



Discovery CT750 HD, Revolution HD and Revolution Frontier Upgrade

gehealthcare.com



Elite Upgrade

Faster, Better, More

Faster scan workflow

- Improved image reconstruction speed with 62fps (up to 77% faster compared to previous host computer – Z800 and previous versions)
- Faster scan preparation with table and gantry movement speed increase (up to 50%) and scout speed increase (up to 75%)
- 0.35 secs rotation speed for faster acquisition with every clinical application

Improved Image Quality

- 1024x1024 ultra-high-resolution reconstruction to enhance visual resolution
- Reduced artifact with Smart MAR – Helps reduce beam hardening and streak artifacts caused by metal in the body
- Improved image quality in neuro and bone exams with new reconstruction kernels

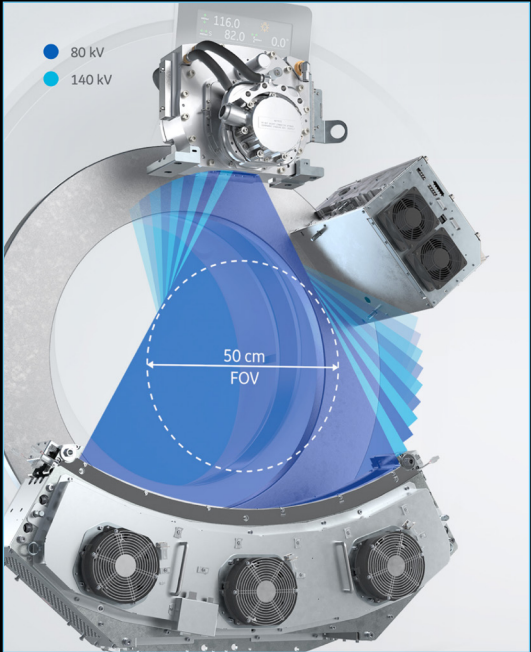
Enhance your Spectral CT experience*

- Enhance your GSI workflow with GSI Pro
- GSI recon speed enhancement from 2/3fps to 10fps with GSI Pro
- GSI Assist and GSI interrupt/resume capability to streamline spectral imaging workflow for routine exams

*For current GSI users.



Z8g4



512

1024

GSI Pro in Abdominal Emergency imaging

Revolution Frontier Gen 3

Acquisition

• Scan Type	GSI 40mm helical
• Rotation time, s	0.6
• Pitch	0.984
• Slice, mm	1.25
• Kernel	Standard
• ASiR-V %	30/60
• CTDI vol, mGy	13
• DLP mGy x cm	657
• kV	~
• mA	375

History

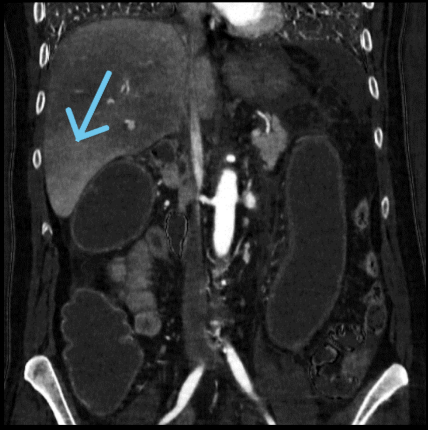
- Abdominal pain, emesis

Scan Purpose

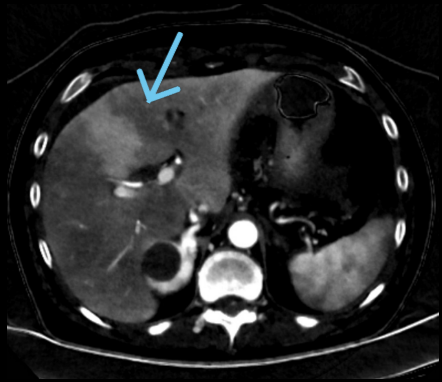
- Abdominal Emergency

Findings

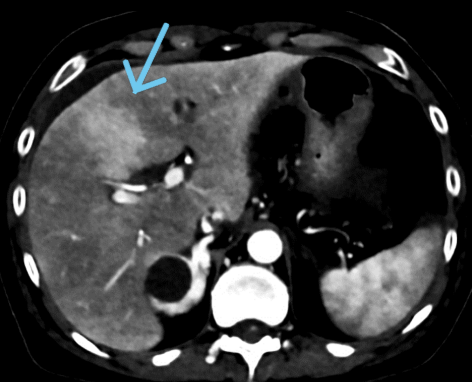
- Gall bladder perforation
- Hypoperfusion of the sigmoid loop wall
- Dolichocolon
- Liver hyperperfusion



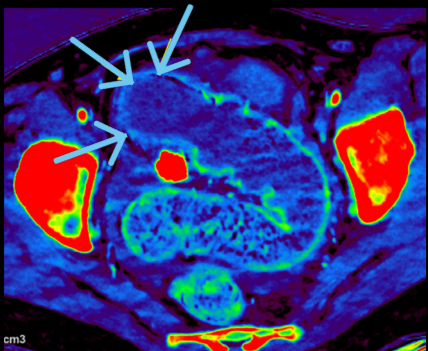
MD Iodine/Water



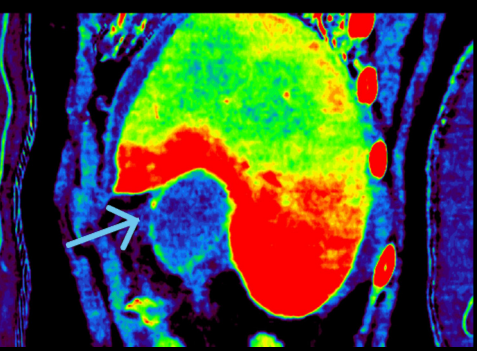
MD Iodine/Water



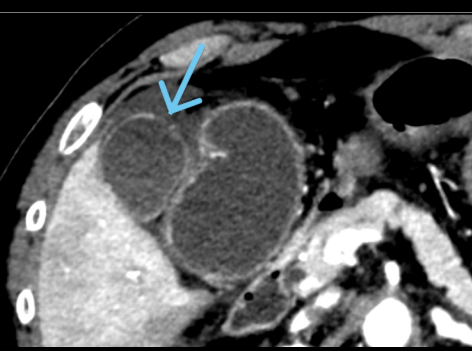
65 KeV



MD Iodine/Water



MD Iodine/Water



65 KeV

Abdomen for diffuse pain on a 46 BMI patient with TrueFidelity

Revolution Frontier Gen 3

Acquisition

- Scan Type Helical
- Rotation time, s 0.35
- Pitch 0.516
- Slice, mm 0.625
- Reconstruction TF, AV50, FBP
- Algorithm Standard
- kV 120
- mA Mod
- Noise index 34
- Contrast
 - ml 108
 - mgI/ml 350
- BMI 46
- CTDIvol, mGy 17,9
- DLP, mGy-cm 896
- mSv (*K-factor) 12,6

History

- Abdominal pain



FBP



ASiR-V 50



TrueFidelity

Gen 3 upgrade

Ready for the future

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*For current GSI users.

Latest clinical innovations with Smart Subscription

- Discover Deep Learning Image Reconstruction with TrueFidelity images
- Access to a broad range of application packages and keep pace with innovations

Smart Subscription offering

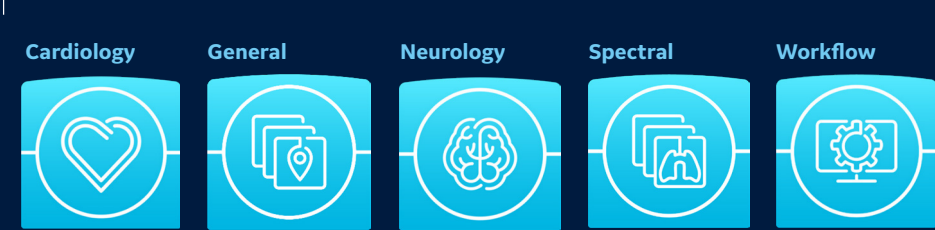
- Subscription-based service for CT that helps you keep your computing platform and software up to date.
- Keep pace with clinical and workflow innovations by providing the latest upgrades and updates to your CT capabilities² as soon as they're available.
- Pick the plan that's right for you. Smart Subscription 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.

Base



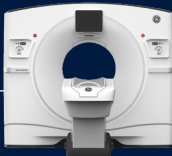
- TrueFidelity
- ASiR-V
- Smart MAR

Additional package



- SnapShot Freeze 2
- CardIQ Xpress 2.0 Reveal
- SmartScore 4.0
- Bone VCAR
- VessellIQ Xpress with Autobone Xpress
- FastStroke with StrokeSENS¹
- CT Perfusion 4D Neuro
- Dynamic Shuttle
- GSI Pro
- GSI Viewer
- Thoracic VCAR with GSI Pulmonary Perfusion
- Imaging Protocol Manager

 Smart Subscription Unlimited



Note that some applications may not be available in all countries.
1. StrokeSENS™ is legally manufactured by Circle Neurovascular Imaging, Inc. StrokeSENS is not available for sale in all countries
2. Software available to customer is dependent on the software package purchased by customer

Smart Subscription Packages

Automate your CT workflow from protocoling to image processing and deliver the latest innovations to improve image quality, reduce dose and minimize localized artifacts

Recon and IQ



Delivering the latest innovations to improve image quality, reduce dose, and minimize artifacts.

Exceed your expectation of image quality with TrueFidelity, Deep Learning Image Reconstruction.

Improve IQ, reduce dose, with ASiR-V¹ and minimize metal artifacts with Smart MAR.

Cardiology



Automate Cardiac CT post processing and streamline your workflow.

Improve Cardiac exams with automated whole heart motion correction thanks to SnapShot Freeze 2.

Get access to cardiac post-processing applications for coronary analysis and calcium scoring, with CardIQ Xpress 2.0 Reveal and SmartScore 4.0, directly from the operator console or from a remote client, to speed up your image review and diagnostic workflow.

Neurology



Simplify the Stroke CT workflow and the communication within the stroke team.

Get access to stroke CT post-processing applications with FastStroke with StrokeSENS² directly from the operator console or from up to 4 remote clients, simultaneously to speed up your image review and diagnostic workflow within your stroke team.

General



Streamline the processing and reading of routine CT exams.

Get access to CT vascular and spine imaging applications with VessellIQ Xpress with AutoBone Xpress, and with Bone VCAR, directly from the operator console or from another remote client, to speed up your image review and diagnostic workflow.

Spectral



Enable spectral imaging studies and simplify the reading and analysis of spectral datasets.

Enable spectral imaging exams with GSI Pro. Get access to Spectral post-processing applications with GSI Viewer, directly from the operator console or from another remote client, to speed up your image review and diagnostic workflow.

Workflow



Optimize the workflow and output of your CT scanner.

Simplify protocol management across your GE devices with Imaging Protocol Manager.

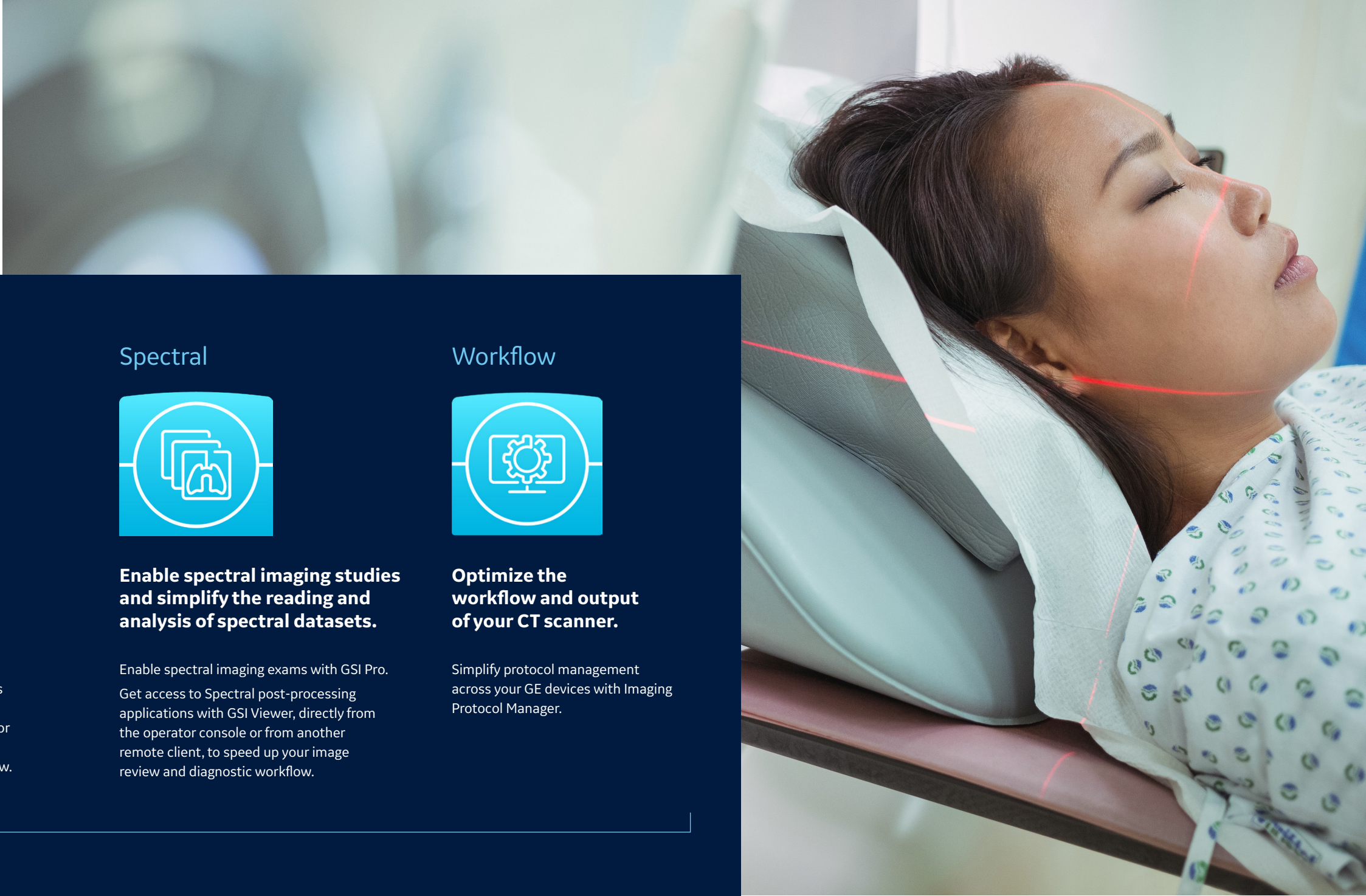


Including future updates & upgrades

Note that some applications may not be available in all countries

1. In clinical practice, the use of 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. Image quality as defined by low contrast detectability

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

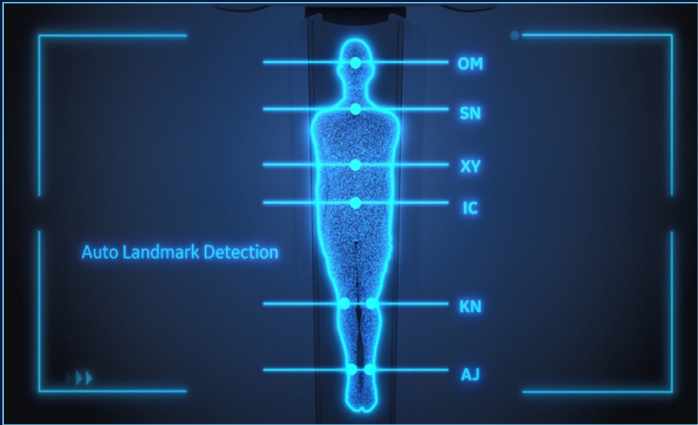


Additional Capabilities¹

Bring in Intelligence and Efficiency into workflow

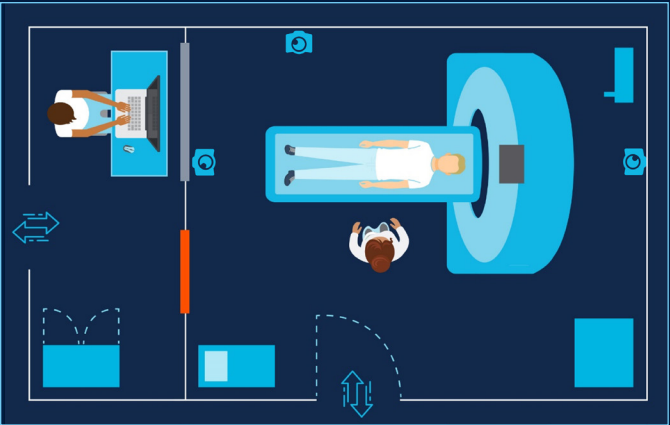
Auto Positioning²

Automated workflow and personalized scanning.



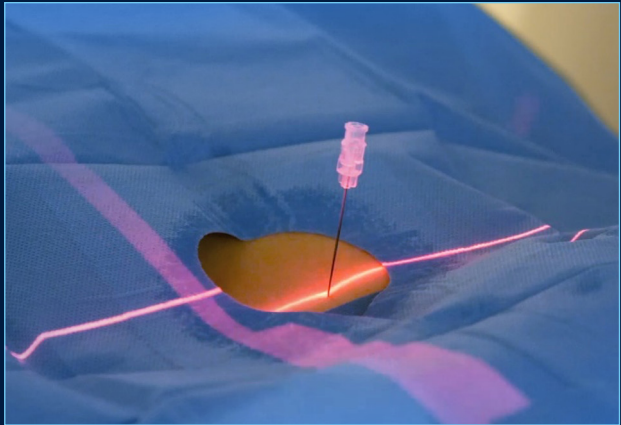
Remote control suite²

Minimize potential contamination risk between gantry and console rooms.



SmartView 3D

See well. Target precisely.
Streamlining interventional CT.



Gen 3

Customized benefits for every user or persona

Radiologist



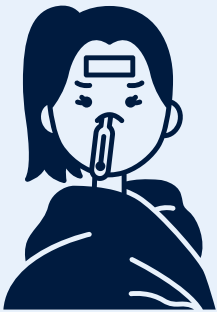
- Improved image quality with TrueFidelity images
- Enhanced visual resolution with 1024x1024 ultra-high-resolution reconstruction
- GSI Pro² improve lesion detection and characterization, streamline spectral imaging workflow for routine exams
- Always access to the latest applications with Smart Subscription
- Fast, precise interventional CT guidance with SmartView 3D^{1,2}

Technologist



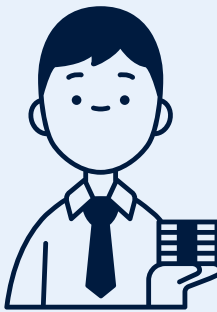
- Faster scan workflow reduce scan preparation time and improve recon speed
- Access to advanced applications with improved work efficiency and clinical capability
- Automatic workflow and personalized scanning. Improve efficiency and consistency through auto positioning and remote-control suite

Patient



- Better patient comfort with faster scan and reduced time in the CT room
- Low dose imaging with ASiR-V³
- Access to advanced diagnostic capabilities that may improve diagnosis accuracy

Administrator



- Investment protection through Smart Subscription and upgradability
- Manage patient throughput for CT department with workflow enhancement and scan consistency
- Wider range of CT diagnostic services

1. Optional; 2. Not available for HDe2 and HDe3 configurations; 3. In clinical practice, the use of 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. Image quality as defined by low contrast detectability.



Building a world that works

GE Healthcare provides transformational medical technologies and services to meet the demand for increased access, enhanced quality and more affordable healthcare around the world. GE (NYSE: GE) works on things that matter – great people and technologies taking on tough challenges.

From medical imaging, software & IT, patient monitoring and diagnostics to drug discovery, biopharmaceutical manufacturing technologies and performance improvement solutions, GE Healthcare helps medical professionals deliver great healthcare to their patients.

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