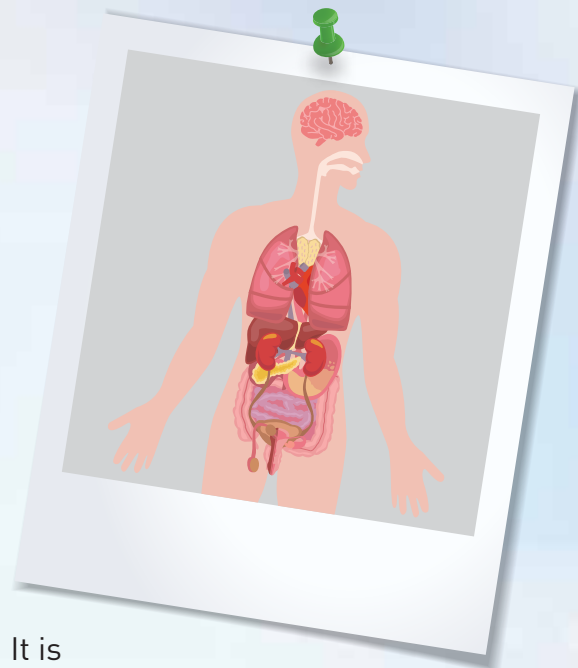


ADVANCED APPLICATIONS

CUTTING-EDGE TECHNOLOGY FOR ACCELERATED CLINICAL DECISION MAKING AND OPTIMISED PATIENT CARE

The 640 Slice CT represents the latest in medical technology possessing enhanced diagnostic capabilities, with unrivalled visualization of the heart and other vital organs, providing doctors with every single detail needed to make a precise diagnosis with confidence in minimal time.

In essence, its capability is 'imaging the entire heart in less than one-third of a second and quick enough to take an image in between two heart beats! It is extremely easy to manoeuvre and covers the whole heart in one rotation, which also makes it feasible for cardiac perfusion studies. The coronary CT and entire aortogram can be done together as well.



SAFE AND SUITABLE FOR ALL PATIENTS

One of the most important benefits this machine provides is the significantly lower radiation exposure to patients, primarily due to the speed at which it works. The use of contrast injection (dye) is also reduced because of the superior technology that delivers sharper images.

All these makes the new 640 CT efficient and safer for children, aged patients, patients with artificial implants like pacemakers, metal heart valves, orthopaedic joints etc.



SCANNING APPLICATIONS

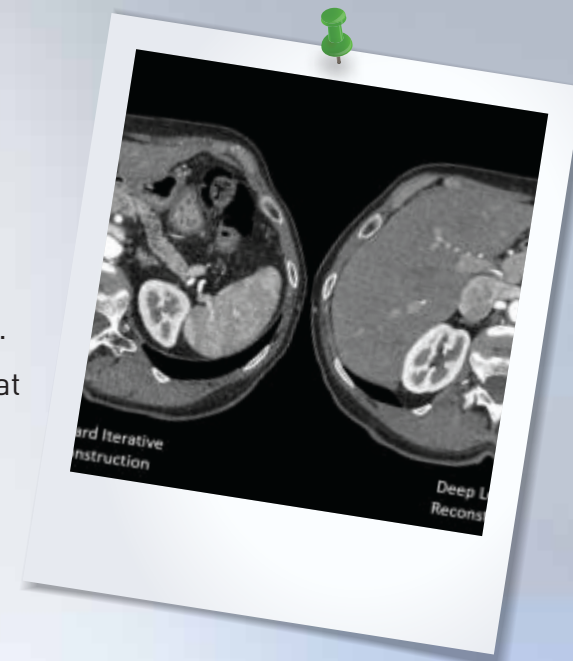
The 640 Slice CT has a wider range when it comes to application in various medical specialities including Cardiology, Neurology, Oncology, Gastroenterology, and Paediatrics.

The scanner identifies diseases like cancer at a very early stage due to the accuracy it provides, thus providing ground for better treatment outcomes for the patient. Also, abdominal, neck, brain and lower extremity angiograms can be done rapidly with the 4 D DSA with more precision, contrast and less radiation.

One rotation is all it takes to image an entire organ, a baby's chest or a whole foot. One rotation takes less than one second, decreases radiation exposure and eliminates movement artifacts especially in children and older patients who find it difficult to lie still for longer durations.

Trauma patients can be thoroughly examined in a single scan, quickly and effectively as the scanner enables enhanced diagnosis of soft tissues and bones. Extremities can be scanned without the patient having to lie on the scanner, by making the patient sit at the back of the gantry and placing their limb into the bore.

Usually metallic prostheses of the patients will result in artifacts in the scan. The 640-slice CT scanner's technology will smooth out artifacts from metallic prostheses providing precise images for the radiologist to elucidate.



APOLLO HEART CENTRE

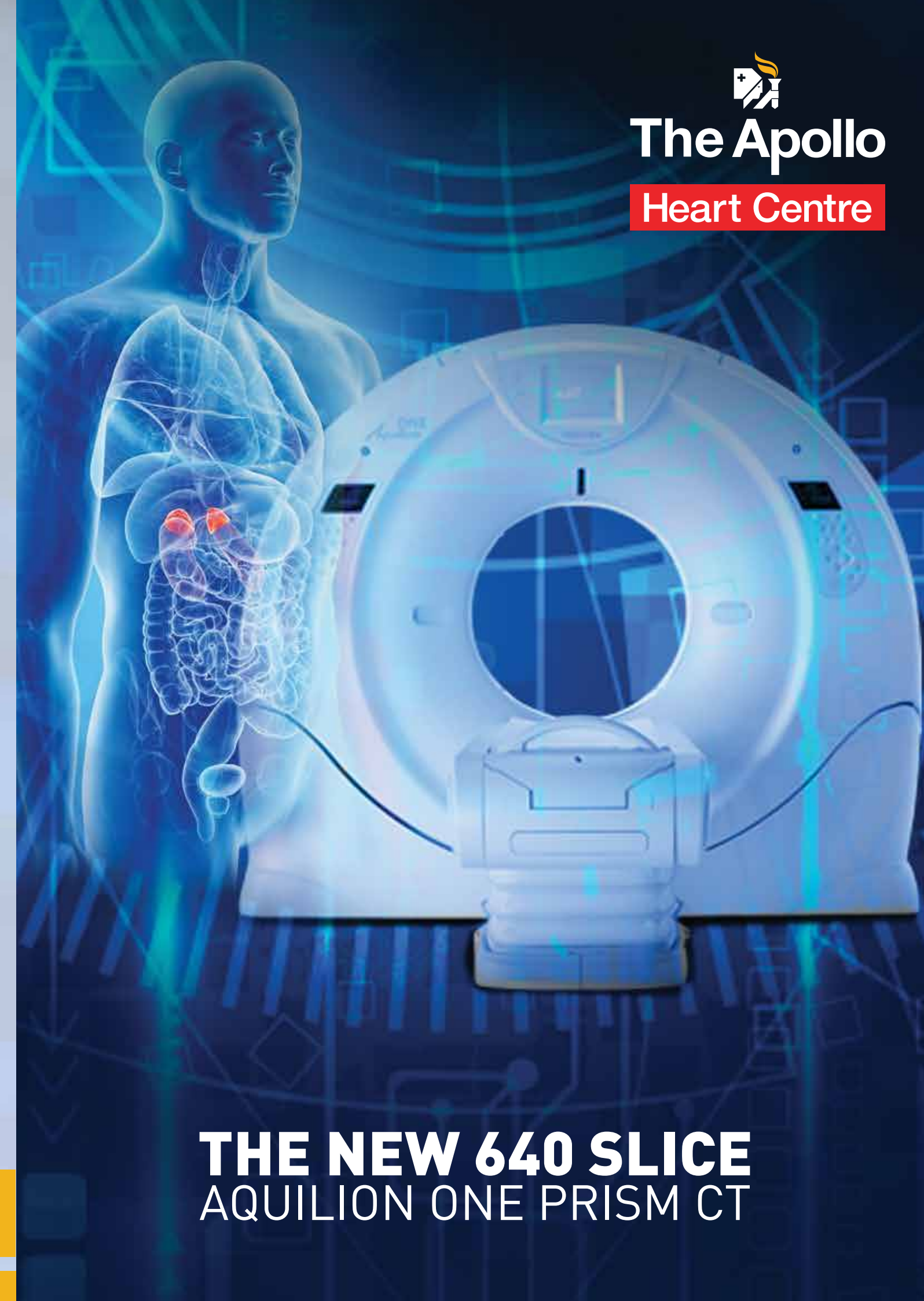
156, Greaves Road, Thousand Lights, Chennai - 600 006.

TO KNOW MORE

☎ 97898 52203, 044 4040 1066, 044 2829 6900, 044 2829 6933



The Apollo
Heart Centre



THE NEW 640 SLICE
AQUILION ONE PRISM CT

APOLLO HOSPITALS PRESENTS INDIA'S FIRST 640 SLICE CT SCANNER

ULTRA-FAST SCAN TIME | LESS RADIATION |
ENHANCED SAFETY | SUPERIOR 3D IMAGING

The new 640-slice CT scanner is the ultimate testament to the application of modern science in medical care. It has emerged as the most powerful tool in diagnosing cardiovascular diseases, the cause of one in four deaths due to non-communicable diseases worldwide. It opens an all-new paradigm in non-invasive cardiology assessment with one-stop cardiac examination of heart function, cardiac blood supply, and heart muscle function.

The 640-slice CT scanner at Apollo Hospitals, the first in India and the most precise scanner yet, providing enhanced diagnosis in the fields of Neurology, Oncology, Gastroenterology and Pediatrics with safety, speed and precision.

The doctors at the helm of the imaging centre at Apollo Hospitals, are experts with years of practice and expertise and have an eye for detail when it comes to diagnosing a large spectrum of diseases. The new 640 CT is the most potent weapon in the arsenal of the healthcare warriors.

In short it is not just about cutting-edge technology, but about using technology to optimise patient care through accelerated clinical decision-making for accurate diagnosis and treatment planning.



FOR A SAFE AND COMFORTABLE SCANNING EXPERIENCE AND
ACCURATE DIAGNOSIS BY OUR EXPERT RADIOLOGISTS

THE 640 SLICE ADVANTAGES

TO THE DOCTOR

**ENHANCE
DIAGNOSTIC POWER**
increased precision
with accuracy

INCREASED SPEED
captures the image
of the organs in a
fraction of a second

**FASTEST
EXAMINATION TIME**
enables complete
and quick diagnosis

**SHARPER,
SMOOTHER IMAGES**
superior 3-dimensional
images of organs

TO THE PATIENT

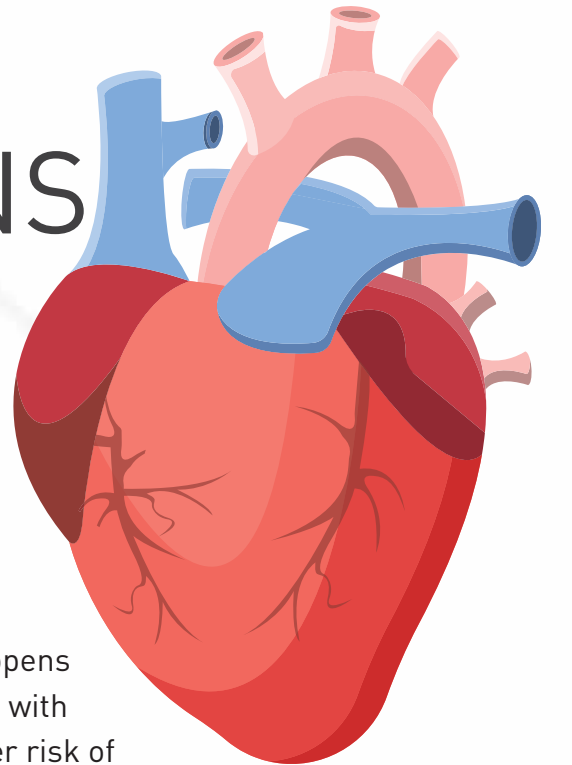
**SIGNIFICANTLY
LOWER RADIATION**
enhanced safety

**ULTRAFAST
SCAN TIME**
higher comfort

**NON-INVASIVE
ASSESSMENT**
painless

**WIDER BORE,
WIDER APPLICABILITY**
for larger patients,
patients with pacemakers and
metal heart valves, and those who
are claustrophobic.

CARDIAC APPLICATIONS



NON-INVASIVE DIAGNOSIS FOR DETECTION OF HEART DISEASES

With the latest advances in medical technology, we are now in an era of non-invasive diagnosis and minimally invasive treatments for heart diseases. The 640 Slice CT Scan provides advanced non-invasive solutions to evaluate and diagnose cardiac disorders with accuracy. This opens up a wider range of treatment options for patients with moderate to advanced heart diseases with a higher risk of heart attack, and also provides a head-start for preventive therapy and management for patients in the early stages of a heart disease.

DIAGNOSING CORONARY ARTERY DISEASE IN OVERWEIGHT PATIENTS

A unique feature of the 640 Slice CT Scan is its large, wide bore that allows it to accommodate patients up to 315 kg of bodyweight, who may not fit in conventional scanners. This feature enables diagnostic scanning for early detection of CAD in this high-risk patient population, enabling them to save time and avoid unwanted medical expenses.

DIAGNOSING CALCIUM BUILD UP

The Aquilion 640 Slice Scanner can be used to determine a calcium build-up on the walls of the arteries of the heart. Patients can start preventive therapies if they have deposits in the arteries, which, if untreated, could lead to growing blockages and heart attack.

NON-INVASIVE POST CARDIAC OPERATIVE MONITORING

The technology is really handy for doctors to perform routine checks, post cardiac surgeries to assess the accurate status of coronary stents and bypass grafts. Being a non-invasive procedure, it is safe, painless, quick and causes least discomfort to the patient.