

P. D. HINDUJA HOSPITAL  
& MEDICAL RESEARCH CENTRE

# Department of Imaging

State-of-the-art Technology



The Imaging department at P. D. Hinduja Hospital & Medical Research Center has one of the finest and most modern setup in the country. It is well-equipped with state-of-the-art technology along with an expert ensemble of nationally and internationally acclaimed doctors and support staff who are academically qualified and trained specifically for radiology department.

The department is the most important tertiary referral hub for radiology for almost all the specialties including, neurology, gastroenterology, gynecology, chest, musculoskeletal to name a few.

The infrastructure, technology and human expertise of the department makes it a comfortable and specified center of imaging services for patients across all age groups i.e. from pediatrics to geriatrics

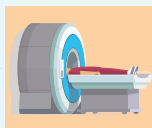
### Services:

The department offers services in two broad categories:

- **Diagnostic Radiology**
- **Interventional Radiology**

#### Diagnostic Radiology:

- MRI (Magnetic Resonance Imaging)
- CT scan (Computerised Tomography scan)
- Mammography (Digital)
- Bone Densitometry
- Color Doppler
- Fluoroscopy
- Ultrasound
- Digital X-ray



#### Interventional Radiology:

Almost all diseases of blood vessels can be treated with Interventional Radiology. Combining the most modern technology and expert personnel, we are now equipped to deliver the latest and the best to all our patients.

- This includes angiography, angioplasty, stenting, etc. performed by doctors
- The procedures are performed in the areas of Gynaecology, Hepatobiliary (Non-vascular and vascular) Non-surgical Treatment for Infertility, Peripheral arterial disease (PAD), Pulmonary & Chest, Renal (Vascular & Non-vascular) Interventional procedures
- Transcatheter Arterial Chemoembolization of Hepatocellular Carcinoma
- Vertebroplasty for painful fractured vertebra

## Technology & Infrastructure:

For better and quick access, most of the radiology department is housed within Hospital IPD building with 1st floor being dedicated to various imaging services. For the ease of OPD patients, there is also a small unit set on the 1st floor of the OPD building.

The radiology department at P.D.Hinduja Hospital was the 1st to install PACS (Picture Archiving and Communication System) in India, which again ensures quicker and better access to reports by all the consultants involved in the case and thus helps in faster diagnosis and treatment.

### State-of-the-art cutting edge technology

- MRI: Mumbai's 1st Digital Broad Band MRI Suites with ambient themes, which gives best patient experience.

Two machines: 3 Tesla & 1.5 Tesla.

- Faster Scanning, Better Accuracy
- Wide Bore, Lesser Repositioning
- Reduced Acoustic Noise, Less Claustrophobic



### • CT Scan:

The 64-slice Multi-detector CT scan Machine (MDCT) at P.D.Hinduja National Hospital & Medical Research Centre provides coverage, speed, power and resolution, which enables physicians to capture images of the body in few seconds; something which no other CT system can offer.

#### Special Features

- Non-Invasive evaluation of blood vessels (angiographies), both peripheral & coronary arteries.
- Coronary CT Angiography in 15 mins.
- Full body CT in few minutes with sub-millimeter resolution.
- All the 3 critical causes of acute chest pain, namely Coronary Artery Disease, Pulmonary Embolism and Aortic Dissection, can be ruled out in a single non invasive procedure.
- Rapid examination of blood vessels in the brain including perfusion studies enabling the doctors to make a quick diagnosis of stroke and extent of damage.
- High-resolution fast imaging of any body region with exquisite multi-planar reconstructions.
- Excellent 3-D reconstruction of bones and other structures showing detailed anatomy, free of artefacts.
- Option of 3-D virtual scopy in various parts such as virtual colonoscopy, bronchoscopy & laryngoscopy.



### • Mammography:

The department has a Digital Mammography machine which offers 3D imaging digital mammography with seratotactic breast biopsy which leads to diagnosis of minutest lesions too.

The unique features:

- A dedicated state-of-the-art technology
- Low dose of radiation, high resolution with superior image quality, AEC (Automatic Exposure Control) and optimized.
- A dedicated prone biopsy table for stereotactic biopsy



### • Bone Densitometry:

DEXA (Dual-Energy X-ray Absorptiometry) unit gives assessment of bone density, fracture risk, metabolic health, and pediatric development.



### • Color Doppler

A dedicated peripheral vascular Doppler machine is a real boon to department of imaging. Colour Doppler is a useful and non-invasive screening tool.

This state-of-the-art equipment armed with multiple probes can do carotid, peripheral vascular, renal, small parts and gynecological Doppler studies.



### Other Facilities

- Fluoroscopy unit
- Ultrasound scanners including portable ultrasound scanners
- Portable Digital X-ray units
- PACS (Picture Archiving and Communication System)

For appointments: **Call - 022- 4510 8181 OR 022- 6766 8181**

Please note that the following tests are done on walk-in basis & do not require appointment:

**BMD/ DEXA Scan/ BFA: 9 am- 5 pm (Monday- Saturday)**

**X-ray: 7 am- 8 pm (Monday- Friday) | 7 am- 4 pm (Saturday)**

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