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S L Raheja Hospital unveils AI-enabled digital PET CT, 3T-MRI and advanced NICU-PICU units

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New facilities mark a significant leap in pediatric, critical care and advanced diagnostics



S.L. Raheja Hospital, a Fortis Associate, has strengthened its commitment to delivering state-of-the-art diagnostic care with the launch of artificial intelligence (AI)-enabled Digital Positron Emission Tomography – Computed Tomography (Digital PET CT) scan and 3 Tesla Magnetic Resonance Imaging (3T-MRI) services.

These additions mark a milestone in the hospital's journey toward providing precision-driven diagnostics and critical paediatric care in Mumbai.

This is the second digital PET CT scan facility of its kind in Mumbai, bringing world-class imaging capabilities closer to patients. In addition, the hospital introduced advanced Neonatal Intensive Care Unit (NICU) and Pediatric Intensive Care Unit (PICU) services to further enhance critical care for infants and children.

The AI-enabled PET CT and MRI facilities, will be headed by Dr Mary Anne Joseph, Head-Nuclear Imaging and Dr Sanjay Bhatia, Consultant-Dept. of Radiology, respectively. The new digital PET CT delivers enhanced resolution, faster imaging time, and improved patient comfort. It is equipped with AI-enabled software to provide better precision in identifying lesions. This technology is used for cancer, neurology, infection, inflammation, and cardiology—for diagnosis, staging, and assessment of treatment response.

The state-of-the-art 3 Tesla MRI machine is AI-enabled and will produce sharper more detailed high-resolution images. It has a stronger magnet that allows for faster scans, which reduces patient time in the machine and improves workflow, and comes with enhanced precision which helps in early diagnosis and more accurate treatment planning.

The NICU houses seven beds, and is fully equipped with high-frequency ventilators, continuous positive airway pressure (CPAP) units, LED phototherapy systems, and medical-grade sterilisers. The PICU consists of four beds, with one dedicated isolation bed for immunocompromised or infectious cases, ensuring maximum protection and personalised care.