

Supria128

OPEN & COMPACT 64ch/128slice CT



128

“Supria128” provides Next Standard CT

Due to the advance of medical care, CT device needs to be optimized for patient care and accelerate clinical decision-making more than before. On the other hand, the economical benefit is also demanded on medical finances due to rapidly growing aging society.

Supria128 has evolved in order to respond to the paradigm shift in the medical field with employing latest technologies such as whole-body submillimeter high-speed imaging and dose reduction technologies, which have become the "Next Standard" for challenging various clinical demands.

“Supria128” is a new solution that responds to healthcare needs in the medical field.

64ch/
128slice



"Supria128" provides Lower Dose, High Quality Image

Iterative processing for routine examinations

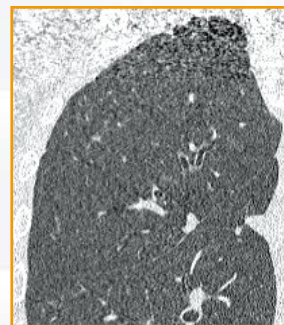
Iterative Processing, which is useful for dose reduction, requires a large amount of calculation, making it difficult to apply to routine examinations. In "Supria128", the image processing unit has been renewed and the processing speed has been improved in order to use iterative Processing (Intelli IP) for routine examinations.

■ Optimal settings for each facility

Noise reduction strength can be selected from 7 levels. We provide high-quality images by reducing image noise and artifacts with an appropriate exposure dose according to the facility's operation policy.

■ Low tube voltage scanning

In general, low tube voltage scanning can be expected to increase CT values and improve low-contrast resolution with iodine contrast agents. The noise increased by low tube voltage imaging can be reduced by Intelli IP, also reducing the burden on the patient.



OFF



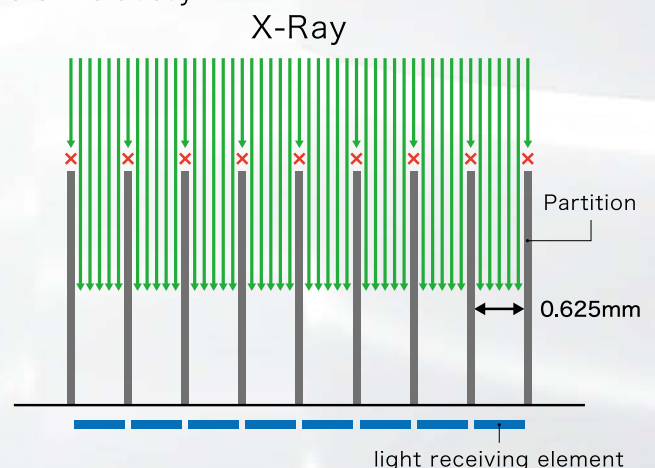
ON

With submillimeter (0.625mm) scan any region on the whole body

Equipped with a $0.625\text{mm} \times 64\text{ch} = 40\text{mm}$ high resolution wide detector, submillimeter imaging is possible in a short scanning time at any region on the whole body.

■ Minimum slice width 0.625mm

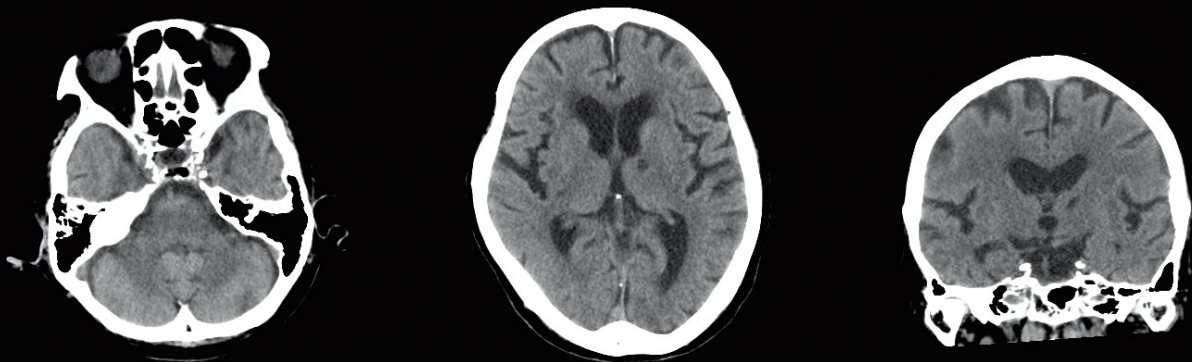
The X-ray detector is separated by a partition. The X-ray utilization efficiency decreases by the thickness of this partition. There is a trade-off between X-ray utilization efficiency and spatial resolution, and a detector with a minimum slice width of 0.625 mm is equipped.



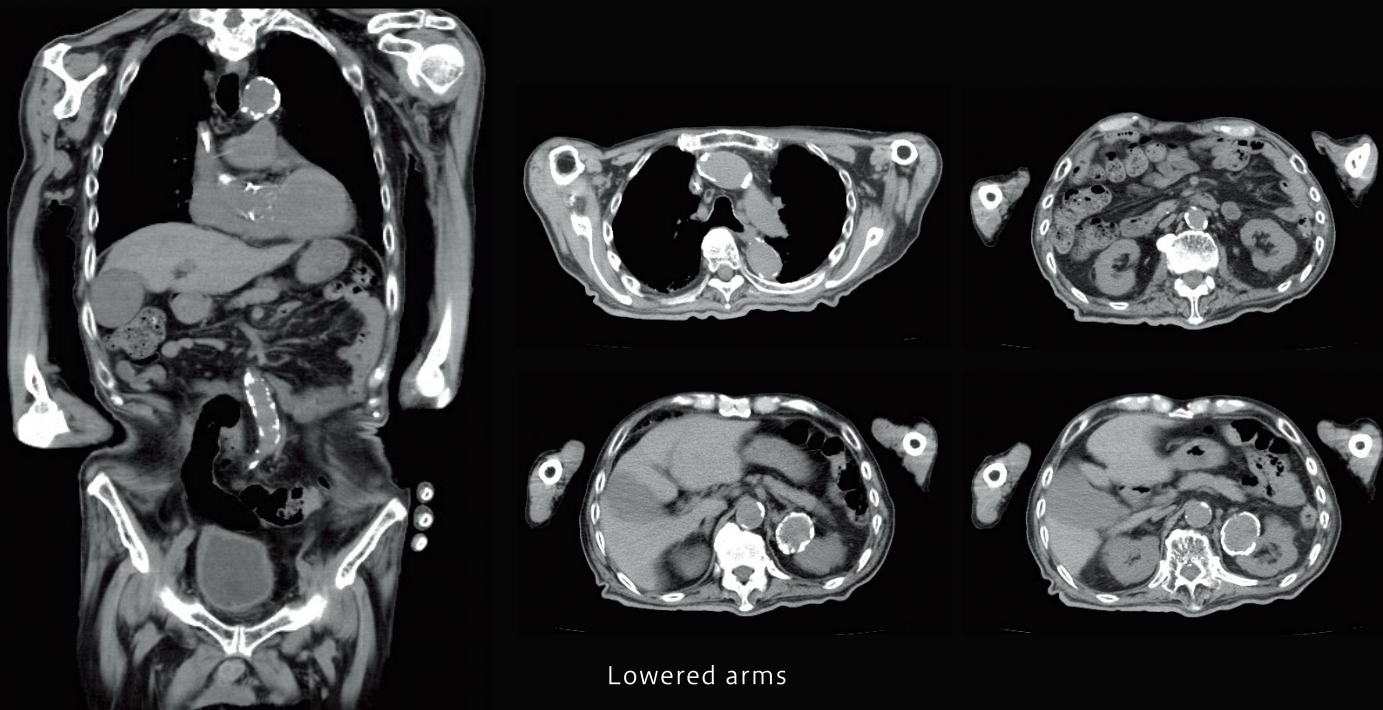
■ Clinically effective

Since it is possible to take a wide range of scans, it is effective for various examinations such as head, lowered arms, and abdominal multi-phase scanning.

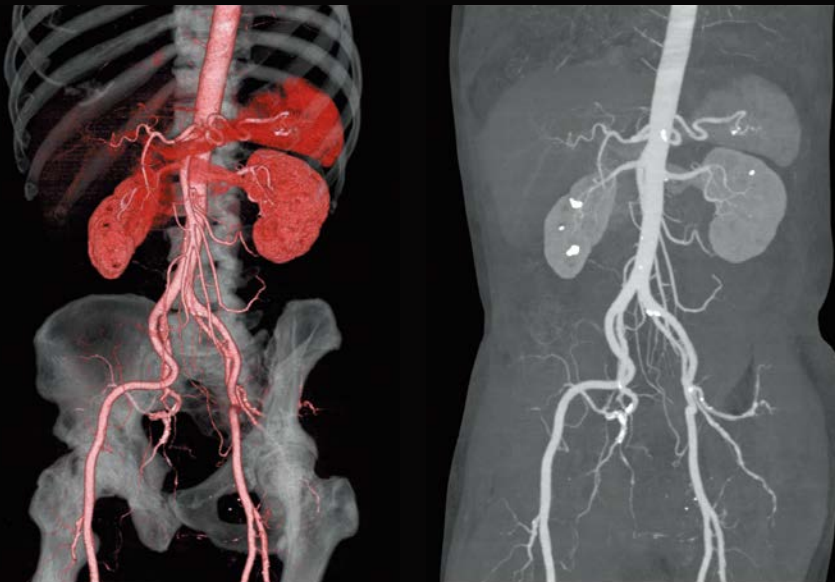
High-speed Scanning



Lacunar infarction (Normal Scan)



Lowered arms



Abdominal CTA (100kV)

“Supria128” provides Comfortable Patient Care

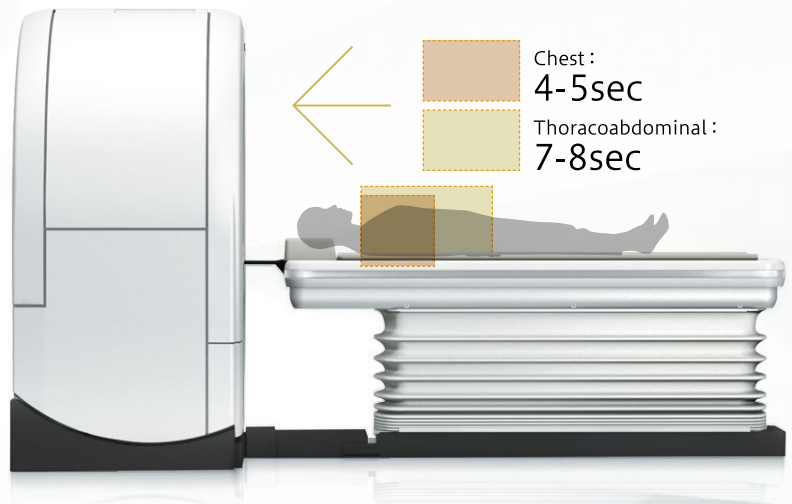
In-Room Operation

Scanning can be started / stopped on the gantry while monitoring the situation changes at a position close to the patient. This improves the workflow between the operation room and the scanning room and consider the safety for smooth examinations.



High throughput, high image quality

High performance, such as high-speed rotation, submillimeter slice imaging, powerful X-ray generator and state-of-the-art image reconstruction algorithms, realizes high resolution and high throughput examinations.



High pitch scanning not limited to FOV

Our original 3D image reconstruction algorithm CORE method allows scanning with whole specification range of the slices thickness and FOV.

*: Depends on the specifications of the device

High-speed Scanning



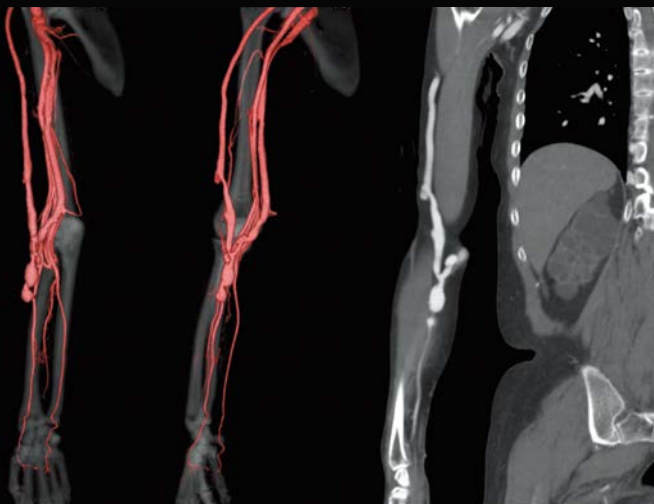
Brain tumor



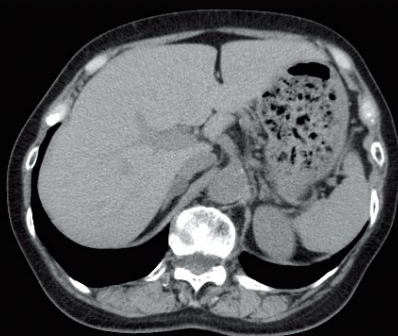
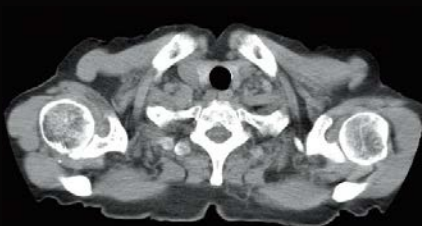
Head Neck CTA



Metastatic bone tumor



Shunt

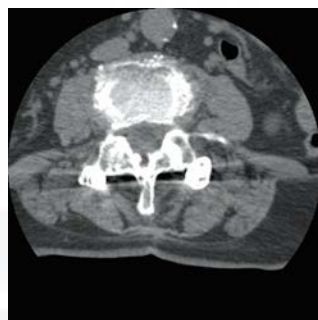


Ground-glass nodules (the fastest scan)

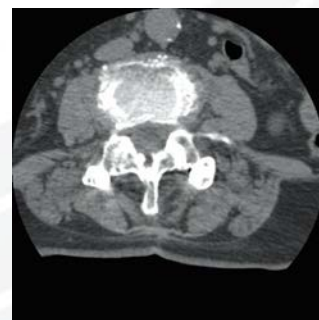
“Supria128” provides High Functionality

HiMAR reduces metal artifacts

HiMAR (High Quality Metal Artifact Reduction) adopts unique algorithms for estimating and correcting artifacts based on metal data.



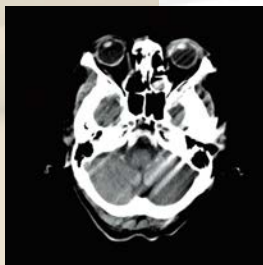
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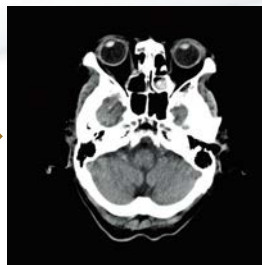
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Helpful function to reduce the burden on the patient

Equipped with a motion artifact correction, body movement can be compensated even after scanning. Even if the patient is out of the effective field of view, such as a patient with a kyphosis, images can be reconstructed without re-scanning in case it is within the maximum effective field of view.

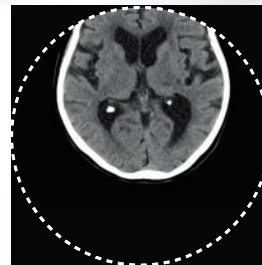


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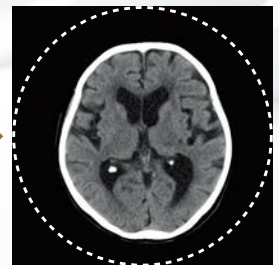


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Motion artifact correction



OFF



ON

Full FOV data acquisition

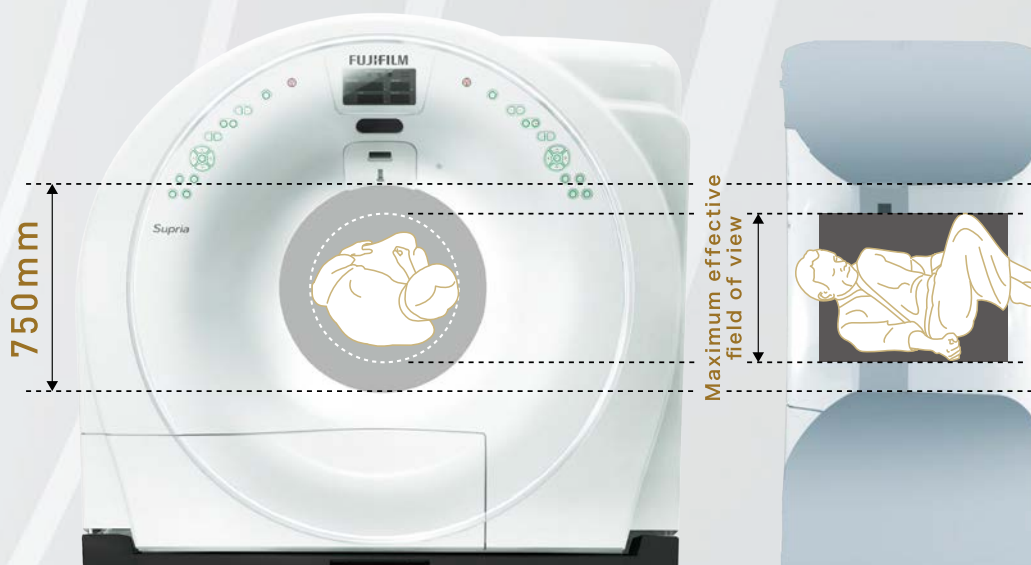
ECG Prospective scanning in synchronization with electrocardiogram

ECG Prospective scanning is a function that scans and achieves image in synchronization with electrocardiographic information. Images achieved by ECG Prospective scanning can be used for calcium scoring analysis*.

* A 3D workstation equipped with a calcium scoring analysis is required.

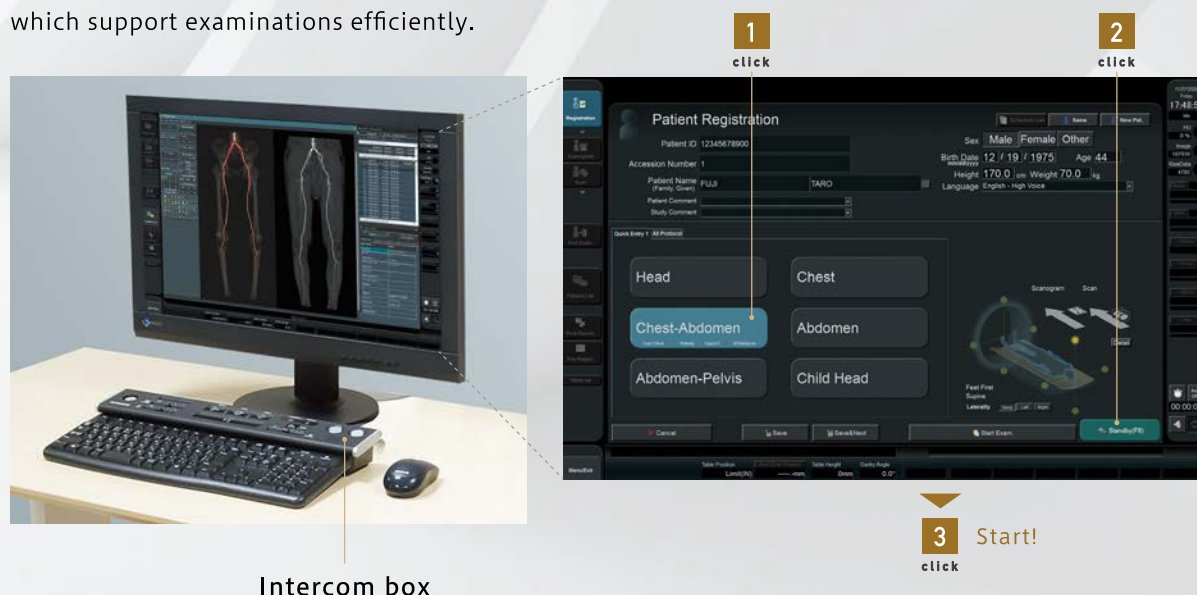
Capable of imaging in various patient's positions

With a large bore of 750mm and a maximum effective field of view that reduces anxiety of the patient, it is possible to scan with various patient's positions.

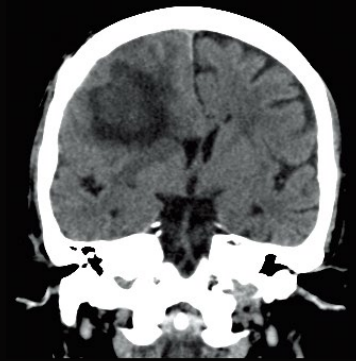
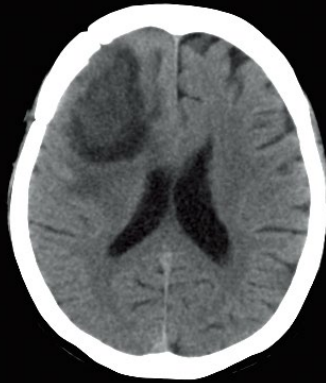


Intuitive operability with Quick Entry

The scan button is located on the intercom box, just above the keyboard, with simply arranged operation buttons, large text, and an easy-to-understand display, which support examinations efficiently.



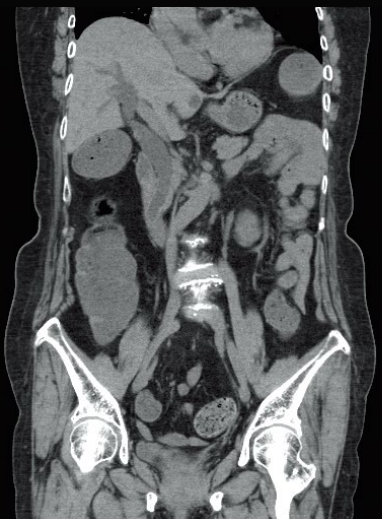
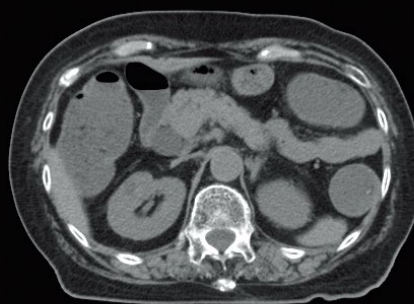
Clinical Images with Intelli IP



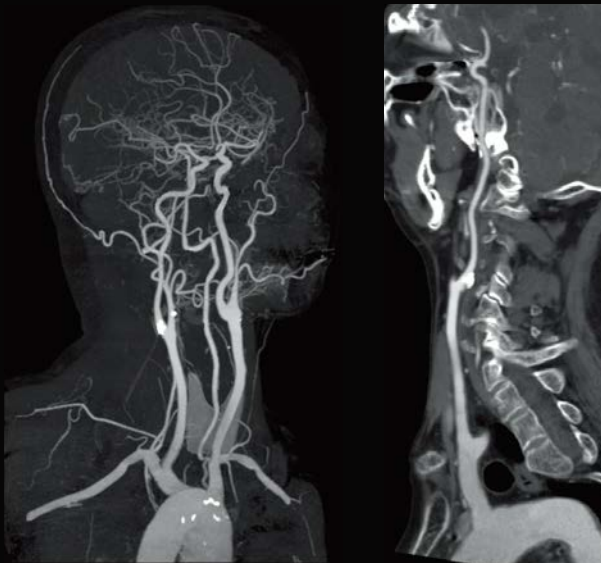
Glioblastoma



Pneumonia



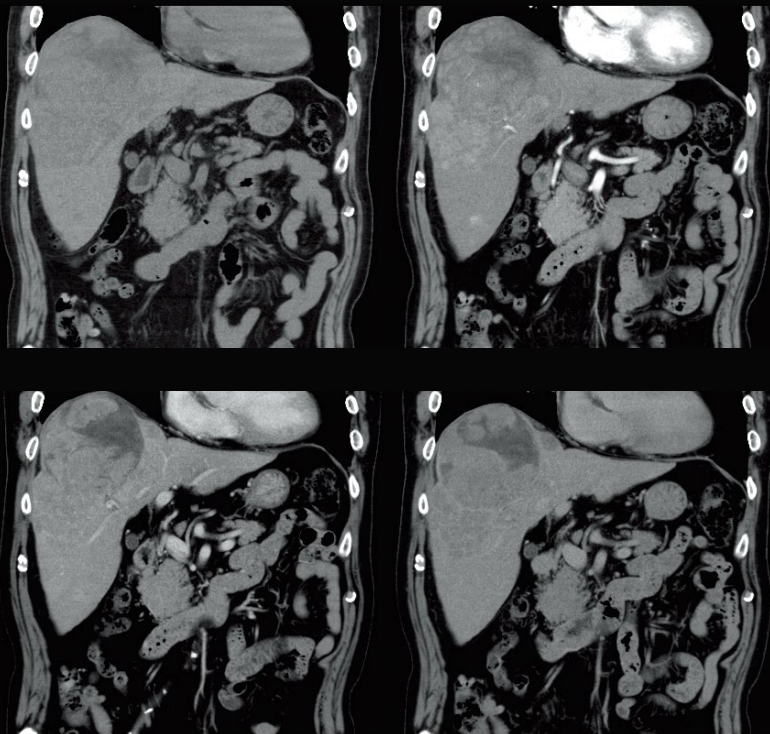
Ileus



Internal carotid artery stenosis



Colorectal cancer

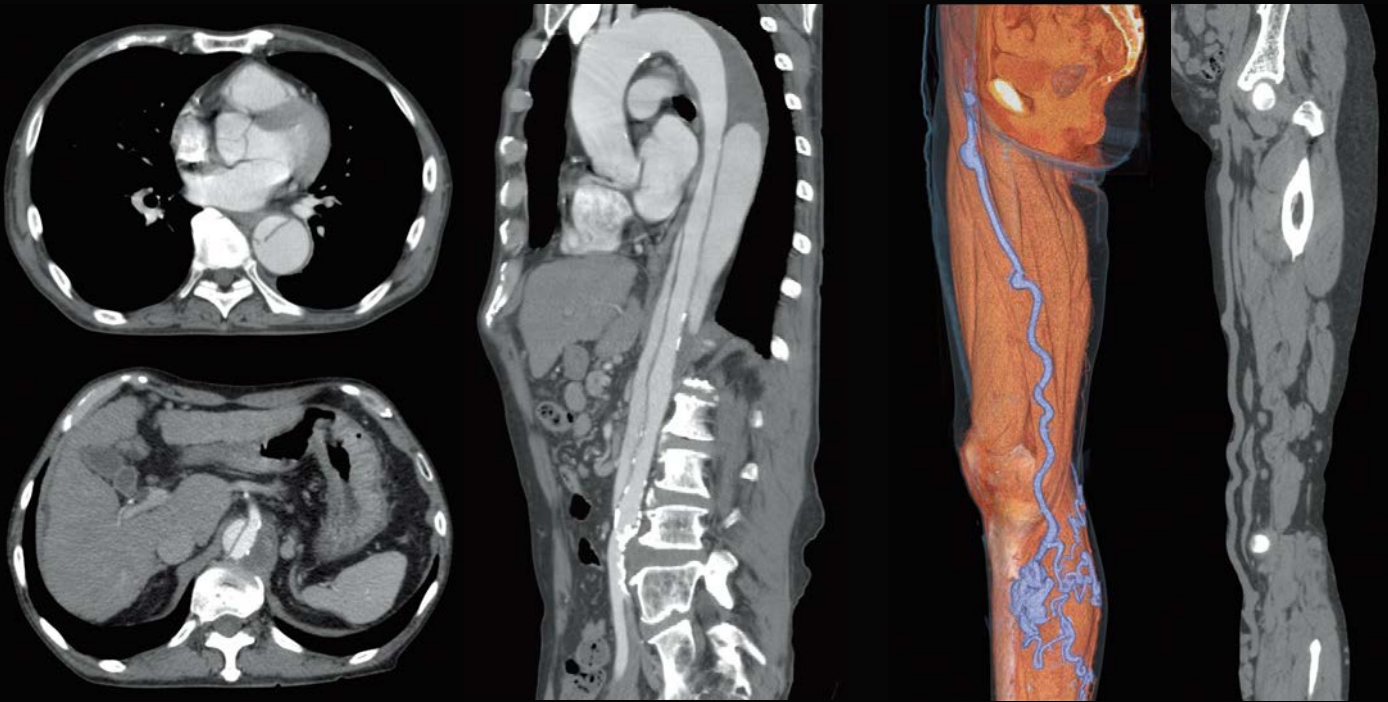


Hepatocellular carcinoma (Dynamic)



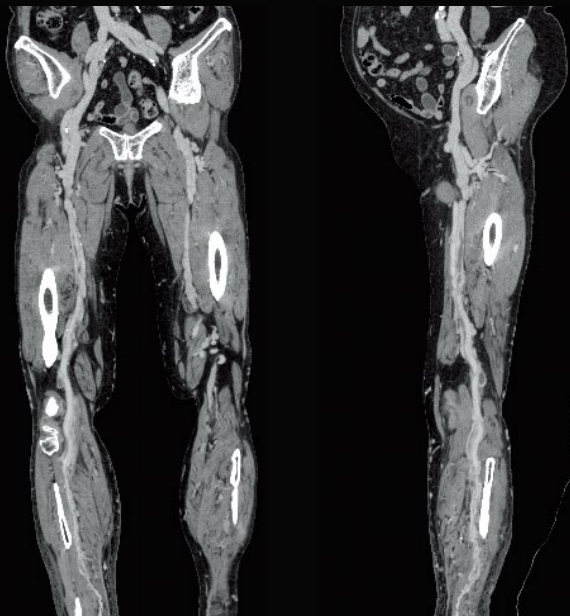
Arteriosclerosis obliterans

Clinical Images with Intelli IP



Dissecting aortic aneurysm

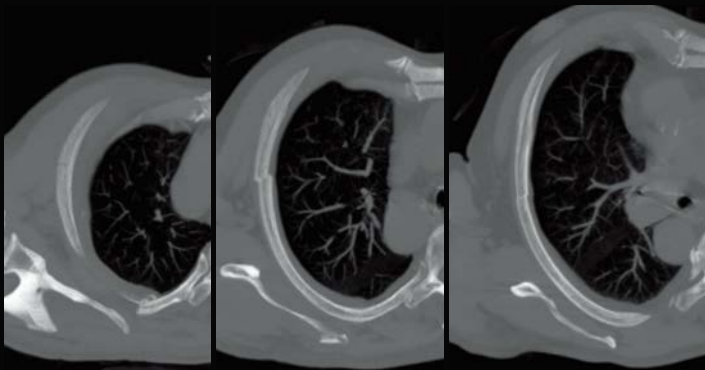
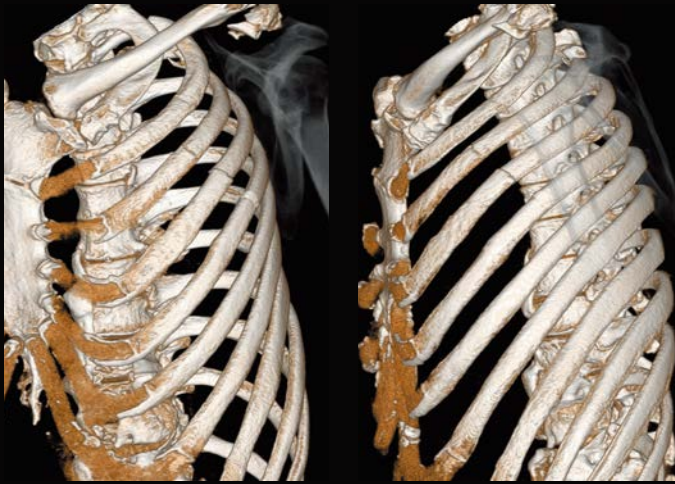
Greater saphenous varix



Deep vein thrombosis



Tibia fracture



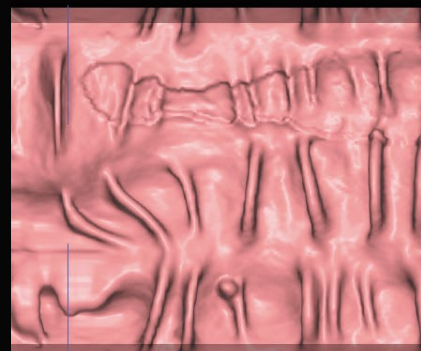
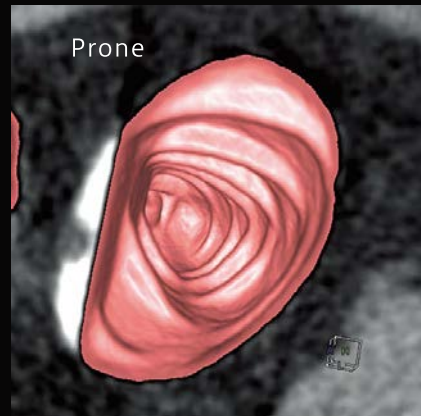
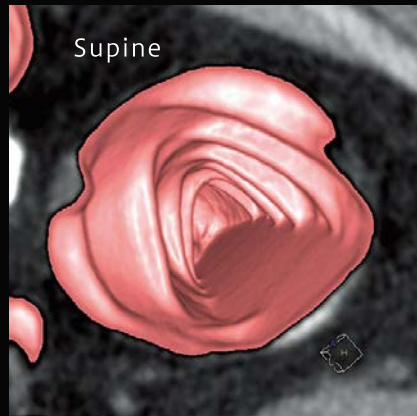
Clavicle•rib fracture



Scaphoid fracture



Compression fracture



Colonic polyp

“Supria128” provides Comfortable Work Environment

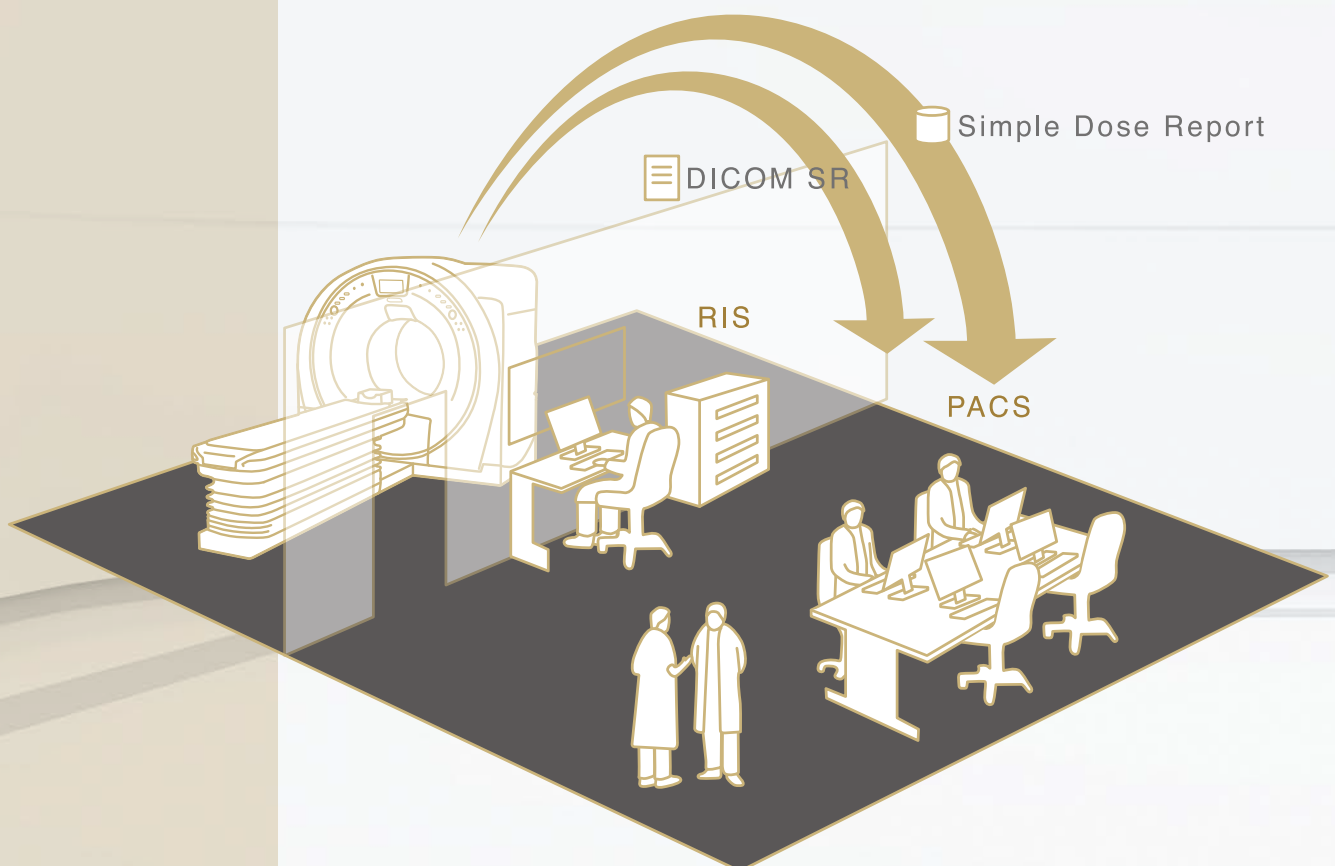
Simple Dose Report

Dose information can be transferred to PACS as a secondary capture image.

Using the PACS image viewer, the dose information can be checked together with the CT image.

DICOM SR

Using the DICOM standard, it is possible to transfer dose information as a DICOM Structured Report (DICOM SR) to PACS, etc.



Small footprint with 3-unit configuration

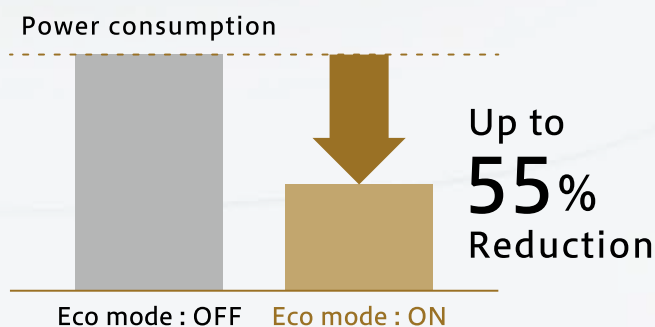
Only the gantry, the patient table, and the operation console configuration* is realized. There are no other separate units with build-in system transformer, so the space in the CT room can be used effectively.

* For power supply voltage 200V



Eco mode reduces stand-by power consumption

Supria128 is equipped with both On-time stand-by and Off-time mode function. With these Eco mode functions, it reduces power consumption of equipment in the gantry and energization time of the X-ray detector, thereby reducing power consumption during stand-by.



Global Network

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

