

DEPARTMENT OF RADIOLOGY

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ZYDUS HOSPITAL

Zydus Hospitals & Healthcare Research Pvt. Ltd. has launched the largest, most advanced, comprehensive and best multi-speciality hospital of Gujarat in Ahmedabad.

Zydus Hospitals have been established with a vision to be the leading provider in healthcare service delivery to the community and become the most preferred destination for comprehensive medical care and treatment.

On a mission to extend the world-class healthcare solutions to the community through advances in medical technology, medical research and best management practices, Zydus Hospital has all major medical specialities, investigative & diagnostics facility, rehabilitation & physical therapy care under one roof.



Zydus Hospital

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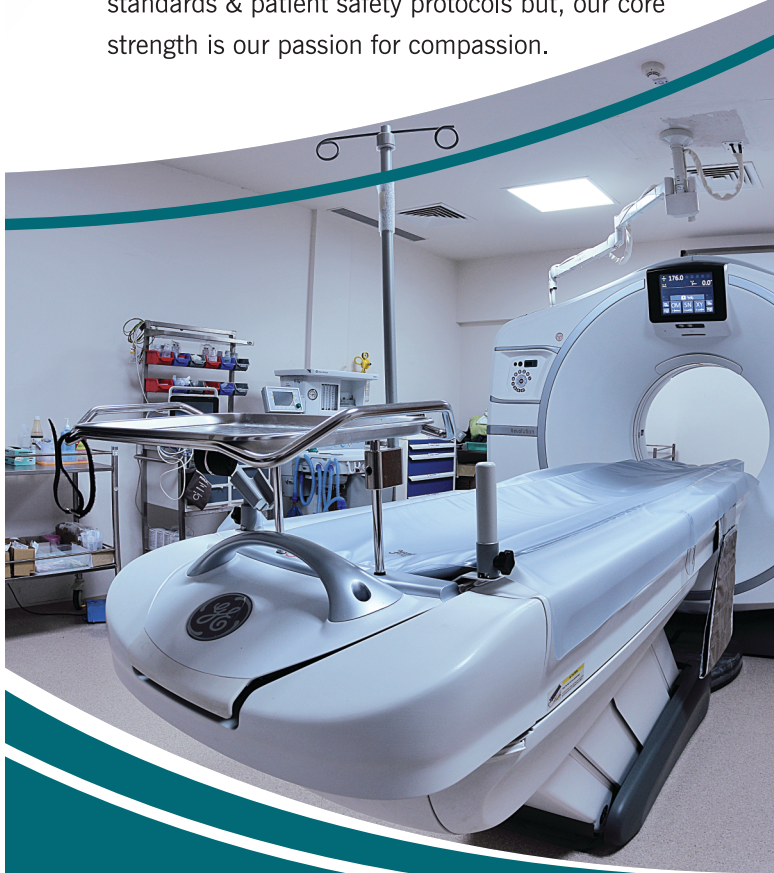
First in Asia
**Dual Energy 256 Slice
Gemstone Spectral
Imaging Technology**

First in Gujarat
**32 Channel
3.0 Tesla MRI**

The department of Radiology at Zydus Hospital, Ahmedabad is fully equipped to handle all complicated diagnostic procedures. Within a short span of time, the department has started delivering excellent diagnostic results ensuring fantastic clinical outcomes for the patients. Our team of experts, coupled with the latest technology in Radiology has given us a unique identity in Radiological diagnostic excellence.

The mission of the department is to provide Radiological care whenever needed and that too at an agreed, all inclusive package cost, while maintaining complete transparency.

We have most stringent quality care norms, clinical standards & patient safety protocols but, our core strength is our passion for compassion.



TECHNOLOGY USED

CT SCANNER

Gemstone Spectral Imaging Technology

(First of its kind in Asia)

- CT scan - dual energy, 256 slice CT Scan
- 4 beat cardiac scan
- CT Fluoroscopy for onco-diagnostics - shortens procedure time and reduces radiation
- Only one CT exposure required to derive iodine-based, fat-based and water-based images

Benefit to Patients:

- Enables the radiologists to detect the elements within each tumour. Just through one procedure we can detect whether the tumour is benign or malignant, thus minimising the need for a biopsy and the risk of radiation
- The 256-slice Computed Tomography (CT) system offers technology that is right for physicians in every clinical specialty and provides answers from one CT examination. The Revolution CT is able to address these challenges by freezing cardiac motion in one heartbeat, reducing metal artifacts, and offering the potential for sedation-free CT scanning. The system also offers benefits for sensitive patient groups such as paediatrics and those with renal insufficiency, trauma and stroke

MRI WITH DV 25 UPGRADE

The most advanced silent magnetic resonance imaging (MRI) technology with 32 channels

(First in Gujarat)

Benefit to Patients:

- Its full 3.0 Tesla magnet and 70 cm bore work together to generate extraordinary image quality without compromises. The result for clinicians is new levels of diagnostic performance
- Patients benefit from a more comfortable scan experience. Beyond the widened bore and soft, flexible coils, the table surface has been completely redesigned to help alleviate pressure points for a more relaxing examination

- Whole body silent scan (sound level at 80 dB instead of 120 dB)
- Silent Diffusion and cube double inversion recovery to detect multiple sclerosis, any white matter diseases via neuro imaging
- MAVRIC SLT1 for implant artifacts reduction
- Propeller suite
- TURBO LAVA for abdomen imaging
- TURBO BRAVO for breast imaging
- Considerable reduction in time for MSK imaging

BMD MACHINE

Bone Mineral Density machine with a fan beam X-Ray is capable of advanced diagnostics such as:

- Dual energy vertebral assessment
- Advanced hip assessment
- Total body composition

DIGITAL X-RAY

- Digital X-Ray with a single detector is capable of increasing the throughput by 3 times as compared to an analog X-Ray

Benefit to Patients:

- Radiation dose is 58% lower with DRF

MAMMOGRAPHY MACHINE

- The analog machine for mammography has two buckets so, different sizes of the specimen can be accommodated

VIDEO EEG

- 32 Channel EEG (a world acclaimed product) is used for diagnostic EEG, Epilepsy monitoring, long-term video EEG and brain disorders

4D ECHO & GENERAL ULTRASOUND

(First in Ahmedabad)

- Live 4D applications for any part of the anatomy
- Single probe solutions for 2D, 3D and 4D
- Live 4D echocardiography