक डॉ संजीव मिश्रा के दिशा-निर्देशन में डॉ जीवन राम विश्नोई,डॉ धर्माराम पुनिया व डॉ निवेदिता शर्मा ने मिलकर के निर्धारित किया। इस सर्जरी को डॉ जीवन राम विश्नोई की टीम ने मैक्स अस्पताल दिल्ली केवरिष्ठ रोबोटिक कैंसर सर्जन डॉ सुरेंद्र डबास की सहायता से किया। इस सर्जरी में डॉ विकास गुरुंग, सीनियर रेजिडेंट डॉ राहुल यादव, डॉ अल्केश, डॉ अनंत के साथ एनेस्थेसिया से एचओडी डॉ प्रदीप कुमार भाटिया ,डॉ तनवी मेश्राम, सीनियर रेजिडेंट डॉ लवप्रिया शर्मा, डॉ पावना,नर्सिंग स्टाफ संतोष कुड़ी, पिताम्बर, व जगदीश शामिल थे। इस ऑपरेशन के बाद मरीज पूरी तरह से स्वस्थ है तथा अस्पताल से छुट्टी दे दी गयी है।

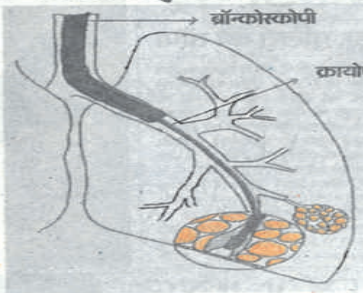
दैनिक भास्कर — जोधपुर

देश में दिल्ली एम्स के बाद हमारे एम्स में शुरू हुआ क्रायोबायोप्सी से आईएलडी मरीजों का इलाज

हेल्थ रिपोर्टर | जोधपुर

एम्स पल्मोनरी मेडिसिन विभाग में क्रायोबायोप्सी के माध्यम से होगा इंटरस्टीशियल लंग डिजीज (आईएलडी) मरीजों का इलाज किया जा रहा है। पल्मोनरी विभाग के एडिशनल प्रोफेसर डॉ. निशांत चौहान ने बताया कि आईएलडी के मरीजों के इलाज के लिए किए जाने वाली ब्रॉन्कोस्कोपी को क्रायोप्रॉब के माध्यम से फेफड़ों के अंदर जाकर अलग-अलग हिस्सों से टुकड़े लिए जाते हैं। यह सुविधा देश में कुछ ही संस्थानों में है। दिल्ली एम्स के बाद जोधपुर एम्स में यह शुरू हुआ।

डॉ. चौहान ने बताया कि इसमें फेफड़ों के अलग-अलग टुकड़े लेकर पैथोलॉजिस्ट के पास जांच के लिए भेजते हैं। जांच के बाद विशेषज्ञ डॉक्टरों की टीम तय करती है कि आईएलडी किस प्रकार की है। इस प्रक्रिया के माध्यम से सामान्य की बजाय टिशू का 6-8 एमएम तक का टुकड़ा निकाला जा सकता है। हालांकि प्रक्रिया से पहले मरीज के ब्लीडिंग होने जैसी जटिलता होती है।



इन मरीजों में की जाती है क्रायोबायोप्सी

क्रायोबायोप्सी उन मरीजों में की जाती है जिनकी बीमारी सीटी स्कैन के बाद भी पता नहीं चलती। क्रायोबायोप्सी करने से पहले मरीज की कुछ जांच करवाकर राय किया जाता है कि इससे फायदा होगा या नहीं। यदि मरीज के फेफड़े ज्यादा कमजोर हैं, तब यह जांच नहीं की जाती है।

आईएलडी में फेफड़े सिकुड़ जाते हैं

श्वास रोग आईएलडी फेफड़ों की एक गंभीर बीमारी है। इसमें मरीज के फेफड़े सिकुड़ जाते हैं, जिसके कारण व्यक्ति के शरीर में ऑक्सीजन का प्रवाह कम हो जाता है और उसे सांस संबंधी तमाम समस्याएं होती हैं। कई बार सूखी खांसी रहती है। जल्दी थकान होती है। सिकुड़े हुए फेफड़ों को ठीक तो नहीं किया जा सकता, लेकिन सही समय पर रोग की पहचान करने के बाद नियमित दवा और परहेज की मदद से बीमारी को नियंत्रित किया जा सकता है।

जोधपुर — दैनिक नवज्योति

एम्स में छोटे बच्चे की भी हो सकेंगी डायलेसिस

पीडियाट्रिक विभाग में सीआरआरटी मशीन लगाई

नवज्योति/जोधपुर। अखिल भारतीय आयुर्विज्ञान केंद्र एम्स में अब तीन बच्चों के किडनी में किसी प्रकार का इंफेक्शन है और उन्हें डायलेसिस की जरुरत है तो अब दूसरे शहर में नहीं जाना पड़ेगा। एम्स की ओर से पीडियाट्रिक विभाग में सीआरआरटी मशीन लगाई गई है।



यह मशीन कुछ दिन पहले खरीदी थी, लेकिन पिछले दिनों एम्स में नौ किलो वजनी बच्चा आया उसे सीवियर निमोनिया था जिसका असर उसके किडनी पर पड़ा और किडनी भी खराब हो गई। इसपर एम्स के पीडियाट्रिक विभाग की ओर से नई रीनल रिप्लेसमेंट थैरेपी मशीन से उपचार शुरु किया। पीडियाट्रिक विभाग ने हाल ही आईसीआरआरटी मशीन से उसे जोड़ा और थैरेपी दी।एम्स के चिकित्सकों के अनुसार यह अपने प्रकार की अलग थैरेपी है जो सरकारी अस्पताल में पहली बार दी गई है।

जिसमें यह मशीन बच्चों के लिए कृत्रिम किडनी का काम कर रही है और यह मशीन दस वर्ष से कम आयु वर्ग के बच्चों के लिए डायलेसिस का काम कर रही है। एम्स के चिकित्सकों के अनुसार इस मशीन की सहायता से शरीर में जमा अतिरिक्त पानी व जहरीला पदार्थ को फेटर लगा डायलेसिस किया जाता है। इस मशीन के लगने से बच्चों में प्लाज्मा एक्सचेंज, व जटिल सर्जरी से गुजरने वालों को डायलेसिस की जरुरत होने पर किया जा सकेगा।

जोधपुर एम्स

इस महीने शुरु हो जाएगा किडनी ट्रांसप्लांट

नवज्योति/जोधपुर। पश्चिम राजस्थान सहित प्रदेश के उन मरीजों के लिए राहत वाली खबर है जो किडनी की बीमारी से जूझ रहे है और किडनी ट्रांसप्लांट ही एक मात्र विकल्प उनके पास बचा है। इलाज की लंबी प्रक्रिया व भारी खर्च के चलते किडनी ट्रांसप्लांट नहीं करवा पा रहे है। एम्स जोधपुर की ओर से इस माह से किडनी ट्रांसप्लांट की सुविधा शुरू कर दी जाएगी। इसके लिए एम्स प्रशासन ने तैयारी शुरू कर दी है और माना जा रहा है, कि इस माह के अंत तक किडनी ट्रांसप्लांट मेजर सर्जरी शुरू कर दिया जाएगा। इसके लिए एम्स जोधपुर द्वारा लखनऊ की अनुभवी चिकित्सकों से ट्रांसप्लांट को लेकर बातचीत कर ली है। दरअसल एम्स ने पश्चिम राजस्थान में किडनी इंफेक्शन के रोगियों को देखते हुए एम्स ने किडनी ट्रांसप्लांट की सुविधा शुरू करने का निर्णय लिया है। यह माना जा रहा है, कि दो साल के अंतराल के बाद एम्स में किडनी ट्रांसप्लांट आरंभ हो जाएगा।

एम्स ने शुरू की तैयारी, कोरोना के कारण बंद थी किडनी ट्रांसप्लांट

हुए वर्ष 2019 में किडनी ट्रांसप्लांट की सुविधा शुरू की थी और 2 अगस्त 2019 को पहली बार एम्स जोधपुर व लखनऊ की टीम ने किडनी ट्रांसप्लांट किया था। जिसमें एक मां ने अपनी पुत्री को किडनी डोनेट की थी। उसके बाद दिसंबर 2019 में एक किडनी ट्रांसप्लांट हुआ,लेकिन उसके बाद कोरोना के चलते मामलों को देखते

एम्स ने शुरू की तैयारी

एम्स प्रशासन ने दो साल के अंतराल के बाद शुरू की जा रही किडनी ट्रांसप्लांट को लेकर तैयारी शुरू कर दी है। इसके लिए एम्स प्रशासन की ओर से जहां लखनऊ की चिकित्सक टीम के साथ कोलेबेरेशन के साथ जिस मरीज के किडनी ट्रांसप्लांट करनी है उसके लिए रिसीवर व डोनर दोनों को तैयार किया गया है।

एम्स में तीसरा किडनी ट्रांसप्लांट आज

जोधपुर. अखिल भारतीय आयुर्विज्ञान संस्थान जोधपुर में तीसरी किडनी ट्रांसप्लांट शुक्रवार को होगा। इससे पहले एम्स जोधपुर में साल 2019 में अगस्त व दिसंबर माह में दो ट्रांसप्लांट हुए थे। शुक्रवार को महिला का किडनी ट्रांसप्लांट है, उसके रिश्तेदार किडनी देंगे। ट्रांसप्लांट के लिए संजय गांधी पीजीआइ लखनऊ से टीम जोधपुर पहुंच चुकी है।

जोधपुर का बढ़ा गौरव

विश्व के टॉप वैज्ञानिक में हमारे एम्स के 3 डॉक्टर्स शामिल

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जोधपुर. एम्स जोधपुर के तीन डॉक्टर्स ने प्रदेश के साथ पूरे जोधपुर का नाम विश्व पटल के चिकित्सा शोध में ला दिया है। स्टेनफोर्ड यूनिवर्सिटी की ओर से दुनिया भर के करीब 10 लाख वैज्ञानिकों का डेटाबेस तैयार किया है, इसमें से भी टॉप-2 प्रतिशत में एम्स जोधपुर के डॉ. प्रवीण शर्मा, डॉ. तनुज कंचन और डॉ. जयकरण चारण शामिल हुए हैं। अमरीका की स्टेनफोर्ड यूनिवर्सिटी में ख्यातिप्राप्त डॉ. जॉन पीए इओनिडिस की अगुवाई में बनी साइंटिस्ट्स की टीम ने दुनिया के टॉप साइंटिस्ट को चुना था। एम्स डायरेक्टर डॉ. संजीव मिश्रा ने तीनों डॉक्टर्स को बधाई दी।

स्टेनफोर्ड यूनिवर्सिटी ने इस वर्ष दो सूची जारी की, पहली सूची में चिकित्सा वैज्ञानिकों के जीवन पर्यंत किए गए कार्यों को आंका गया और दूसरी सूची में साल 2020 में किए गए कार्यों को वरीयता दी गई।



डॉ. तनुज कंचन, प्रोफेसर, फॉरेंसिक मेडिसिन

2016-20 तक असिस्टेंट डीन रिसर्च रहे। वर्तमान में कॉलेज के एग्जाम वाइस डीन है। इनका नाम यूनिवर्सिटी के दोनों सूची में शामिल हुआ है। यूनिवर्सिटी की पिछले वर्ष जारी सूची में इनका नाम कॉरियर लॉग लिस्ट में शुमार रहा।



डॉ. प्रवीण शर्मा, प्रोफेसर, बायोकेमेस्ट्री

साल 2016-20 तक एम्स में डीन रिसर्च रहे। डायरेक्टर डॉ. संजीव मिश्रा के नेतृत्व में अनेक शोध कार्यों को नए आयाम दिए।



डॉ. जयकरण चारण, सहआचार्य, फार्मोकोलॉजी विभाग

इन्होंने साल 2016-20 तक असिस्टेंट डीन व इसके बाद से सब डीन रिसर्च का कार्य देख रहे हैं। रिसर्च कार्यों में विशेष फोकस रखते हैं और इनकी कार्यशैली भी प्रभावी है।

उल्लेखनीय है कि डॉ. तनुज कंचन का नाम संपूर्ण कॉरियर सूची में लगातार दो सालों से कायम है, वहीं 2020 में रिसर्च की सक्रिय भूमिका का आंकलन के लिए यूनिवर्सिटी ने अतिरिक्त सूची जारी की है, जिसमें एम्स डॉ. शर्मा, डॉ. तनुज व डॉ. चारण सम्मिलित हुए हैं।

एम्स ने रचा इतिहास

दो मरीजों का किडनी ट्रांसप्लांट

दोनों मरीज स्वस्थ्य

नवज्योति/जोधपुर। अखिल भारतीय आयुर्विज्ञान केंद्र के चिकित्सकों ने साबित कर दिया है कि वे लीक से हट कर किस प्रकार काम करते हैं और सफल होते है। कोरोना संक्रमण के कारण करीब दो साल से किडनी ट्रांसप्लांट बंद होने के बाद इस माह एम्स व लखनऊ एसपीजीआई इंस्टीटयूट के चिकित्सकों ने संयुक्त आपरेशन करते हुये दो मरीजों के किडनी ट्रांसप्लांट किया है। सूत्रों के अनुसार किडनी ट्रांसप्लांट के बाद मरीजों के स्वास्थ्य में निरंतर सुधार हो रहा है और उनकी रिपोर्ट भी सामान्य होती जा रही है।

दरअसल पश्चिम राजस्थान में किडनी संक्रमण के रोगियों को देखते हुये एम्स प्रशासन ने वर्ष 2019 में लखनऊ के संजय गांधी पी इंस्टीटयूट के साथ मिलकर किडनी ट्रांसप्लांट करने का निर्णय लिया है। जिसमे अगस्त 2019 में एम्स के चिकित्सकों ने एक



महिला का किडनी ट्रांसप्लांट किया था, उसके बाद दिसम्बर में एम्स जोधपुर व लखनऊ की टीम ने दो किडनी ट्रांसप्लांट किये, लेकिन उसके बाद कोरोना संक्रमण को बढ़ते मरीजों को देखते हुये एम्स द्वारा किडनी ट्रांसप्लांट को स्थगित कर दिया था।

इधर इस माह कोरोना संक्रमण कम होने पर एम्स व लखनऊ के एसपीजीआई के चिकित्सक प्रो. अनीष श्रीवास्तव, डा. धर्मेन्द्र भदोरिया, डा. संदीप साहू, डा. उदयप्रताप सिंह सहित एम्स के सर्जिकल, नफ्रोलाजी, यूरोलाजी व एनिस्थिसिया विभाग के चिकित्सकों ने किडनी ट्रांसप्लांट कर इस बार दो किडनी ट्रांसप्लांट कर इतिहास रच दिया।

सिटी स्पोर्ट्स

एम्स में एनुअल स्पोर्ट्स वीक 'तेजस-2021' शुरू

जोधपुर| अखिल भारतीय आयुर्विज्ञान संस्थान (एम्स) में बुधवार को स्पोर्टस वीक तेजस 2021 शुरू हुआ। एम्स डायरेक्टर डॉ. संजीव मिश्रा ने अधिकारिक तौर पर इसका उद्घाटन किया। डॉ. मिश्रा ने बच्चों को पढ़ाई के साथ गेम्स में ज्यादा से ज्यादा भाग लेने के लिए प्रेरित करते हुए कहा कि पिछले साल कोरोना की वजह से स्पोर्ट्स वीक नहीं हो पाया था लेकिन इस बार कोरोना की गाइडलाइन की पालना करते हुए सभी गेम्स खेले जाएं। स्पोर्ट्स सेक्रेट्री डॉ. पुष्पेन्द्र सिंह खेरा और डॉ. आशीष नैय्यर ने बताया कि इस वीक में एमबीबीएस के 2016 से 2020 बैच के स्टूडेंट्स और नर्सिंग के 2018 से 2020 बैच के स्टूडेंट्स भाग ले रहे हैं। इसके अलावा एम्स की फैकल्टी और इंजीनियरिंग विंग का स्टाफ भी हिस्सा ले रहा है। फैकल्टी और इंजीनियरिंग विंग के स्टाफ के लीग मैच कराए जा चुके हैं। लड़के और लड़कियों के लिए क्रिकेट, हैंडबॉल, वॉलीबाल, फुटबॉल, फुटसेल, हॉकी, बॉस्केटबाल, थ्रोबॉल गेम्स होंगे। व्यक्तिगत खेलों में लॉन टेनिस, टीटी, बैडमिंटन, शतरंज और कैरम आदि के मुकाबले होंगे।



एम्स जोधपुर में हुआ किडनी का सफल ट्रांसप्लांट

नवज्योति/जोधपुर। अखिल भारतीय आयुर्विज्ञान केंद्र एम्स व संजय गांधी पोस्ट ग्रेज्यूएट इंस्टीट्यूट के चिकित्सकों ने शुक्रवार को एम्स जोधपुर में किडनी रोग से पीड़ित महिला का किडनी ट्रांसप्लांट किया। आरंभिक रिपोर्ट के अनुसार महिला का किडनी ट्रांसप्लांट सफल रहा है। गौरतलब है, कि पश्चिम राजस्थान में किडनी रोगियों की संख्या को देखते हुए एम्स जोधपुर द्वारा किडनी ट्रांसप्लांट शुरू किया गया था।

एम्स व एसजीपीजीआई के चिकित्सकों ने किया ट्रांसप्लांट



इसके तहत वर्ष 2019 अगस्त में महिला के किडनी ट्रांसप्लांट किया उसके बाद कोरोना के बढते मामलो को देखते हुए एम्स प्रशासन द्वारा किडनी ट्रांसप्लांट को टाल दिया था। अब इन दिनों ओमिक्रान व कोरोना रोगियों की संख्या घटने व हालात सामान्य होने पर एम्स प्रशासन ने किडनी ट्रांसप्लांट के लिए डोनर व रिसीवर को तैयार किया और संजय गांधी पोस्टग्रेज्यूएट इंस्टीटयूट व एम्स के चिकित्सकों ने किडनी ट्रांसप्लांट के लिए कार्यक्रम को तैयार किया। जिसमे शुक्रवार को एम्स में किडनी ट्रांसप्लांट किया। सूत्रों के अनुसार जोधपुर निवासी वृद्धा के किडनी ट्रांसप्लांट किया है, ट्रांसप्लांट के बाद महिला के आरंभिक रिपोर्ट में किडनी का ट्रांसप्लांट सफल रहा है। एम्स से मिली जानकारी के अनुसार शनिवार को भी एम्स जोधपुर व लखनऊ के चिकित्सकों की टीम किडनी ट्रांसप्लांट करेंगी।

तकनीक: देश के गिने-चुने संस्थानों में होता है ऐसा ऑपरेशन

एम्स में एनाटॉमी के उलट जाकर रिवर्स शोल्डर रिप्लेसमेंट तकनीक से ऑपरेशन

डॉ. गहलोत ने दो रोगियों में कंधे के जोड़ का सफल रिवर्स शोल्डर रिप्लेसमेंट किया

जोधपुर @ पत्रिका. एम्स जोधपुर में अब कंधे के जोड़ का रिवर्स शोल्डर रिप्लेसमेंट भी होने लगा है। इस तकनीक का उपयोग अभी देश के गिने चुने संस्थान ही कर रहे हैं, जिनमें अब एम्स जोधपुर का नाम भी शुमार हो चुका है। जोधपुर जिले का यह अपनी तरह का पहला ऑपरेशन है। एम्स जोधपुर अधीक्षक प्रो. डॉ. एम के गर्ग ने बताया कि हाल ही में ऑर्थोपेडिक्स विभाग के एसोसिएट प्रोफेसर डॉ. नितेश गहलोत ने दो रोगियों में कंधे के जोड़ का सफल रिवर्स शोल्डर रिप्लेसमेंट किया है। कंधा एवं घुटना जोड़ विशेषज्ञ डॉ गहलोत ने बताया कि इस नवीनतम तकनीक से एक 38 वर्षीय युवक एवं एक 64 वर्षीय वृद्धा को सर्जरी से ठीक किया गया



है। ये रोगी पूर्व में हाथ उठाने, अपने नित्यकर्म में इस हाथ का उपयोग करने एवं यहां तक की अपने कपड़े पहनने में भी बेहद दर्द का अनुभव कर रहे थे या असमर्थ थे। इन दोनो में अब कंधे के सभी प्रकार के एक्शन बिना पीड़ा के पूरी तरह संभव हो गए हैं।

इसलिए कहते हैं रिवर्स...

प्राकृतिक रूप से बांह की हड्डी में बॉल होती है जो पीठ में स्थित स्केपुला हड्डी के सोकेट में फिट होती है। सामान्य प्रत्यारोपण विधि में कृत्रिम बॉल को बांह की हड्डी में और कृत्रिम सोकेट को स्केपुला में प्रत्यारोपित कर दिया जाता है। परंतु अनेक रोगियों में इस विधि से हाथ का मूवमेंट पूरा नहीं हो पाता है, विशेष रूप से उन रोगियों में जिनके कंधे के जोड़ को स्थाई रखने वाली मांसपेशियां एवं टेंडन बुरी तरह से टूट-फूट गए हो। ऐसे रोगियों के लिए एम्स में नवीन तकनीक का उपयोग कर, रिवर्स शोल्डर रिप्लेसमेंट किया जा रहा है, जिसमें कृत्रिम सोकेट को बांह की हड्डी में और कृत्रिम बॉल को स्केपुला में प्रत्यारोपित कर दिया जाता है, यानि एनॉटॉमी ही उलट दी जाती है। डॉ. नितेश गहलोत ने इस तरह की जटिल सर्जरी के लिए प्रोत्साहित करने एवं सुविधाएं जुटाने के लिए संस्थान के निदेशक प्रो. डॉ. संजीव मिश्रा और अपने विभागाध्यक्ष प्रो. अभय एलहेंस का विशेष आभार जताया।