

Aquilion

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Aquilion *Lightning*

Trusted Performance.
Smart Investment.



Aquilion Lightning 160 Slice Ultra Helical CT

A smart investment - assisted by AI.

Are you looking for a 160 slice CT scanner that helps provide better care and safer imaging in a compact, affordable package?

Designed to operate reliably and efficiently in a busy environment, the Aquilion Lightning SP now has deep learning innovation integrated into the existing hardware to deliver high quality images in a fast, cost efficient way.



Mobile CT Solution



Clinical Confidence Anywhere

Harness the power of the Aquilion Prime SP and Aquilion Lightning 80 CT systems wherever and whenever you need them. The design of our mobile medical equipment allows for high-patient throughput, without compromising on patient safety, workflow, or image quality.

Advanced intelligent Clear-IQ Engine (AiCE)

Welcome to the age of AI-assisted CT

AiCE is a cutting-edge Deep Learning Reconstruction technology that's been trained to reduce noise and boost signal to deliver sharp, clear and distinct images at speed.





The system is designed to operate reliably and efficiently, producing high-quality images that help speed up diagnosis and treatment in a busy environment.

^{*1} With AIDR 3D

^{*2} Option with small couch

Lightning
Aquilion

Redefining a
cost-of-ownership
CT solution



Aquilion lightning

Better care. Safer imaging.

Aquilion Lightning™, Canon Medical Systems' 16-row 32 slice* helical CT system for whole-body imaging, employs cutting-edge technologies to optimize patient care and accelerate clinical decision making. Innovative features ensure that high-quality isotropic images are routinely acquired with low patient dose. The workflow is streamlined, increasing patient throughput. And a wide range of advanced 3D and post processing applications provide clinical flexibility.

*coneXact double slice reconstruction





Clinical Gallery

Runoff CTA

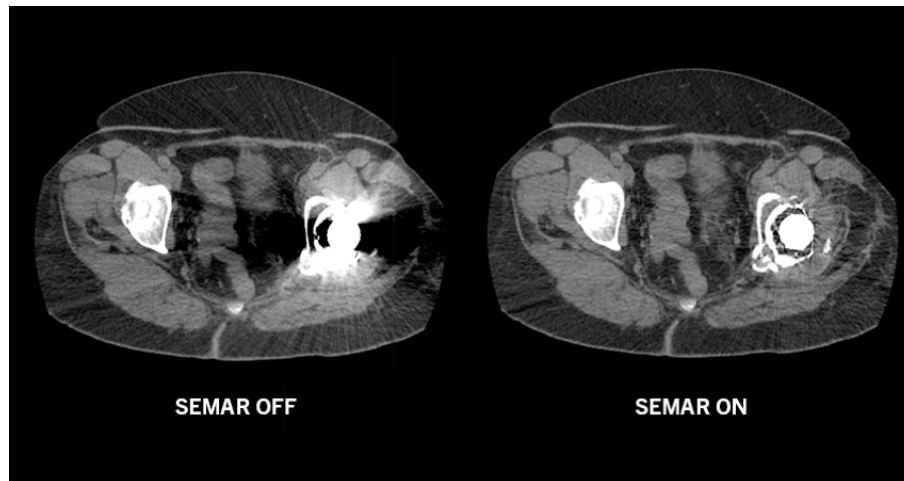
63-year-old male. CT Runoff Angiography was performed with ^{SURE}Exposure and ^{SURE}kV, automatic mA modulation and kV selection. Multiplanar Reconstructions (MPR) and 3D Volume Rendered images demonstrate bilateral iliac-femoral artery occlusion; right axillary femoral bypass graft and a left aortofemoral bypass graft with restored blood flow to both femoral arteries. Severe diffuse atherosclerotic disease and aortic aneurysm pre-bifurcation is also demonstrated. Blood flow is seen bilaterally in the extremities.



Minimum Space

Maximum Efficiency

With a design also focusing on smaller installation space and power consumption, Aquilion Lightning™ requires a minimal footprint.



Adaptive Diagnostics

Innovative solutions unique to Canon medical systems to solve clinical challenges. Simplified workflow with consistent quality results.



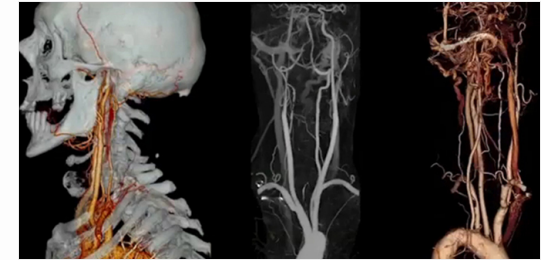
The Right Dose.

AIDR 3D Enhanced simplifies dose reduction by adaptively targeting noise in the raw data and image data space.



Optimizing the Clinical Workflow

Aquilion Lightning™ is designed to handle even the busiest workloads with ease.



SURESubtraction

The ability to remove bone and calcium from data sets while allowing clinicians to view lesions or arteries at risk.

Low Dose by Design

Canon Medical Systems' dose reducing features AIDR3D Enhanced and SUREExposure 3D are fully integrated into Aquilion Lightning's workflow.



***Aquilion* Serve**

Simply delivers.



Aquilion Serve

Perform simple, safe, high-quality CT exams with consistent clinical outcomes

As radiology departments around the world find themselves increasingly pushed to their limits, they need a CT scanner that delivers low dose, consistent results and fast throughput that leaves more time for patient care.

With workflow features that deliver simplified patient positioning, automatic scan planning and AI-enabled solutions, Aquilion Serve meets these needs.

Enjoy an optimized CT scan experience with INSTINX

Built using Canon Medical's new **INSTINX** workflow solution, Aquilion Serve's total workflow experience is redesigned from the ground up to set new standards in efficiency and consistency. Every detail of the workflow has been thoroughly refined and validated through clinical testing in medical centers around the world.

Now, scanning is easier than ever before.



Innovative Hardware



Instinctive User Experience



Intuitive, Automated Workflow



Intelligent Solutions



Simplicity Delivered

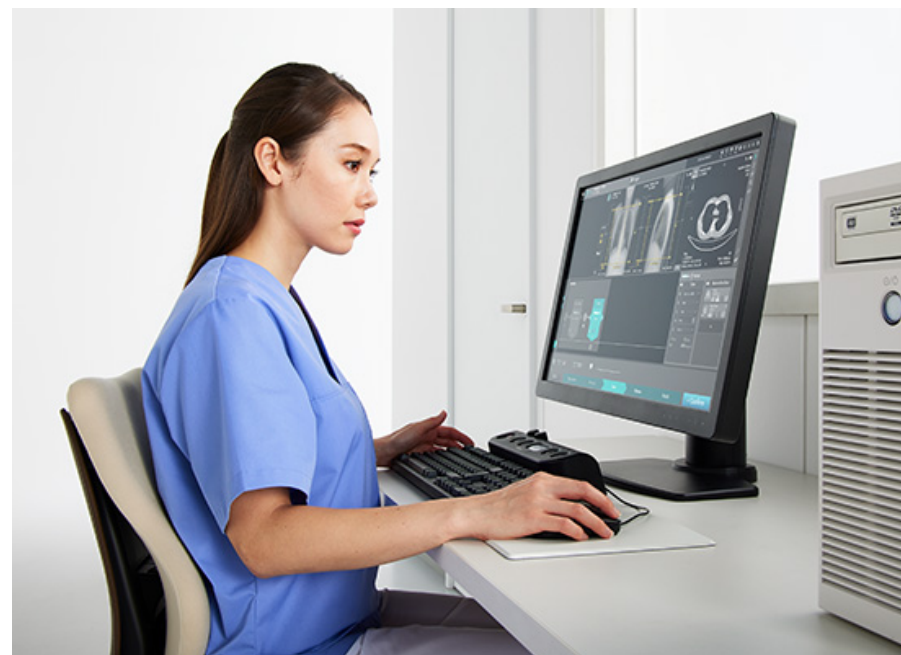
Simple, safe, high-quality CT exams

- Innovative hardware solutions such as built-in cameras, flared gantry and Tech assist lateral slide
- All-new user experience with INSTINX
- Up to 40% reduced workflow steps
- Advanced intelligent Clear-IQ Engine (AiCE) delivers images that are sharp, clear and distinct

Consistency Delivered

Consistent clinical outcomes

- Automatic Scan Planning with Anatomical Landmark Detection
- Automated clinical solutions
- Consistency in image quality with AiCE





Value Delivered

Value from the first day of operations

- Quick setup & easy maintenance
- Minimal training requirements
- Fast & productive for high throughput
- End-to-end workflow solutions with [Vitrea](#)
- Eco-friendly design for a green future

Aquilion *Exceed LB*

Expand your view



Aquilion Exceed LB

Large Bore CT that provides smart, fast, accurate CT simulation

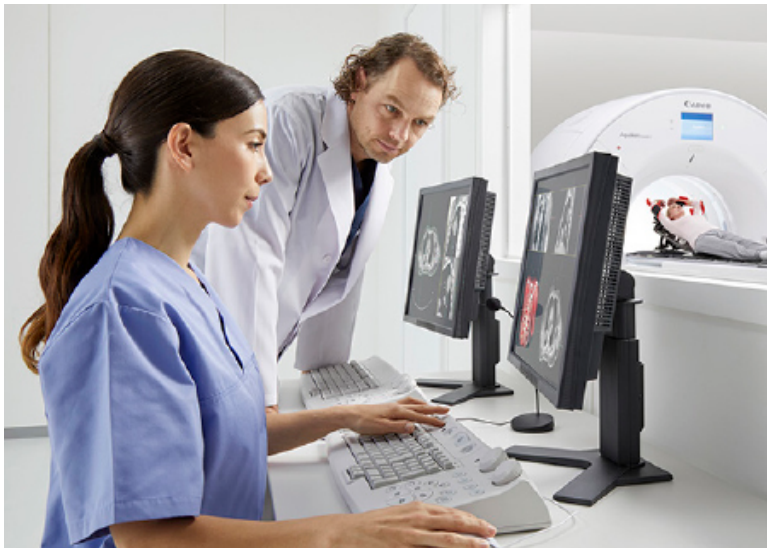
While the prevalence of cancer is expected to rise sharply, accurate radiation therapy planning plays a key role in positively impacting survival rates. Introducing the all-new Aquilion Exceed LB.

An advanced radiation oncology solution

With its large bore, the Aquilion Exceed LB enables you to easily position your patients with extraordinary precision. Its powerful AI-based imaging technologies and advanced treatment-specific features allow for an efficient radiation oncology workflow without compromising on patient position, image quality, or reproducibility.

See the bigger picture with a new wide-bore CT

Transforming radiation oncology, the Aquilion Exceed LB's [award-winning design](#) includes a 90 cm wide bore and features edge-to-edge extended reconstruction and Canon Medical's Advanced intelligent Clear-IQ Engine (AiCE) Deep Learning Reconstruction technology, so you can quickly obtain sharp, clear, distinct images with excellent delineation.

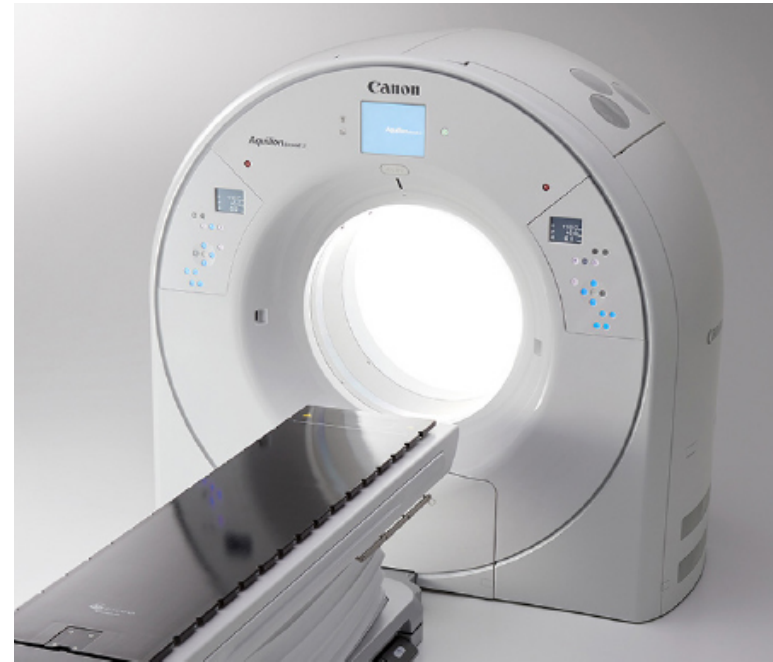


Experience an intelligent radiation oncology workflow

Enhance your productivity and maximize your clinical capabilities at every stage. From acquisition to simulation, the Aquilion Exceed LB has the latest tools and applications for quick patient set-up and respiratory motion management.

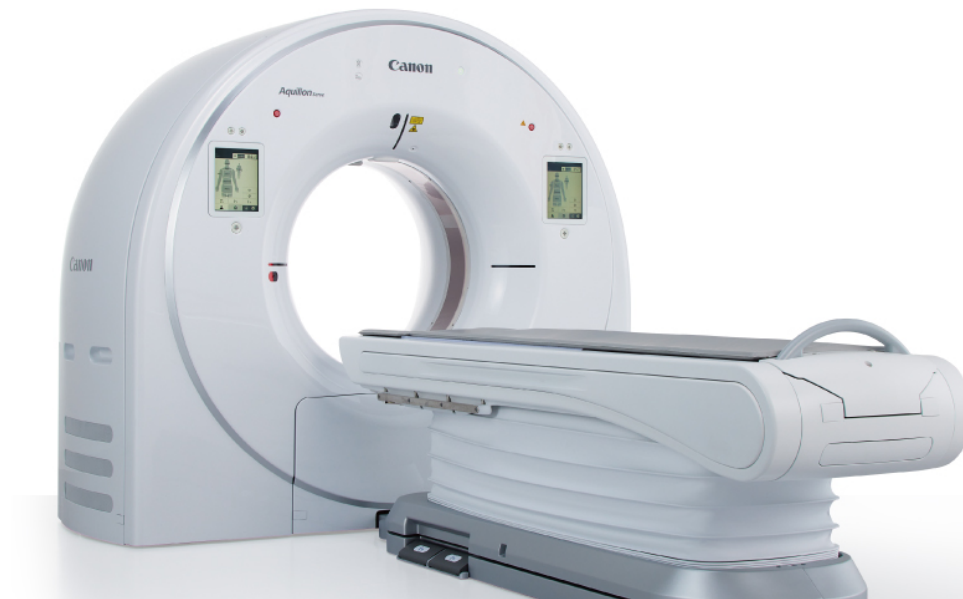
Broaden your business horizons with a new oncology care solution

The Aquilion Exceed LB is a smart, efficient solution designed to enhance your operations and expand your clinical capabilities to deliver a tailored approach in oncology care.



Meaningful innovation.
Made possible.

Computed Tomography



Computed Tomography

At Canon Medical, we're making our Aquilion family of industry-leading CT scanners even better with AI-assisted technologies that redefine the way you diagnose and treat patients.

Make every scan as safe as possible with advanced AI-assisted technologies that keep the dose low and the image quality high. Stand out with a CT solution that optimizes your workflow, improves patient experience and helps you save time and money every step of the way. Access all the information you need to make a clear, confident diagnosis that enables every patient to start the right treatment journey for them.

Introducing Aquilion Serve

Our newest scanner features the same low-dose, AI-assisted technologies that you have come to expect from us, with the added benefit of a simplified and streamlined workflow.

What's next in CT for Canon Medical?

Canon Medical now offers updates to the Aquilion ONE / PRISM Edition. With Precise IQ Engine (PIQE), we have added super resolution Deep Learning Reconstruction for CT cardiac scans that will further improve the level of image quality that Aquilion ONE / PRISM Edition can deliver. Another new feature is the SilverBeam Filter, which allows CT lung cancer screening at a dose on the order of a chest X-ray exam.

Aquilion Exceed LB



Expand your view in radiation oncology

An advanced radiation oncology solution, the new Aquilion Exceed LB helps you in fast and efficient CT simulation without compromising on patient position, image quality, or reproducibility.

Mobile CT Solution

Clinical Confidence Anywhere

Harness the power of the Aquilion Prime SP systems wherever and whenever you need them. The design of our mobile medical equipment allows for high-patient throughput, without compromising on patient safety, workflow, or image quality.



Spectral

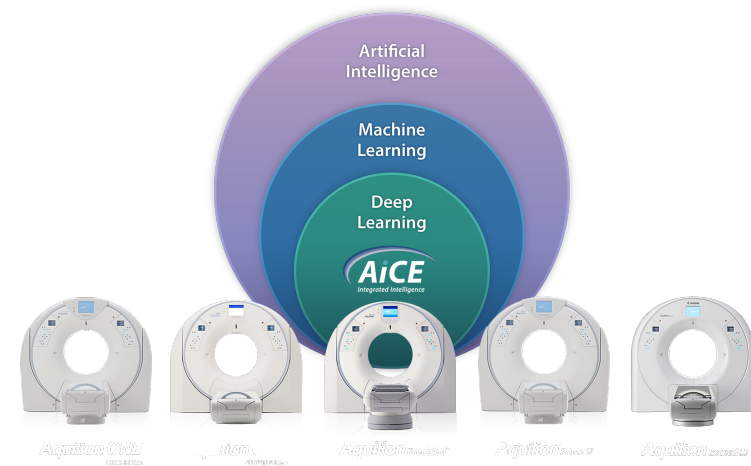
Introducing Deep Learning Spectral Imaging

Canon Medical's Deep Learning Spectral CT system has been designed to take your imaging capabilities to a whole new level.

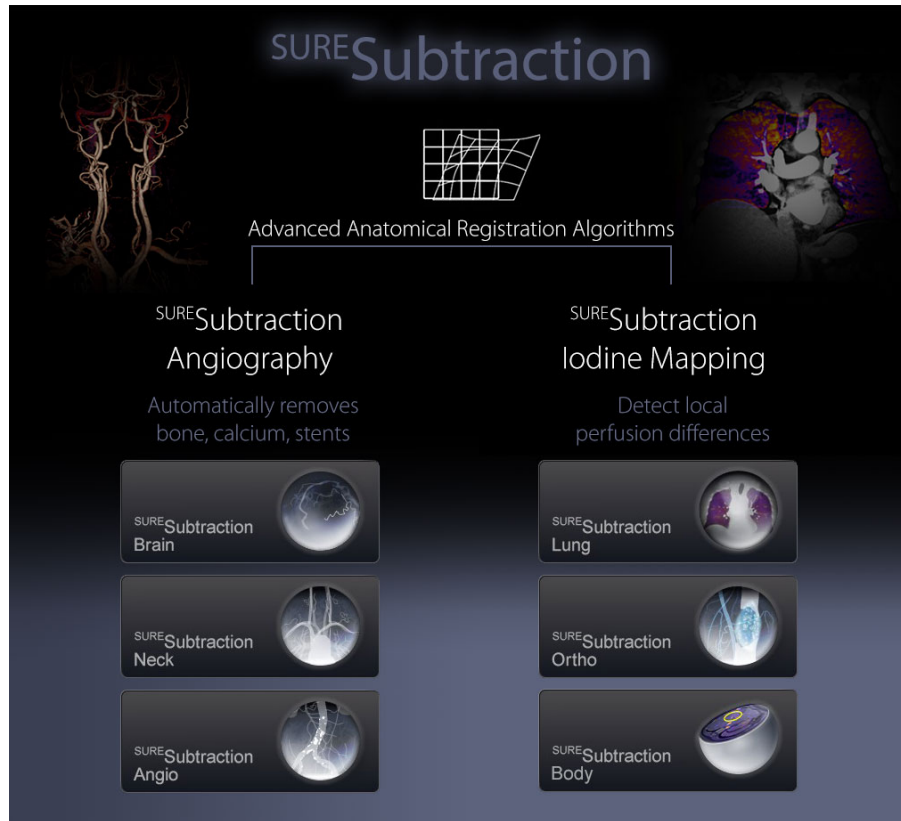
Integrated Intelligence

Advanced intelligent Clear-IQ Engine (AiCE)

AiCE is a revolutionary approach to CT reconstruction that uses Deep Learning innovation to match the spatial resolution and low-noise properties of advanced model-based iterative reconstructions to produce high quality images at low doses.



Enhanced Iodine Imaging



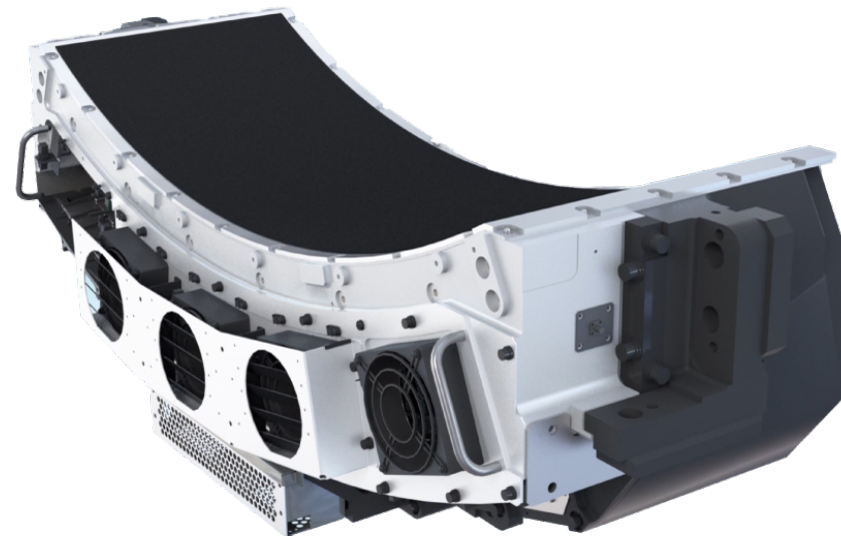
Angiography SURESubtraction CT & Iodine Mapping SURESubtraction CT

Upgrade every multi phase CT protocol with enhanced iodine imaging that provides whole organ perfusion, improves the visualization of subtle lesions, and provides an excellent view of vessel lumens that is free from calcium stents and bone.

Canon Medical Systems' latest CT detector

PUREViSION CT Detector

See how Canon Medical Systems' PUREViSION CT detector technology improves light output by 40% with more efficient use of X-ray photons.



Clinical applications for CT

Advanced Visualization

Advanced visualization solutions designed to grow with the needs of your organization



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