HITACHI
Inspire the Next

Supria

OPEN & COMPACT 16ch/32slice CT

Innovating Healthcare, Embracing the Future

For a society where all can enjoy a secure, safe, healthy way of life,
Hitachi delivers innovation for implementing healthcare services
tailored to individuals.

Management System EN ISO 13485:2012 www.tuv.com ID 0000036405

Hitachi Ltd., Medical System Operations Group, Kashiwa has established and maintains a quality management system according to ISO13485.

ISO 14001 JACO EC06J1085 UKAS 051

Hitachi, Ltd., Healthcare Business Unit (Excluding regional sales bases) is certified as complying with the International Environmental Management System (ISO 14001).

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Supria

OPEN & COMPACT 16ch/32slice CT

A NEW STANDARD CT

This is the Ideal CT.

Compact design,
yet open access and fitted
with state-of-the-art technologies.
The Supria sets the new standard
for future CT.

The need for faster and more accurate diagnosis in the medical frontline is ever increasing, with CTs capable of meeting these needs high-in-demand. The Supria makes no compromises on this front - easy to use, easy to install, compact but equipped with an arsenal of tools and functions to fit any medical scene - overturning assumptions and raising the bar for future CT.

16ch / **32**slice

Supria OPEN & COMPACT 16ch/32slice CT

Open & Compact
75cm wide gantry bore while achiving
a compact foot-print.

Low Dose
Equipped state-of-the-art low dose technology.

Easy Operation
Provides a user interface which can be operated intuitively with 24-inch wide monitor.

High Performance
Achives both high throughput and high image quality.

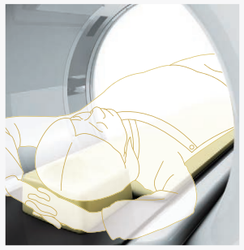
OPEN & COMPACT

Open & Compact

The largest bore diameter of this class reduces the anxiety of patients, and its compact design saves space. It is a CT that achives these two conflicting merits. That is Supria.

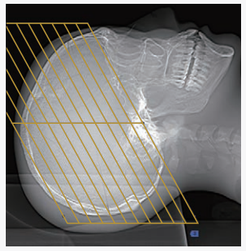
OPEN

Achieves top-class 16ch/32slice CT opening diameter and compact size that is achievable only by Hitachi, the pioneer of this open design.
Easy imaging is possible even in CT examinations where the patient's arms are raised.



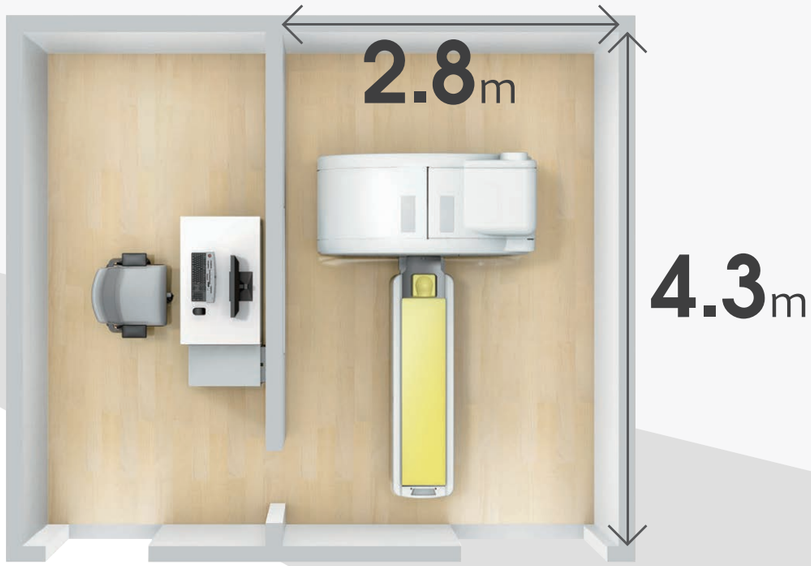
TILT ±30°

This is the gantry tilt required for reducing radiation exposure of the lens and for reducing teeth artifacts. The open gantry facilitates easy positioning.



COMPACT

This is a true 3-unit structure comprised of only the gantry, bed, and operator's console. You can effectively utilize the space of the CT room because this unit does not require any system transformers or separate units.



Standard Layout

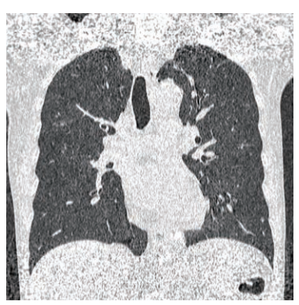
PATIENT FRIENDLY

Intelli IP Quick

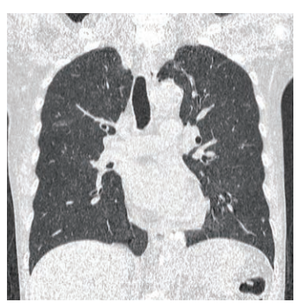
Advanced noise reduction function that applies iterative reconstruction technology to reduce noise and achive high quality imaging. The reduction of image noise and artifacts minimizes the dosage required to produce high-quality imaging. 7 levels of dose reduction are provided to achieve low noise levels consistent with operation policies of the facility where the CT system is used. In addition to Intelli IP, Intelli IP Quick, with a dramatically high computation speed, is also available.

- Dose Reduction
- Image Noise Reduction
- Artifact Reduction

Intelli IP
CT imaging revolution



FBP

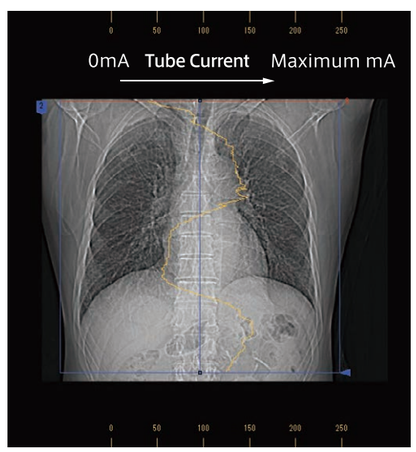


Intelli IP Quick

Optimizes radiological dosage
by automatic tube current control

IntelliEC

Tube current is controlled three-dimensionally (X-Y-Z) based on information on the patient's body type obtained in scanogram and preset target SD. Regardless of the imaging region, images can be output at a constant noise level, thereby facilitating imaging that gives consideration to the balance between the imaging quality and radiation dosage.

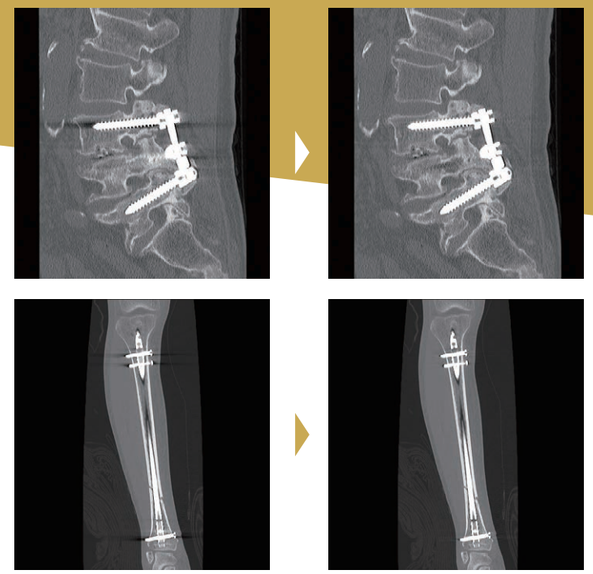


Visual tracking of tube current changes

HIGH PERFORMANCE

HiMAR

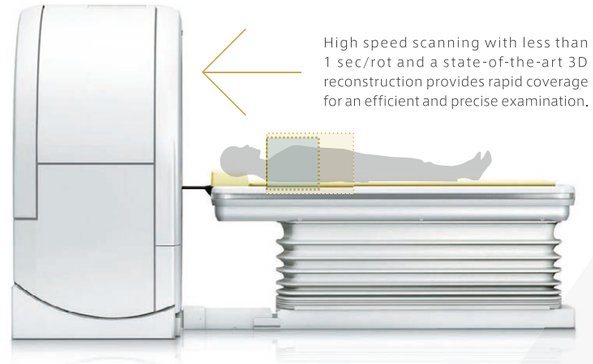
HiMAR (High Quality Metal Artifact Reduction) estimates and corrects artifacts based on metal data. Algorithms unique to Hitachi are adopted.



OFF ON

High Performance

High throughput is made possible with high-speed rotation, submillimeter slicing, a high-efficiency generator, and a state-of-the-art image reconstruction algorithm. Supria's high performance allows you to perform high-precision and high-throughput examinations.



CORE Method

Hitachi's unique three-dimensional image reconstruction algorithm, CORE method, is adopted. This produces excellent images with reduced artifacts even in high-pitch imaging.

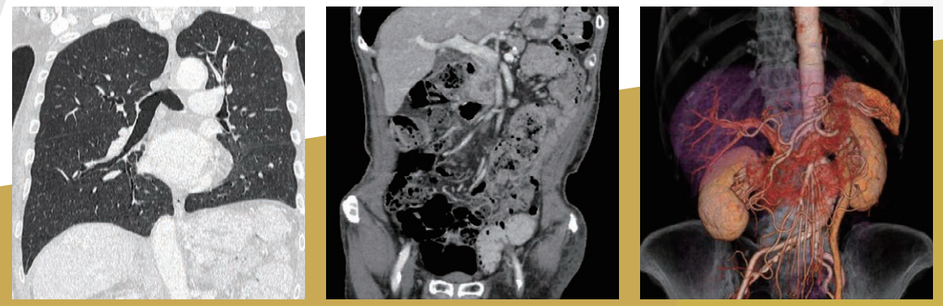
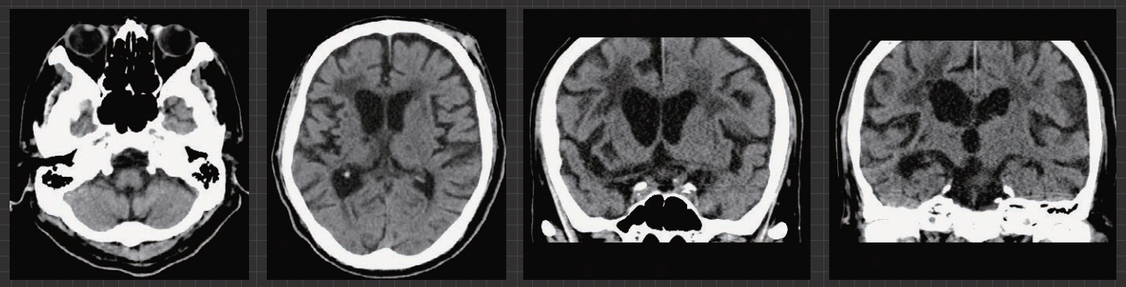
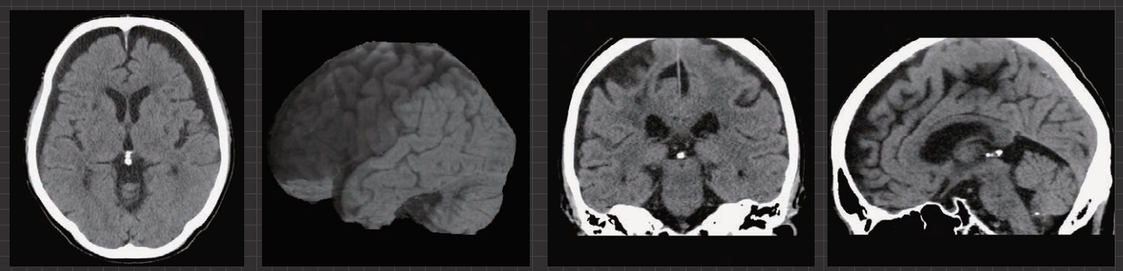


Image Gallery

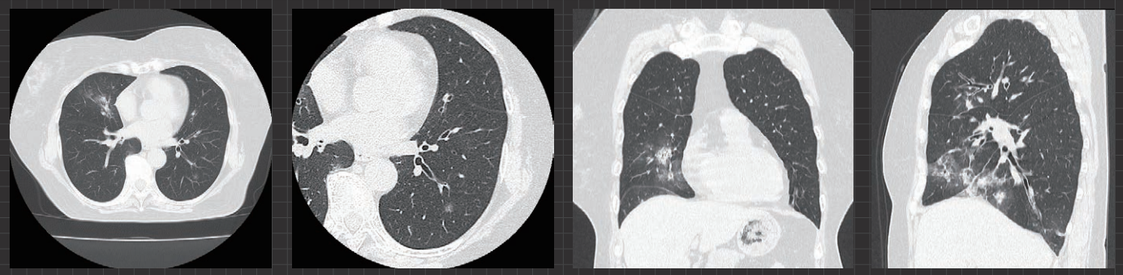


Cerebral Infarction



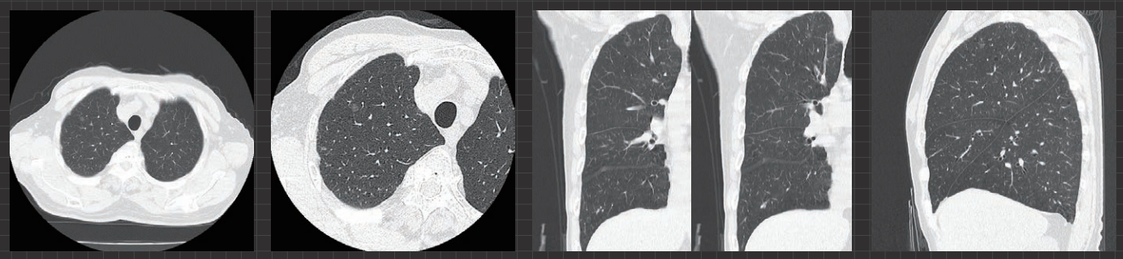
Cerebral Atrophy

5㎜ 0.625mm

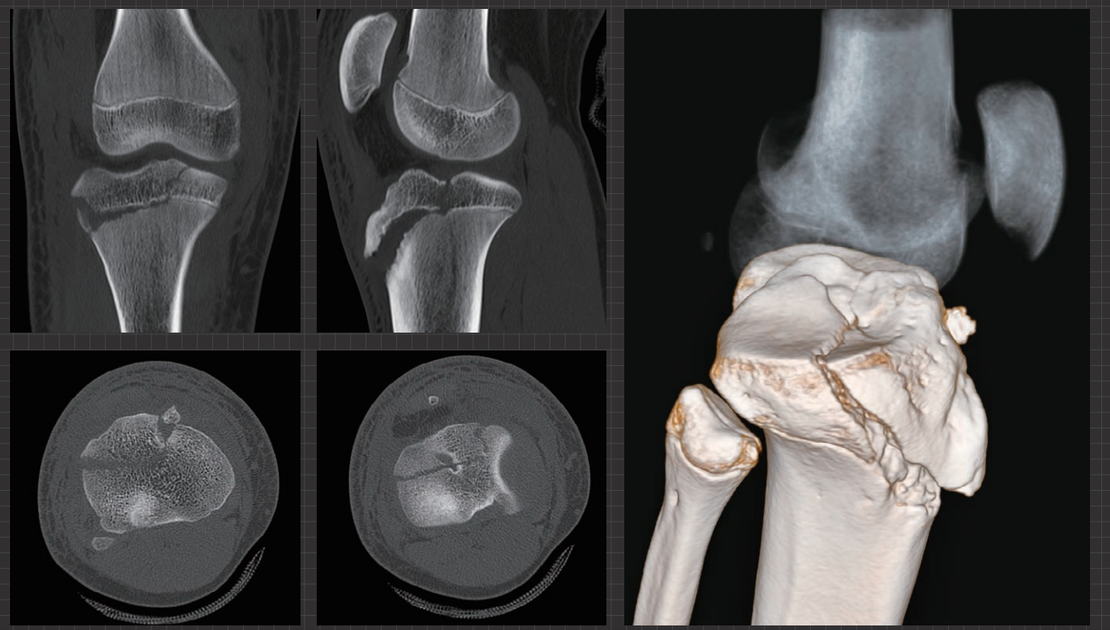


Pneumonia

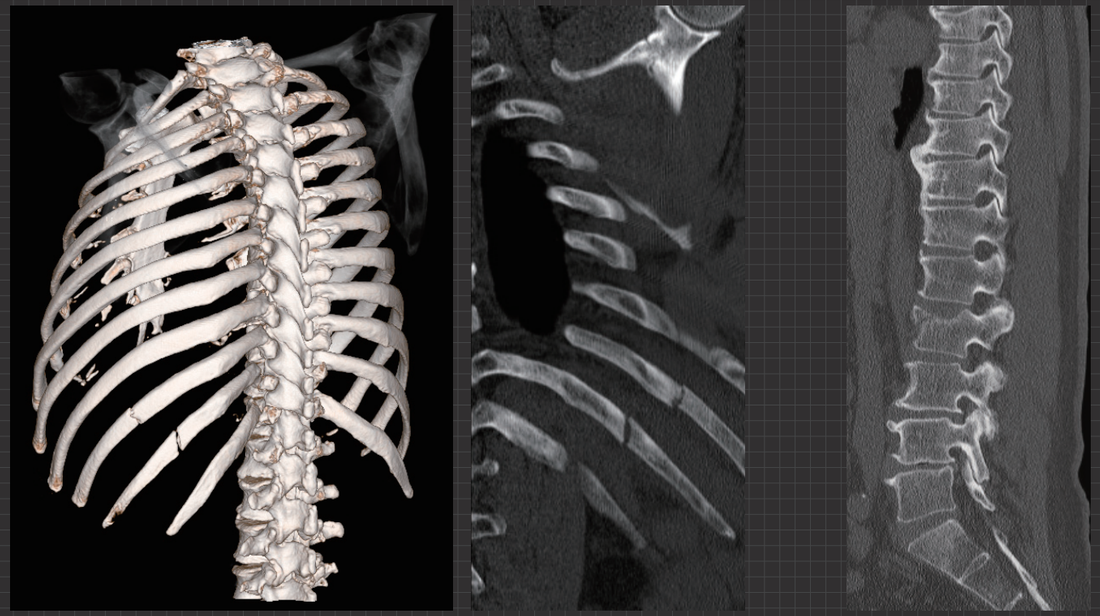
5㎜ 0.625mm



GGA / High-speed scan (BP1.6)



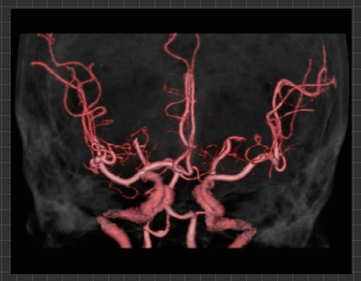
Tibial Fracture



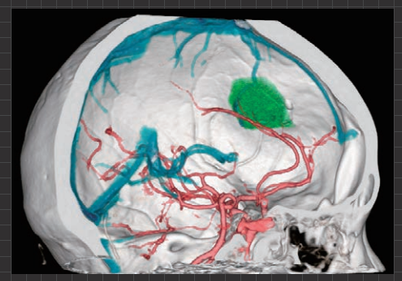
Rib Fracture

Compressed Fracture

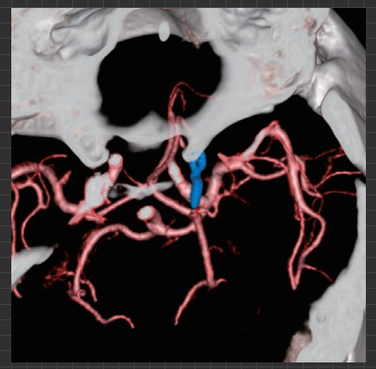
Image Gallery

3D Cranial CTA
Cerebral Aneurysm



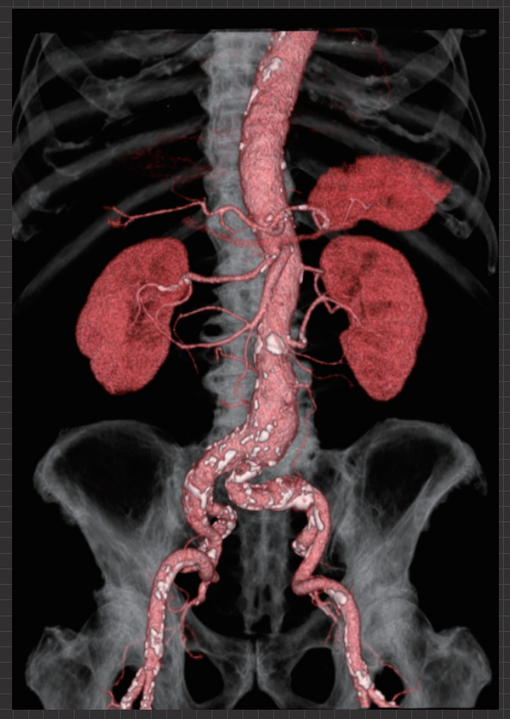
Meningioma



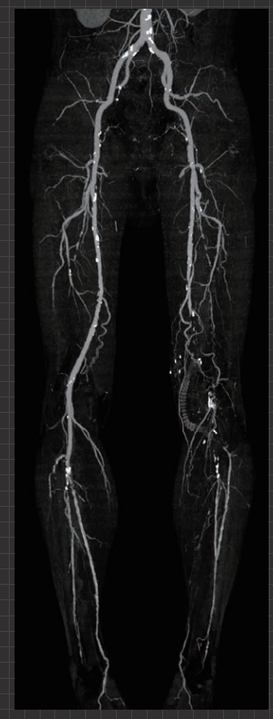
3D Cranial CTA
Clip



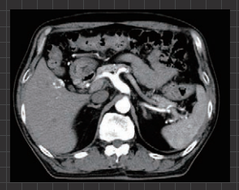
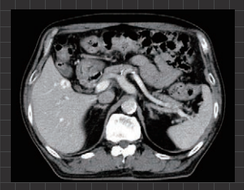
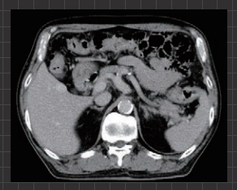
Left Internal Carotid Artery Stenosis



Aortic Aneurysm

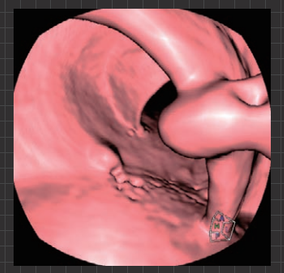
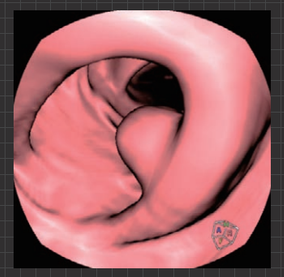



ASO


1ph 2ph 3ph

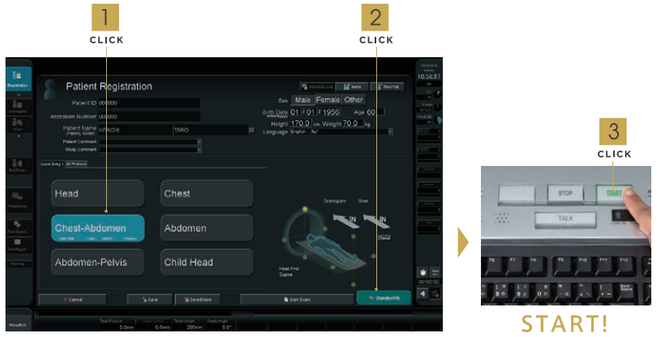
Hepatic Hemangioma

Colonic Polyp

Quick Entry

This is a newly designed CT scanner which provides intuitive operability and is user-friendly.
Its diverse range of functions help you perform efficient examinations.



WIDE & COMPACT

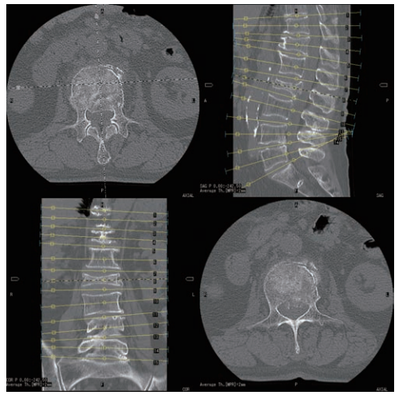
A 24-inch wide monitor allows you to see all the required information at a glance. The imaging button is located right above the keyboard. Compared to the 2-monitor version, this allows for a compact operating environment.

EASY & QUICK

Includes a highly functional user interface which can be operated intuitively. Because only a few operation buttons are required and an easy operation mode with large letters is provided (Quick-Entry mode), it is easy to operate even if you are not used to CT systems.

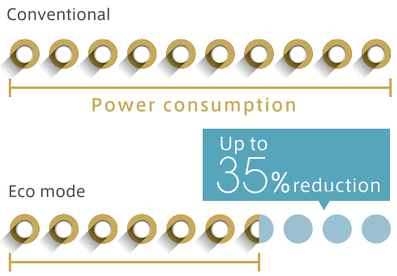
MPR Spine Mode

Regular MPR processing is added with functions for enabling MPR display of the thoracic vertebrae and lumbar vertebrate, so that scans can be carried out easily. Reformated cross-sections can be continuously set at any angle according to the vertebral body and intervertebral disc.



Eco mode

The Eco mode has two functions. The On-time Standby function suppresses power consumption by controlling the built-in devices of the gantry. In addition, a function called Off-time mode is also provided. The X-ray detector conducts power even when not in use in order to stabilize characteristics. This function serves to further reduce the power consumed during standby by suppressing the power conduction time. These functions enable the Eco mode to reduce power consumed by up to 35%, compared to conventional Supria models.



Global Network

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