GE HealthCare

Optima™ CT660

Upgrade

There is so much more you can do with your Optima CT660

Clinical and operational practices are evolving fast, driving challenges like higher exam volumes, stricter dose requirements and added procedures — all while preserving patient care and staff satisfaction.

As your needs shift, so should your scanner. With Optima CT660, users can tackle emerging challenges and boost clinical and operational capabilities without buying new equipment.

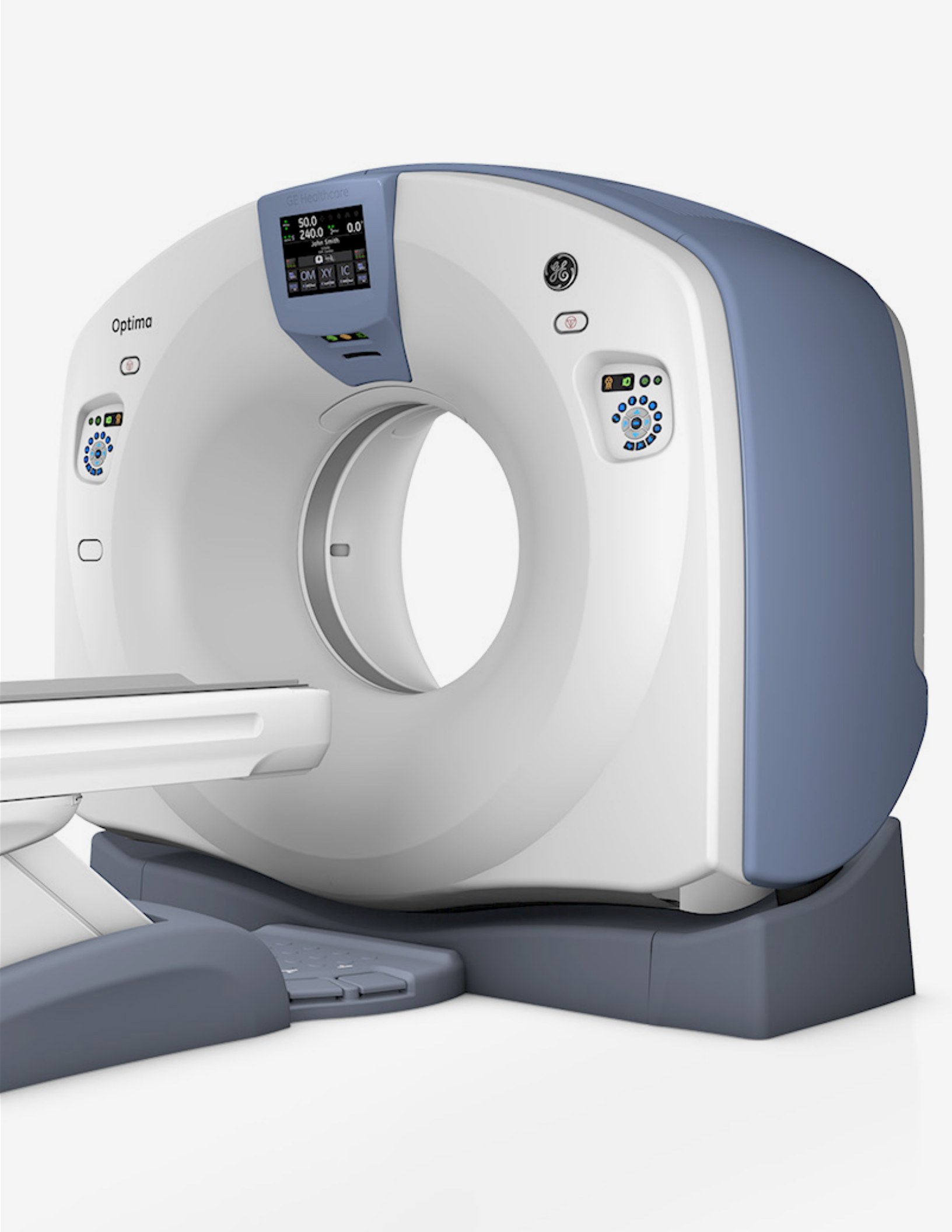
A new era of imaging is here. Your Optima CT660 is ready to lead the way.

Upgrade offering options

Console upgrade

Elite upgrade

Gen 5 upgrade


GE Healthcare
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A new console generation upgrade for your need for speed

Our next generation console is designed to enhance the performance and capabilities of your Optima CT660

Improved reconstruction speed

Up to 70 fps
of improved image reconstruction speeds

40% faster
compared to the previous console

Image storage boosted

Simpler console data storage management

Up to 3x more images
can be stored on the console

Faster workflow

Faster workflow for **every kind of examination,** providing **shorter exams** and **better patient comfort**

Thanks to **faster image recon speeds,** you spend less time waiting for the whole exam completion, even for more complex procedures

Increased throughput

Faster image reconstruction speed help to **improve scan efficiency** and may help increase daily exam workload

Z8g5
1150 mm scan range
1840 images at 0.625 mm

115 sec
recon time with Z800

53 sec
recon time with Z820

27 sec
recon time with Z8g5

Optima CT660 Elite upgrade

Get faster and clearer results

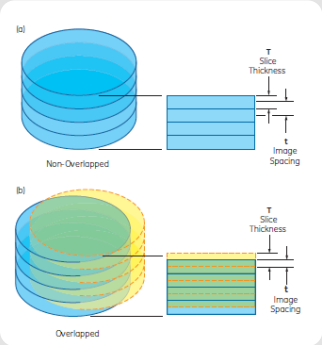
128 slices[1], 0.35 sec rotation speed

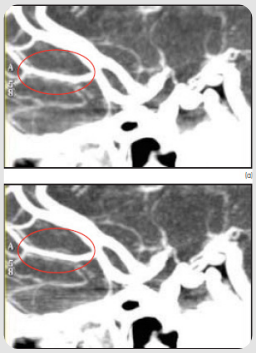
128 slices for 40 mm detector coverage

0.625 mm x 64 channels and overlapped reconstruction provides increased resolution

Improved performance in all clinical areas

0.35 sec rotation speed enabled for cardiac CT and pediatric, improving temporal resolution and minimizing artifacts





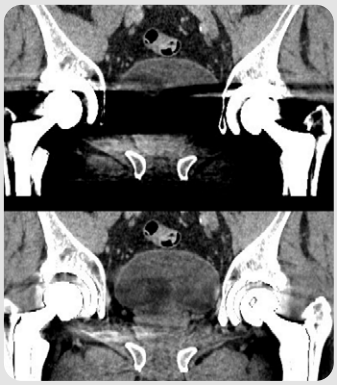
ASiR-V and Smart MAR

Up to 135%[2] improvement in LCD at the same dose

Up to 82%[2,3], dose reduction compared to standard FBP at the same image quality

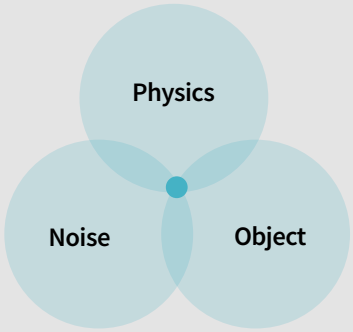
Up to 107%[2] spatial resolution improvement at same image noise

Smart MAR (Metal Artifact Reduction) helps reduce beam hardening and streak artifacts caused by metal in the body



Smart MAR

ASiR-V



Increase resolution up to 2x[2]

ASiR-V for low dose routine imaging

Improve image quality, lower dose

ASiR-V is a proven iterative reconstruction technology designed to be used for all applications, allowing you to use lower dose and improve image quality.

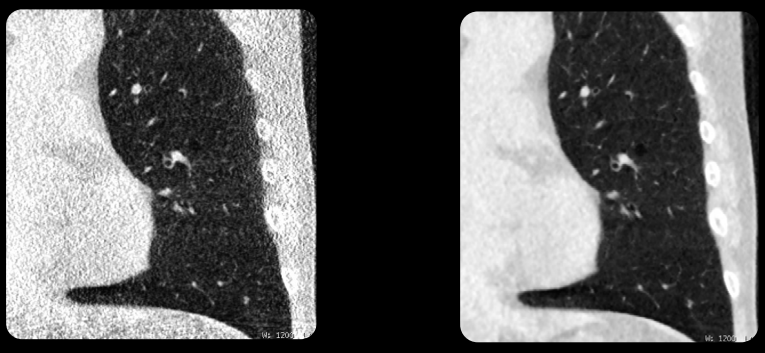
Up to 82%[2]
reduction in dose compared to FBP at the same image quality[3]

Up to 135%[2]
improvement in LCD at the same dose

Up to 107%[2]
spacial resolution improvement at the same image noise

Ultra-low-dose chest (0.08 mSv) reconstruction with filtered back projection (FBP)

Same study reconstructed using ASiR-V



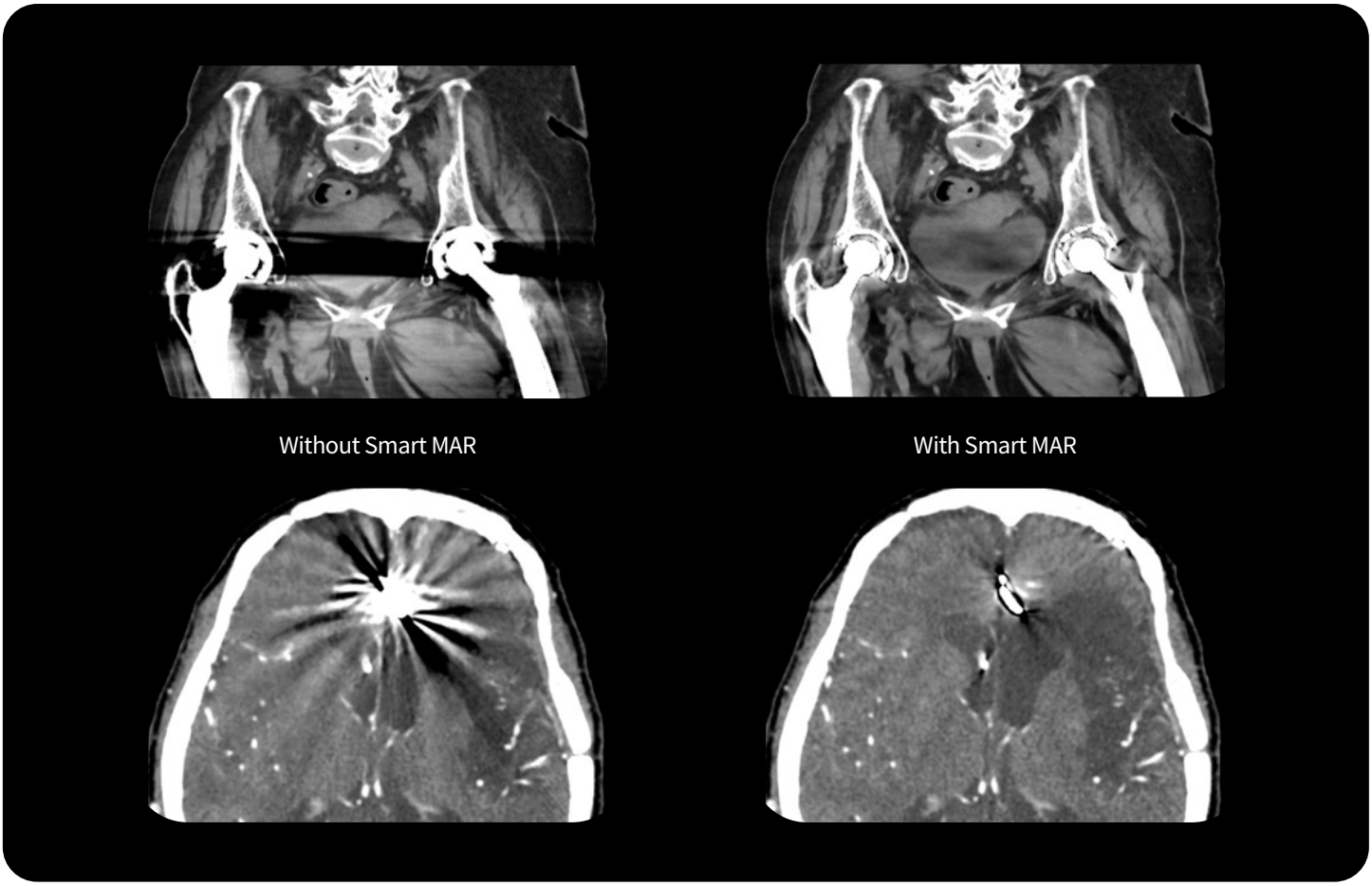
Helical, 80 kV, 6 mAs, 0.984 pitch, 0.17 mGy CTDIvol, 5.95 mGy-cm DLP, ASiR-V 100%

Smart MAR for artifact-less imaging

Single acquisition, metal artifact-free

Smart MAR is designed to help reduce photon starvation, beam hardening and streak artifacts caused by metal in the body including hip implants, clips, screws, and dental fillings.

An innovative approach in the projection domain. One acquisition, no additional interaction required.



Remain at the forefront of innovation in CT with the Optima CT660 gen 5 upgrade

CT Smart Subscription for a CT that keeps getting better

GE HealthCare's subscription-based service for CT helps you keep your computing platform and software up to date and keep pace with clinical and workflow innovations by providing the latest upgrades and updates to your CT capabilities[4].

Keep pace with clinical and workflow innovations by providing the latest upgrades and updates to your CT capabilities as soon as they're available[5].

Pick the plan that's right for you. Smart Subscription includes a broad range of application packages across many different imaging services, giving you the flexibility to choose how you want to expand your CT capabilities.

CT

Optima CT660

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Smart Subscription Unlimited

Continuity Premium

Recon & IQ
ASiR-V
Smart MAR

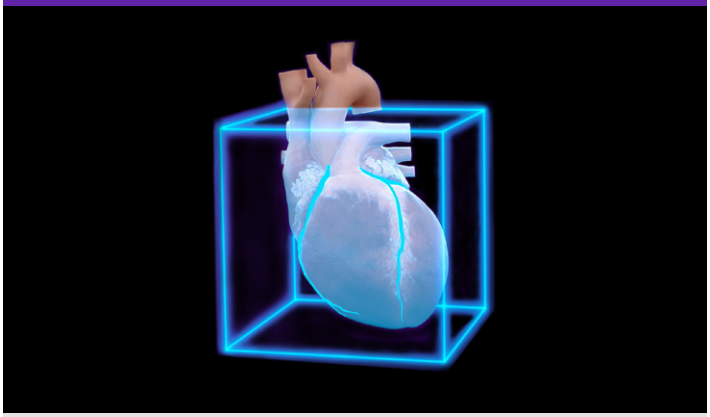
Cardiology
SnapShot Freeze 2
CardIQ Xpress 2.0
Reveal
SmartScore 4.0

General Imaging
Spine Auto Views
Head Auto Views
Bone VCAR
VessellQ Xpress with AutoBone Xpress

Neurology
FasteStroke with StrokeSENS[5]
Send by email
Auto Batch
CT Perfusion 4D Neuro
Dynamic Shuttle

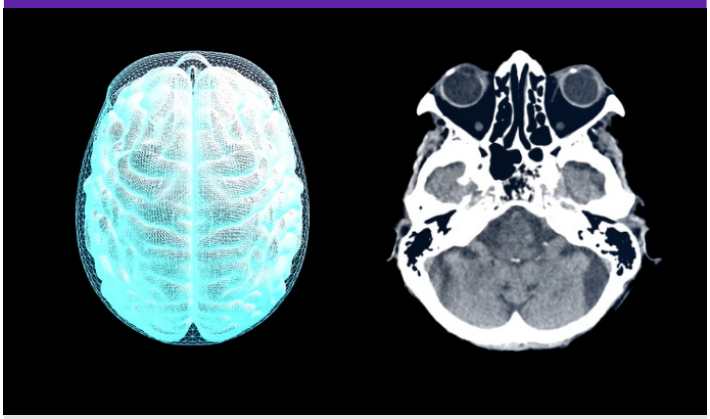
Designed to automate your image post-processing and facilitate results sharing with a fully automated workflow

SnapShot Freeze 2[7]



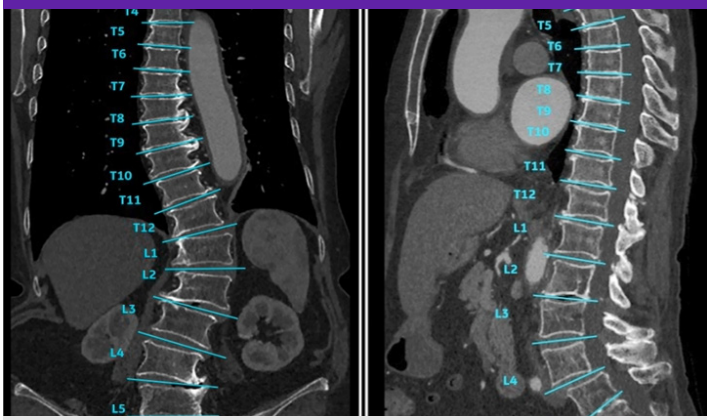
Automated whole heart motion correction

Head Auto Views[7]



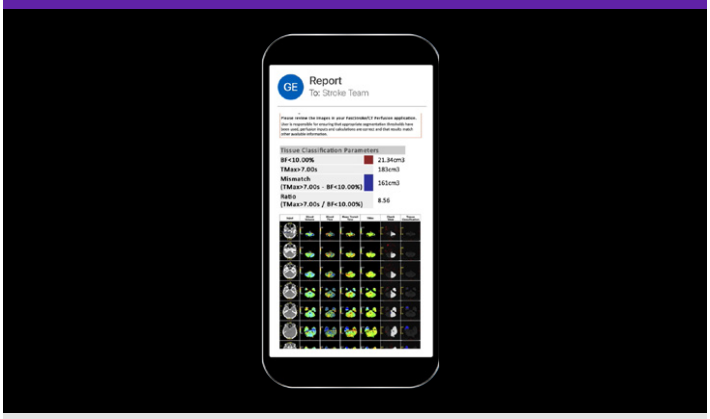
Automatically generate anatomically aligned head reformatted views

Spine Auto Views[7]



Automatically generate anatomically aligned and labeled spine reformatted views

FastStroke with StrokeSENS[6,7]



Automatic processing of ischemic stroke cases and emailing results

About GE HealthCare Technologies Inc.

GE HealthCare is a leading global medical technology, pharmaceutical diagnostics, and digital solutions innovator, dedicated to providing integrated solutions, services, and data analytics to make hospitals more efficient, clinicians more effective, therapies more precise, and patients healthier and happier. Serving patients and providers for more than 100 years, GE HealthCare is advancing personalized, connected, and compassionate care, while simplifying the patient's journey across the care pathway. Together our Imaging, Ultrasound, Patient Care Solutions, and Pharmaceutical Diagnostics businesses help improve patient care from diagnosis, to therapy, to monitoring. We are a $19.6 billion business with 51,000 colleagues working to create a world where healthcare has no limits.

Follow us on LinkedIn, X (formerly Twitter), and Insights for the latest news, or visit our website https://www.gehealthcare.com/ for more information.

References:

[1] The overlapped reconstruction feature enables 128 slices per rotation in Axial scanning modes and delivers improved Z-axis visualization performance relative to non-overlapped reconstruction.

[2] In clinical practice, the use of ASiR and ASiR-V may reduce CT patient dose depending on the clinical task, patient size, anatomical location, and clinical practice. A consultation with a radiologist and a physicist should be made to determine the appropriate dose to obtain diagnostic image quality for the particular clinical task. Low Contrast Detectability (LCD), Image Noise, Spatial Resolution and Artifact were assessed using reference factory protocols comparing ASiR-V and FBP. The LCD measured in 0.625 mm slices and tested for both head and body modes using the MITA CT IQ Phantom (CCT183, The Phantom Laboratory), using model observer method.

[3] Image quality as defined by low contrast detectability.

[4] Software available to customer is dependent on the software package purchased by customer

[5] Commercial availability may vary from regions to regions

[6] StrokeSENS™ is legally manufactured by Circle Neurovascular Imaging, Inc. StrokeSENS is not available for sale in all countries.

[7] Note that some applications may not be available in all countries and package content and availability may vary depending on CT systems.

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