

DEPARTMENT OF RADIOLOGY SERVICES





Department of Radiology & Imaging

The Radiology and Imaging Services Department, is responsible for providing a wide range of diagnostic and therapeutic imaging services to aid in the diagnosis and treatment of various medical conditions. The key aspects of our Radiology and Imaging Services Department are described as below

Personnel

We have a team of experienced consultant radiologists under the able leadership of Dr. K.G. Srinivasan who is a well respected and renowned authority in all aspects of radio diagnosis. We also have other two full time Radiologists, Dr. Gowtham and Dr. Kamalarathinam who are specialized in doing and interpreting all radiological investigations including therapeutic interventions and give immediate results about the diagnosis and guide treatment.

We have a full team of Radiologic Technologists who are well versed in operating all imaging equipment such as X-ray machines, CT scanners, MRI machines, and ultrasound devices. They also ensure patient safety and comfort during imaging procedures. We also have special Radiology Nurses who assist with certain procedures and provide care to patients undergoing imaging studies.

Imaging Modalities

The department offers a variety of imaging modalities, including

X-ray:

Used for detecting fractures, lung conditions, and other bone and tissue abnormalities.

Computed Tomography

CT:

Provides detailed cross-sectional images of the body, helpful for diagnosing a wide range of conditions.

Magnetic Resonance Imaging (MRI):

Our MRI services are outsourced and patients requiring MRI are transported and escorted by our Team of qualified staff and results of the study are immediately provided to aid in speedy diagnosis and treatment.

Ultrasound: Ultrasound imaging services are offered round the clock by radiologists and clinicians trained in doing and interpreting clinical ultrasound. In addition we also have POCUS devices in all clinical areas like ER, ICU, OT etc for FAST assessments and also for doing interventions like aspirations and nerve blocks etc.

Fluoroscopy: Real-time X-ray imaging used for operative and interventional procedures like catheter placements.



Equipment

State-of-the-art imaging equipment is maintained and regularly upgraded to ensure accurate and high-quality images. These machines are operated by skilled technologists who follow strict safety protocols to minimize radiation exposure.

Patient Care

Patient comfort and safety are top priorities. Radiologic technologists explain procedures, ensure proper positioning, and monitor patients during imaging studies.

Pediatric and geriatric patients are given special attention and adjustments to imaging protocols.

Interventional Radiology

Our interventional radiologists also perform minimally invasive procedures, such as angiography, biopsies, and catheter-based treatments like Vascular and Biliary stenting etc. We also undertake life saving Neurovascular interventions like Aneurysm coiling for ruptured aneurysms etc thereby avoiding major Neurosugeries which helps in speedier patient recovery.

Emergency and Trauma Imaging

The department plays a crucial role in emergency care by providing rapid diagnostic imaging for trauma patients.

Quality Control and Safety:

Stringent quality control measures are in place to ensure the accuracy and safety of imaging equipment.

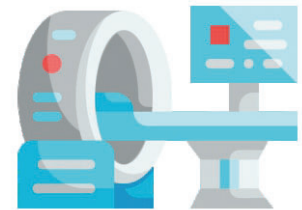
Radiation safety protocols are strictly adhered to, and patient exposure to ionizing radiation is kept as low as reasonably achievable.

Electronic Health Records (EHR)

Patient information and images are integrated into the hospital's EHR system for easy access by healthcare providers.


Collaboration

The Radiology Department collaborates closely with other departments, such as surgery, oncology, and cardiology, to provide comprehensive care.






ADVANCED MRI & CT


 **PREETHI HOSPITALS**

MRI

1.5T | 16 CHANNEL



- HIGH-FIELD STRENGTH (1.5 TESLA) FOR EXCEPTIONAL IMAGE QUALITY
- ADVANCED MAGNETIC FIELD HOMOGENEITY
- FAST SCANNING TIMES (AVERAGE 15-30 MINUTES)
- WIDE BORE (70 CM) FOR PATIENT COMFORT
- COMPATIBLE WITH VARIOUS COILS (E.G., HEAD, SPINE, BODY)

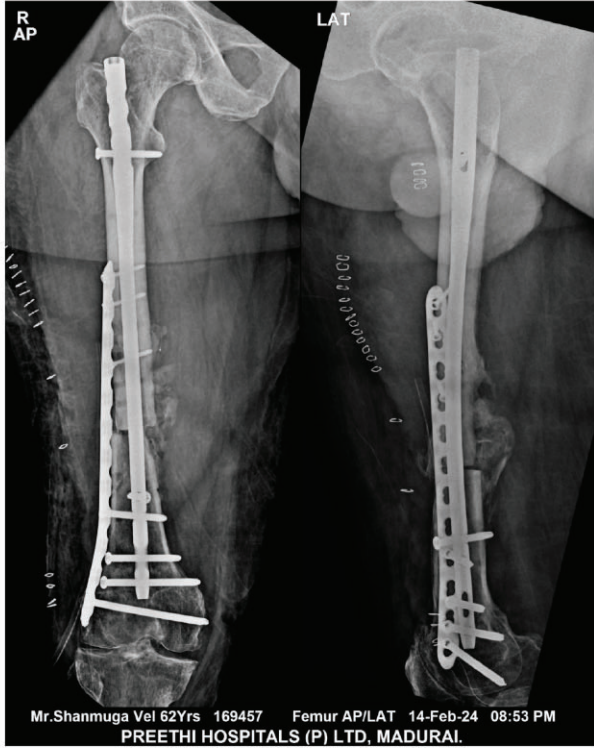
 **PREETHI HOSPITALS**

CT

80 SLICE



- HIGH-SLICE COUNT (80 SLICES PER ROTATION)
- FAST SCANNING TIMES (AVERAGE 5-10 SECONDS)
- LOW-DOSE TECHNOLOGY FOR REDUCED RADIATION EXPOSURE
- ADVANCED RECONSTRUCTION ALGORITHMS
- WIDE DETECTOR COVERAGE (40 MM)





ADVANCED IMAGING TECHNOLOGY

