HITACHI
Inspire the Next

Supria 16ch/32slice

OPEN & COMPACT LOW DOSE CT

A NEW STANDARD CT

Find the CT that meets your ideals.

Open access and compact design,
with the latest technologies.
Discover the new supria CT system,
to answer your future needs.

In front-line medical practice, the need for faster and more accurate diagnosis is increasing every day. In one compact CT, Supria is designed to meet the demands of a range of routine applications, combining accurate results and ease of use without compromise. Supria CT is your answer to take off to the next clinical and technological level.

Supria *16ch/32slice*
OPEN & COMPACT LOW DOSE CT

Open & Compact
75 cm wide gantry bore with compact footprint.

Low Dose
State-of-the-art technologies for low dose are integrated as standard.

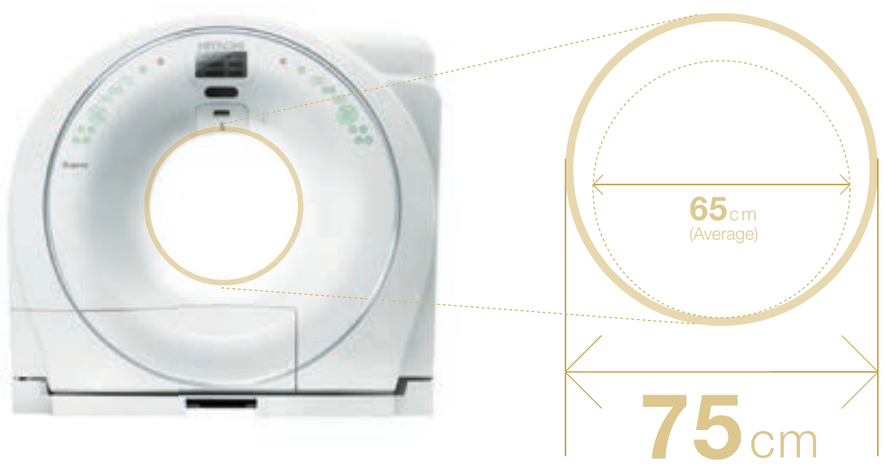
Easy Operation
Intuitive GUI design with 24-inch monitor.

High Performance
Newest technologies for high image quality.

OPEN & COMPACT

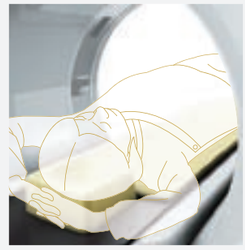
Open & Compact

The gantry bore, the largest in its class, eases patient anxiety. The compact design achieves a small footprint. A CT system reconciling two conflicting merits – that is Supria.



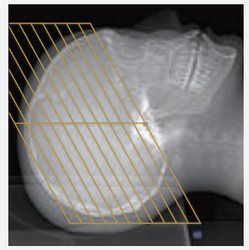
OPEN

Supria's bore size and compactness are one of the best among 16ch/32slice CTs. Easy and spacious even when the patient's arms are raised.



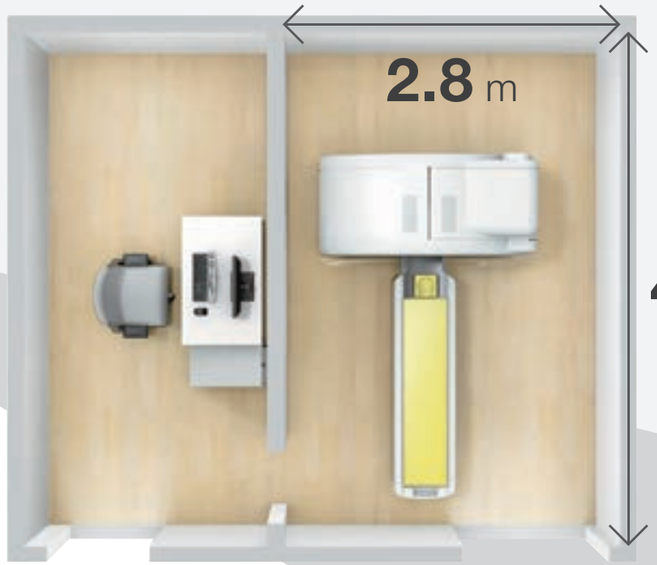
TILT ± 30°

With gantry tilting, the artefacts from teeth fillings and dose to the lens of the eyes are reduced. Easy positioning with an open gantry is achieved.



COMPACT

Only 3 system modules of gantry, patient table, and operator console. No system transformer or other units are necessary in the operator and CT room.



Standard Layout

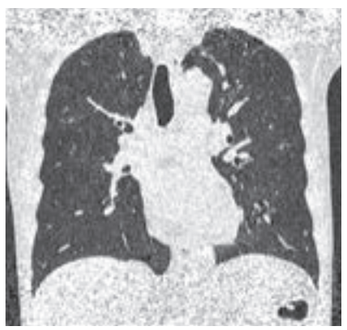
PATIENT FRIENDLY

Intelli IP

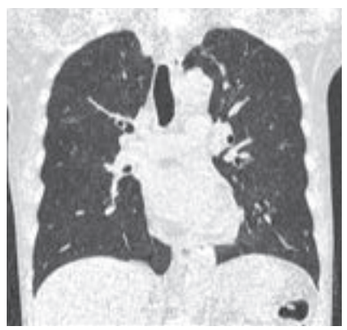
Intelli IP is a dose reduction function that applies iterative reconstruction technology to reduce noise and produce high quality images. It achieves both low dose and high image quality through a reduction of image noise and artefacts. For maximum operational flexibility, we provide 7 levels of noise reduction. Now with the new Intelli IP Quick noise reduction function, we significantly reduce both, dose as well as respective noise while maintaining fast image reconstruction time.

- **Dose Reduction**
- **Image Noise Reduction**
- **Artefact Reduction**

Intelli IP
CT imaging revolution



FBP (Filtered Backprojection)

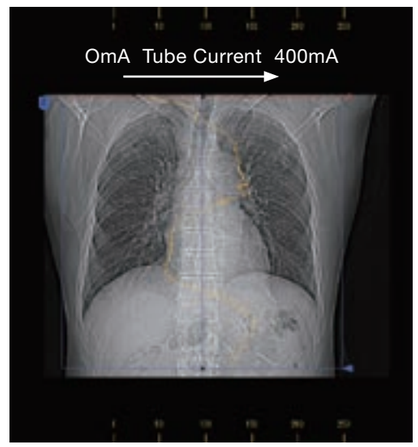


Intelli IP Quick

Automatic 3D mA modulation for dose optimization

Intelli EC

The tube current is optimized in 3D (X-Y-Z) based on information on patient size obtained from the scanogram and preset target SD (Standard Deviation). This produces images with a constant noise level regardless of the region scanned and enables a trade-off of image quality and exposure to be taken into consideration.

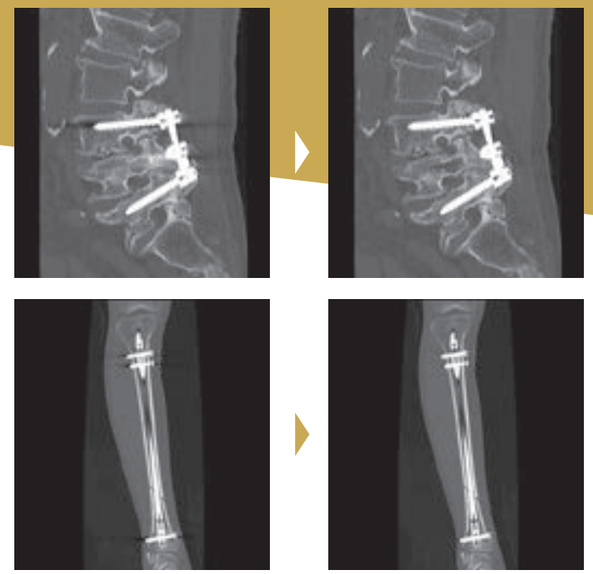


Tube current changes automatically

HIGH PERFORMANCE

HiMAR

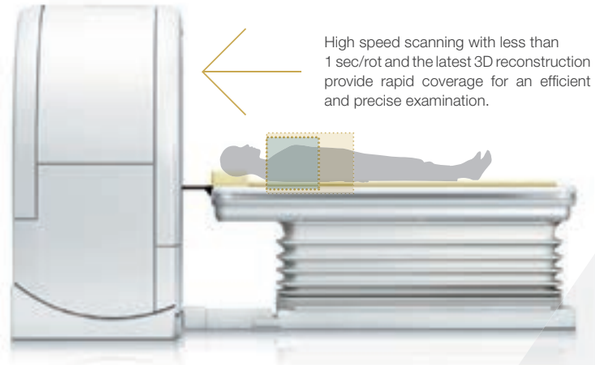
HiMAR (High Quality Metal Artefact Reduction) is a unique Hitachi algorithm that reduces artefacts while maintaining a clear view of the surrounding tissue.



OFF ON

High Performance

Fast scan rotation, submillimeter slice thickness, high powered generator, and an advanced image reconstruction algorithm. Supria[16ch/32slice] achieves high resolution and high throughput.



CORE Method

Hitachi's unique 3D reconstruction algorithm ensures high image quality with fewer artefacts even with high-pitch scanning.

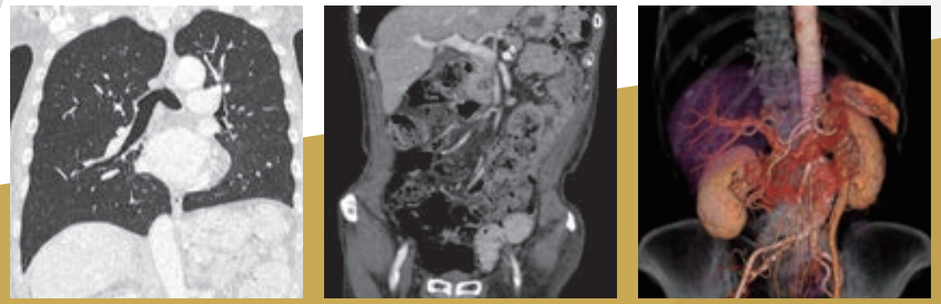
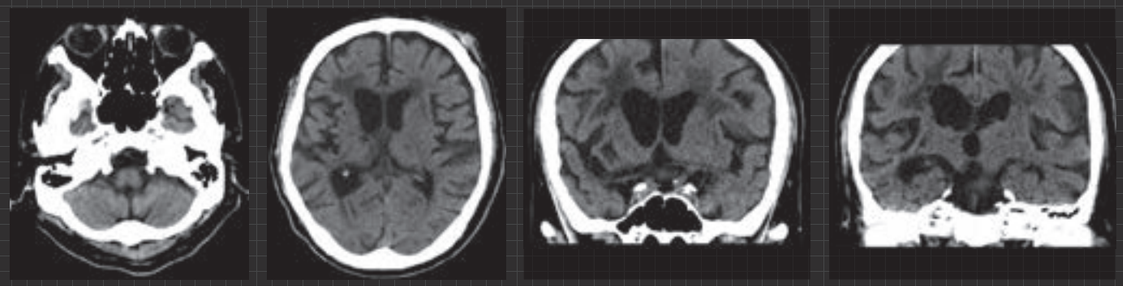
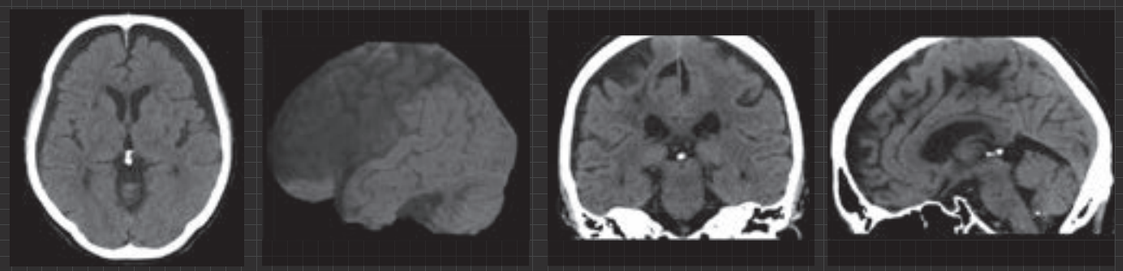


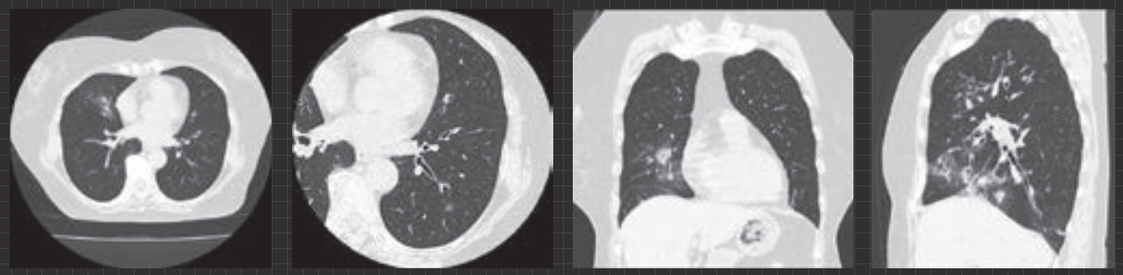
Image Gallery



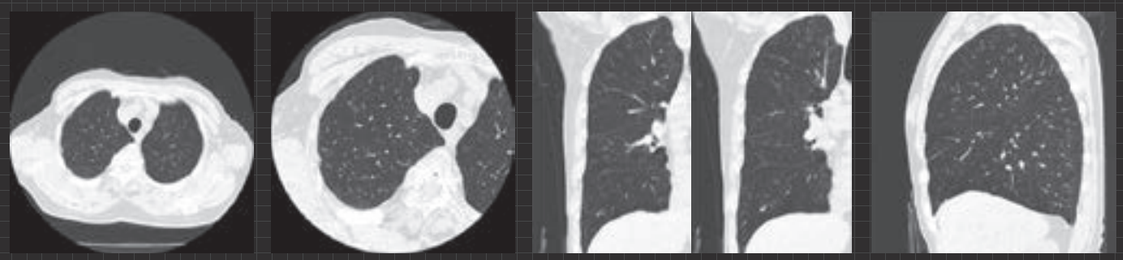
Cerebral Infarction



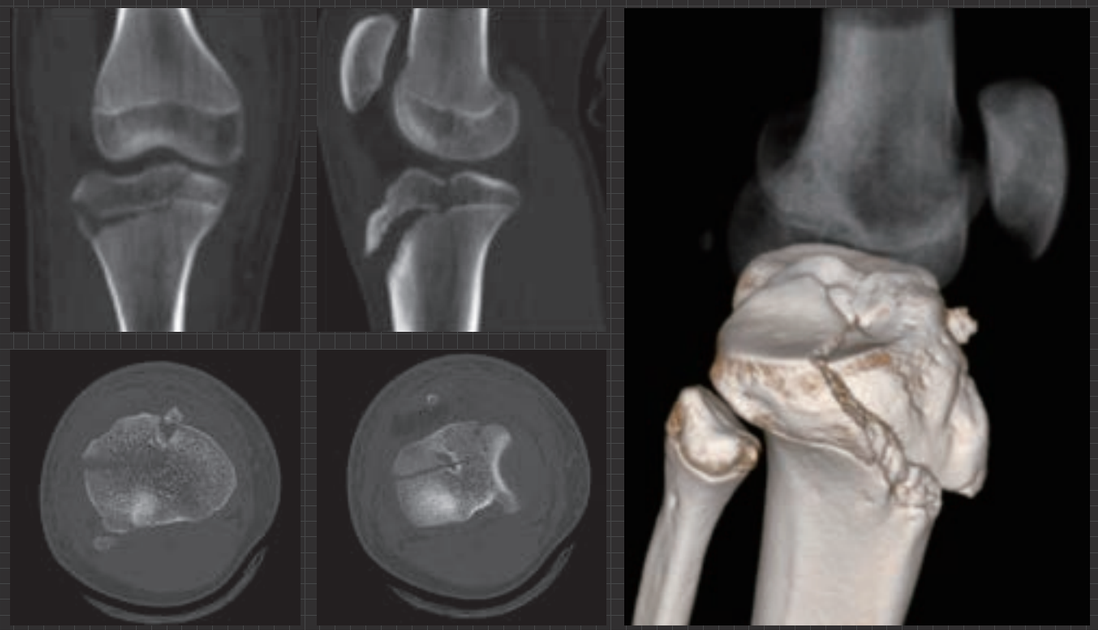
Cerebral Atrophy



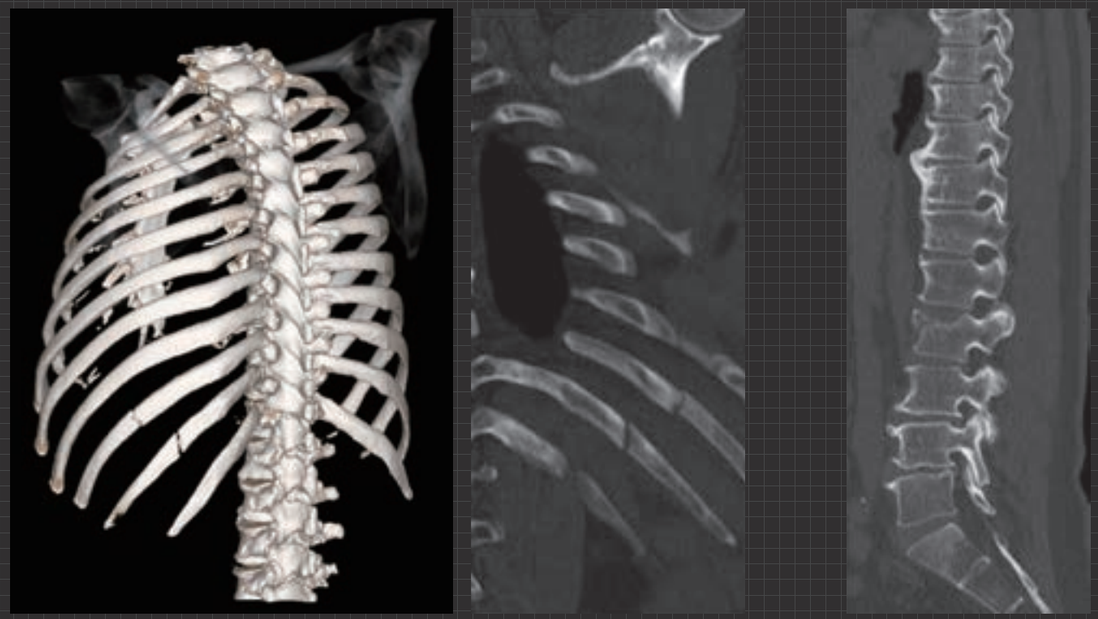
Pneumonia



GGA / High-speed Scan (BP1.6)



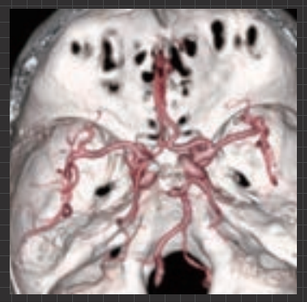
Tibial Fracture

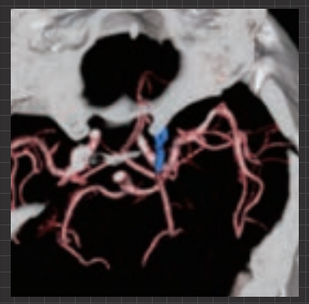


Rib Fracture

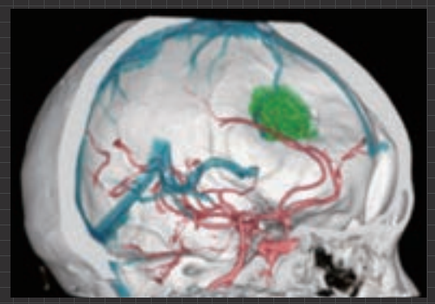
Compressed Fracture

Image Gallery

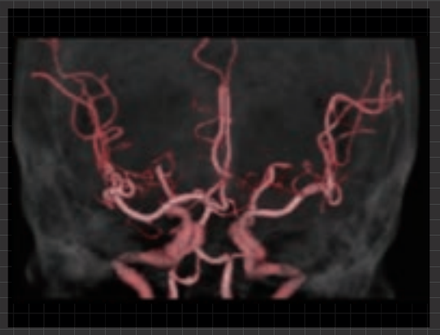




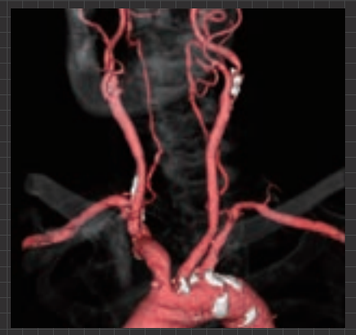
3D Cranial CTA
Clip

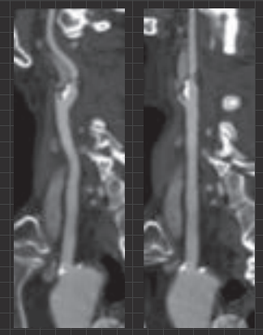


Meningioma



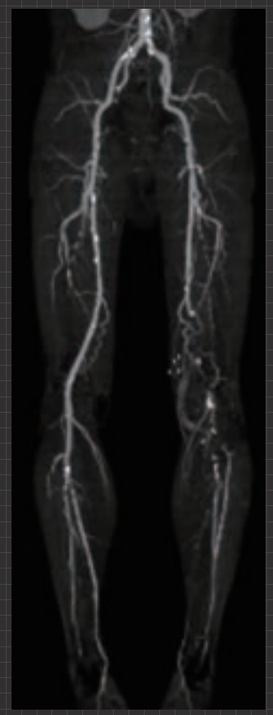
3D Cranial CTA
Cerebral Aneurysm



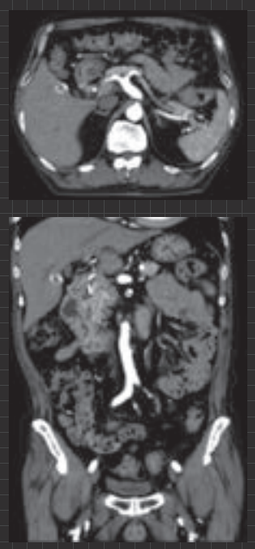


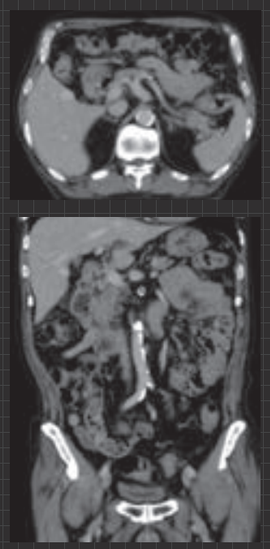
Left Internal Carotid Artery Stenosis

Aortic Aneurysm



ASO (Obstructive Arteriosclerosis)

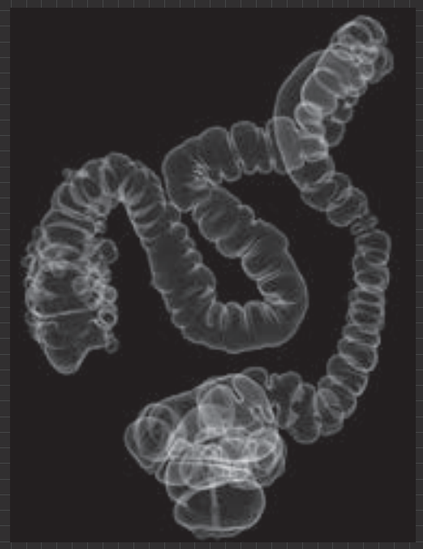


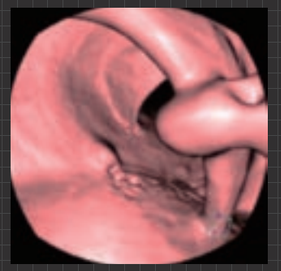


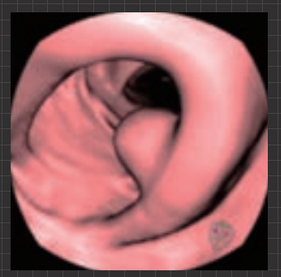
1ph

2ph
Hepatic Haemangioma

3ph



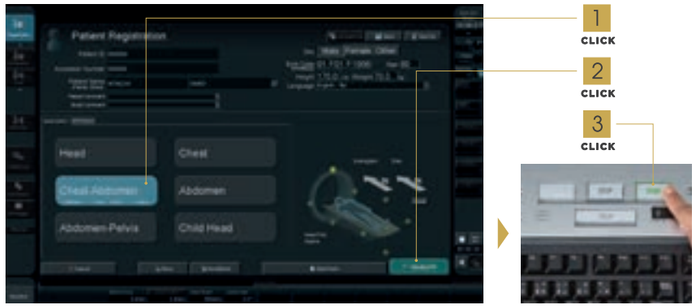




Colonic Polyp

Quick Entry

An operator-friendly GUI provides the latest Supria CT system with intuitive operability.
A large range of functions aids fast and efficient scanning.



WIDE & COMPACT

The 24-inch monitor clearly displays all the information in one view providing a much more compact operating environment than a 2-monitor console. The scan controller is attached to the keyboard.

EASY & QUICK

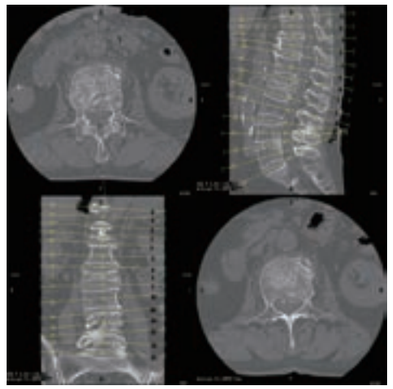
Intuitive and easy operation with newly designed GUI. Quick-Entry mode enables simple operation for all users through fewer buttons and larger icons.

HYPER Q-NET

Hyper Q-Net software allows the user to display and process CT images on a standard PC, providing the same image quality and processing power as the CT console.
It is a network-based application which can be installed on any PC and runs in parallel with the CT console. So, while the CT is busy with patient examinations, Hyper Q-Net allows analysis of previously acquired images. Hyper Q-Net comes with 5 user licences.

MPR Spine Mode

It is a function that can easily display MPR of thoracic and lumbar spines during the MPR process.
Multiple angles of reformated cross sections can be set arbitrarily on the vertebral body and disk.

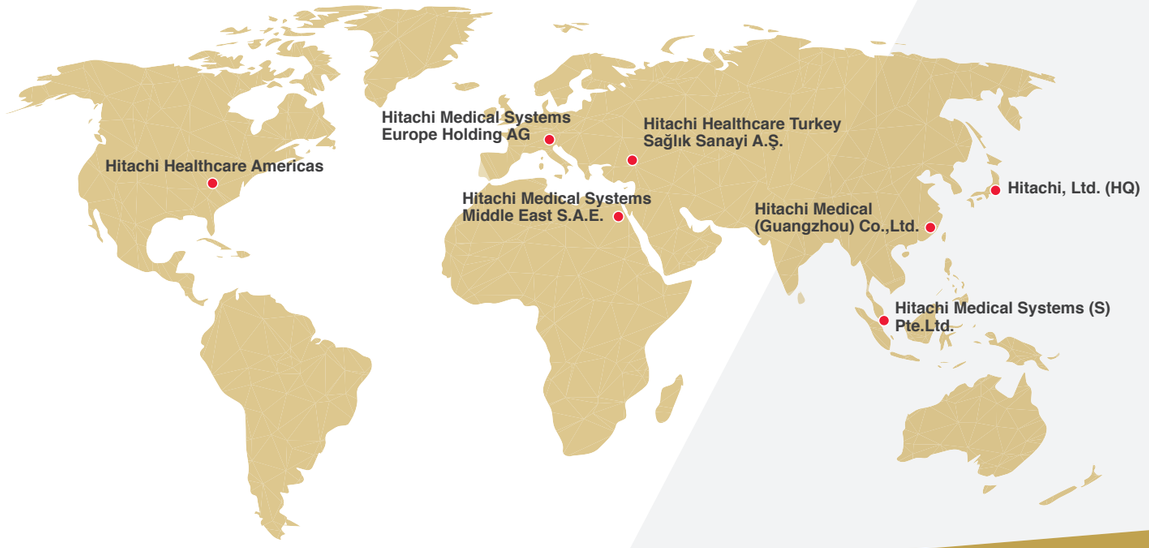


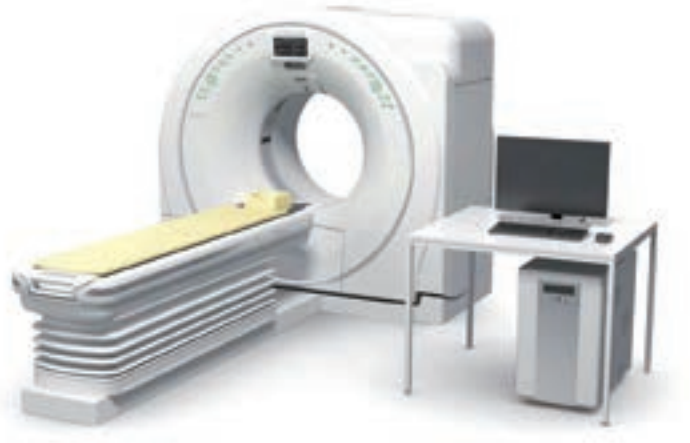
Eco Functions

Supria is equipped with Eco Functions, helping users to optimize their running costs and protect the environment.
During operation, Supria automatically reduces power consumption when idle, for example when the system is not in use for a while.
During non-operational time, power consumption is kept to the bare minimum.

Global Network

Hitachi is committed to delivering advanced Healthcare solutions, including diagnostic imaging equipment that meets the needs of physicians and patients.





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