



All India Institute of Medical Sciences Jodhpur

Admn/Prop/15/2022-AIIMS.JDH

Dated: 1st June 2022

Subject: Purchase of ROBIO-EX for PET-CT for the Department of Nuclear Medicine at AIIMS, Jodhpur on proprietary basis - **Inviting comments thereon.**

The Institute is in the purchase of ROBIO-EX for PET-CT for the Department of Nuclear Medicine at AIIMS, Jodhpur from M/s Perfint Healthcare Pvt. Ltd., Door No. II/7, 10th Street, Dr. VSI Estate, Thiruvanmiyur, Chennai- 600041, India on proprietary basis. The proposal submitted by M/s Perfint Healthcare Pvt. Ltd., Chennai and PAC certification by user are attached.

The above document are being uploaded for open information to submit objection, comments, if any from any manufacturer regarding proprietary nature of the equipment within 21days of issue giving reference Admn/Prop/15/2022-AIIMS.JDH. The comments should be received by office of Deputy Director (Admin), Medical College at AIIMS, Jodhpur on 21st June 2022 upto 03:00 PM failing which it will be presumed that any other vendor is having no comment to offer and case will be decided on merits.

Yours faithfully,

Deputy Director (Admin)

Enclosed: Related documents enclosed.



All India Institute of Medical Sciences Jodhpur



Proprietary Article Certificate

ROBIO-EX™ – Advanced Robotic Targeting System for PET-CT Guided Procedures, manufactured by Perfint Healthcare Pvt Ltd involves proprietary planning and robotic navigation technology, the patents for which are detailed below. The product provides the user with a Trajectory Planning software with an integrated Robotic navigation system to execute the plan. It's used to plan and place a straight, needle like rigid instrument during CT /PET-CT guided interventions like Biopsy, Paincare, etc - without the need for additional fluoroscopic monitoring or external tracking.

To the best of our knowledge, ours is the only such technology with the features mentioned above and Perfint Healthcare Pvt Ltd is the only manufacturer of such a commercially available system that offers this feature.

The following components/ parts/ accessories are also proprietary products of the **Perfint Healthcare Pvt Ltd** and are essential for the system to function and no third-party substitute exists.

- Trajectory Planning Software
- Positioning software to convert the treatment plan to placement coordinates
- Placement Sequencing and Collision avoidance software
- Robotic arm motion control software
- Robotic positioning device
- Robot Mobility mechanism
- Docking system for the robotic device
- 4 Linear (X1, X2, Y, Z) and 2 rotary positioning arms
- Gear box used in all the axes
- Power distributor & Interface Management boards
- Drivers for the all the axes
- Instrument gripper (end effector)
- Disposables used in advancement and holding of instruments

We hold the following patents issued by the United States Patent and Trademark office.

1. US 8,401,620 B2 – NEEDLE POSITIONING APPARATUS AND METHOD
(Positioning system for all products)
2. US 8,613,748 B2 - APPARATUS AND METHOD FOR STABILIZING THE NEEDLE
(2 Disposables one for holding the needle after placement and the other for assisting in holding the needle guide for insertion)
3. US 8,774,901 B2 - NEEDLE POSITIONING APPARATUS AND METHOD
(Workflow and method for using a mobile positioning system for intervention outside the CT imaging field)
4. US 8,958,913 B2 - ELECTRONIC DOCKING SYSTEM AND METHOD FOR ROBOTIC POSITIONING SYSTEM (Motorized docking and use of sensors for docking – no obstruction in the floor)
5. INDIA 278179 - NEEDLE POSITIONING APPARATUS AND METHOD
(Positioning system for all products)

Nandakumar S
Chief Executive Officer
Date:03-02-2022

Perfint Healthcare Pvt. Ltd.

CIN: U51507TN2005PTC065950

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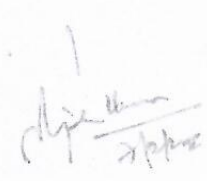
DEPARTMENT OF NUCLEAR MEDICINE

EQUIPMENT: ROBIO-EX for PET-CT

Specifications:

1. The system should be a Trajectory Plan Controlled Robotic Navigation System to perform PET- CT Guided Biopsy Procedures.
2. The Robotic Navigation System should be CE/FDA cleared.
3. The system should be able to work with DICOM images.
4. The system should have the facility to create a trajectory plan for placement of interventional instruments.
5. The system should be able to drive an integrated robotic arm to automatically align an instrument guide for advancement of an instrument by the physician as planned above – without the need for additional external feedback from tracking devices or fluoroscopy
6. The system should have a facility to overlay post placement images with plan.
7. The system should have a comprehensive reporting package with an ability to automatically document all key parameters and selected procedure images.
8. The system would be supplied with a patient immobiliser to minimise patient movement.
9. The system would be supplied with a compatible Breath-Hold Management Solution.
10. The manufacturer should provide consumables (needle blushes, guides, gauge, needle sterilizer, etc) for 100 Biopsy Procedures.
11. The manufacturer should commit to replace or upgrade this system to an advanced solution to perform multi electrode, multi tumor ablation procedures in the future, at additional cost.
12. The Planning and Robotic Navigation Systems should be supplied with 5 years comprehensive warranty and 5 years CMC after end of warranty period.
13. Onsite technical training and service support to be provided for at least 15 procedures or till the user satisfaction to perform independently covering various types following installation of the equipment.
14. At least 3 units of the quoted Robotic navigation system should have been working satisfactorily for at least one year in a reputed public institution in India.
15. The price of consumable (needle blushes, guides, gauge, needle sterilizer) be freezed for next 5 years.


DR. C.S. BAL
PROFESSOR & HEAD
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Pooja
17/5/22