

Introducing

Revolution Aspire

Revolution Aspire is not 510k cleared by the US FDA and is not yet CE marked. It is not available for sale in the United States or the EU and is also not commercially available in all markets



GE HealthCare

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Revolution Aspire

Accommodate
a larger variety
of patients

Sub-second
Scan time to
increase patient
throughput

Power
your practice with
continuous scanning
and higher uptime

Intelligent IQ
To provide
exceptional
clinical outcomes

Reduced radiation
dosage
for patients
& clinicians' safety

Enhanced
productivity to
help grow your
practice



GE HealthCare

Notices (1 of 2)

ASiR, Autobone, DoseWatch, and Revolution are all trademarks of General Electric Company.

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Actual Digital Tilt workflow improvement results may vary depending on the circumstances, including but not limited to, exam type, clinical practice, and image reconstruction technique. This information was based on a simulation using the GE Healthcare Revolution Aspire device and is presented for illustrative purposes only.

Notices (2 of 2)

In clinical practice, the use of ASiR 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 artifacts were assessed using reference factory protocols comparing ASiR and FBP.

Solutions

▲ More success with the new Revolution Aspire

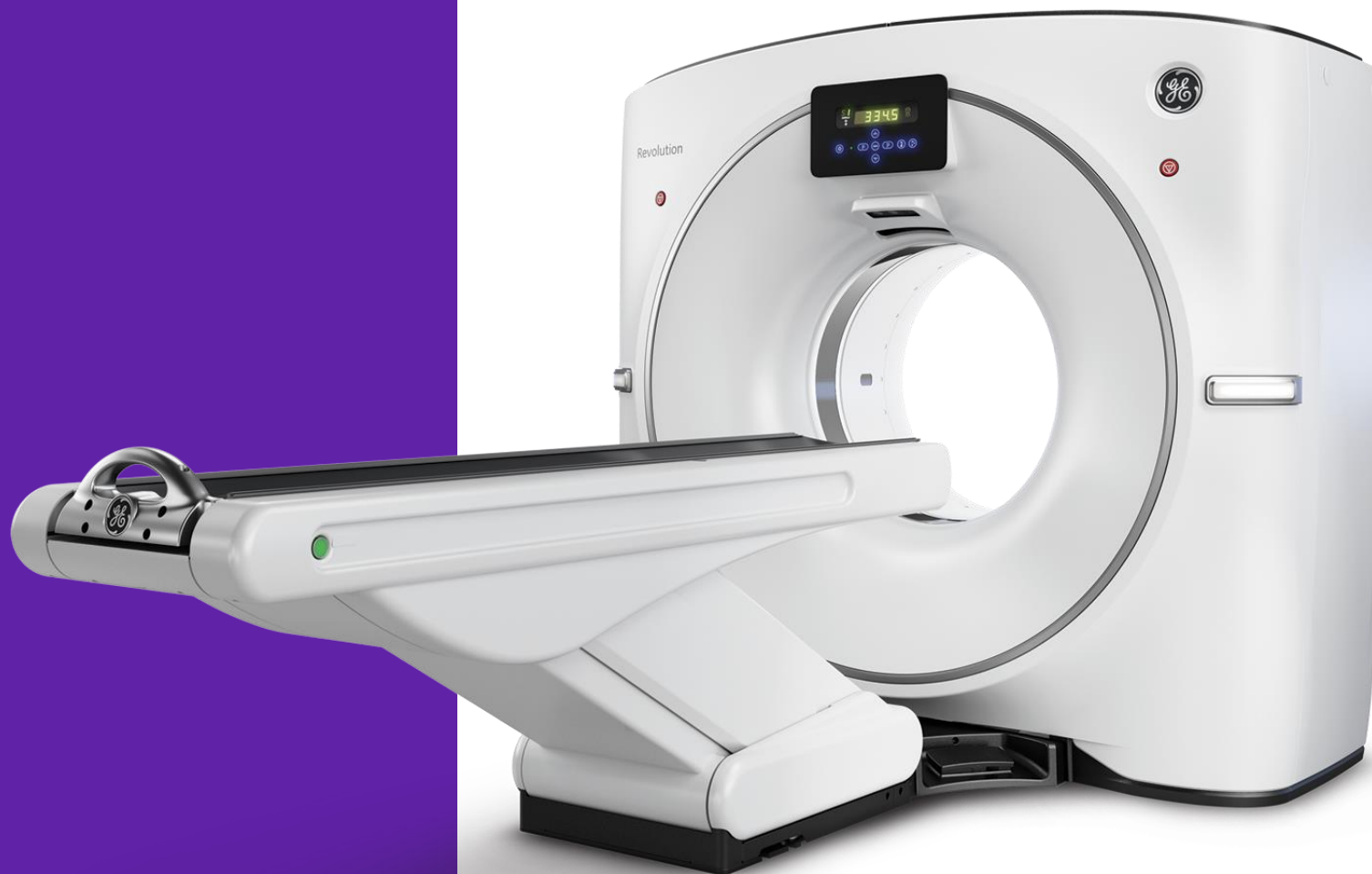


Revolution Aspire

When you aspire to build a winning business, the Revolution Aspire is exactly what you need.

Revolution Aspire is a comprehensive CT solution that enables you to provide superior care to a greater number of patients at a lower cost. Thus empowering you to continue growing your CT practice profitably* in a highly competitive market.

It is designed with an easy-to-upgrade hardware in mind helping to ensuring your practice continued viability of cutting edge technology for years to come.



Benefits | Technology

Revolution Aspire

When you aspire to take your practice to greater heights,
the **Revolution Aspire** is exactly what you need.



Up to 50%* Increase
in Patient
Throughput



Continuous
Scanning
& Higher Uptime*



▲ Streamlined Workflow



Up to 30%*
Enhanced IQ



Larger Variety of
Patient Scans



Improved Patient Comfort



*Compared to previous generation CT scanner – data on file

▲ More stability with the powerful X-Ray tube & generator



Powerful X-Ray tube & generator, faster gantry rotation

Revolution Aspire powers your practice to the next level with the opportunity to achieve higher throughput.

Designed to enable health-care providers to transform more lives, it now helps you to serve more patients, every hour, every day, with greater speed and consistency.

Up to
50% Increased Patient
Throughput*

20% Lower breath-hold
time due to faster
scan*

*Compared to previous generation CT scanner – data on file

**ASiR can allow for scanning at lower mA and less tube heat output, resulting in ability to do longer duration helical scans similar to the capability of a 5.8MHU tube and 70kw generator

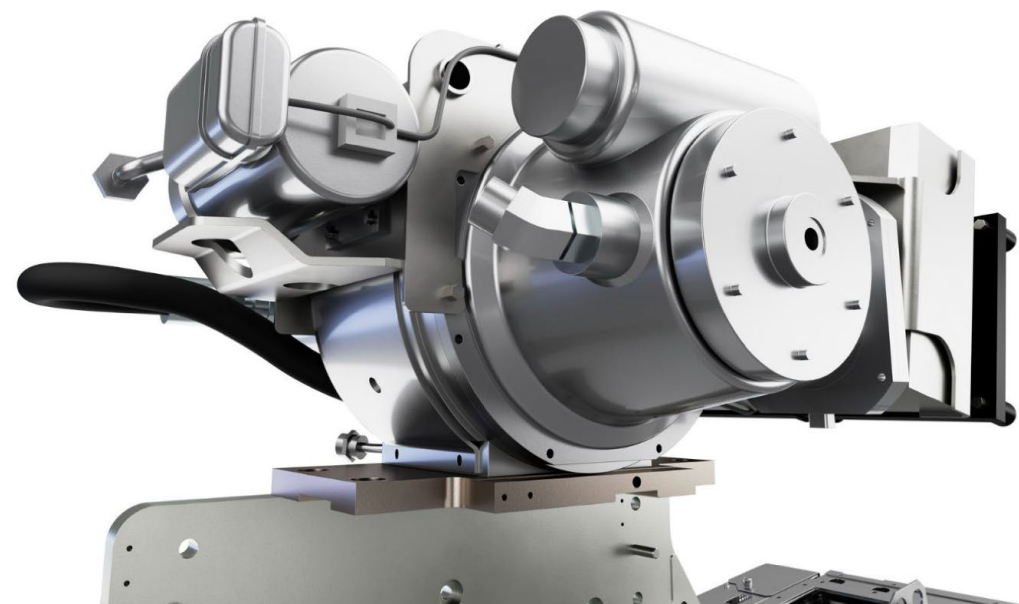
More Power and Speed

- 3.5 MHU tube (5.8 MHU)**
- 42 kW generator power (70 kW)**
- 0.8 s rotation

Improved Patient Comfort

Maintains Stability

Better Efficiency



▲ More competency with the next-generation Clarity Imaging Chain



Next-Generation Clarity Imaging Chain

See more with the state-of-the-art
Clarity Imaging Chain and enhance
your diagnostic capabilities.

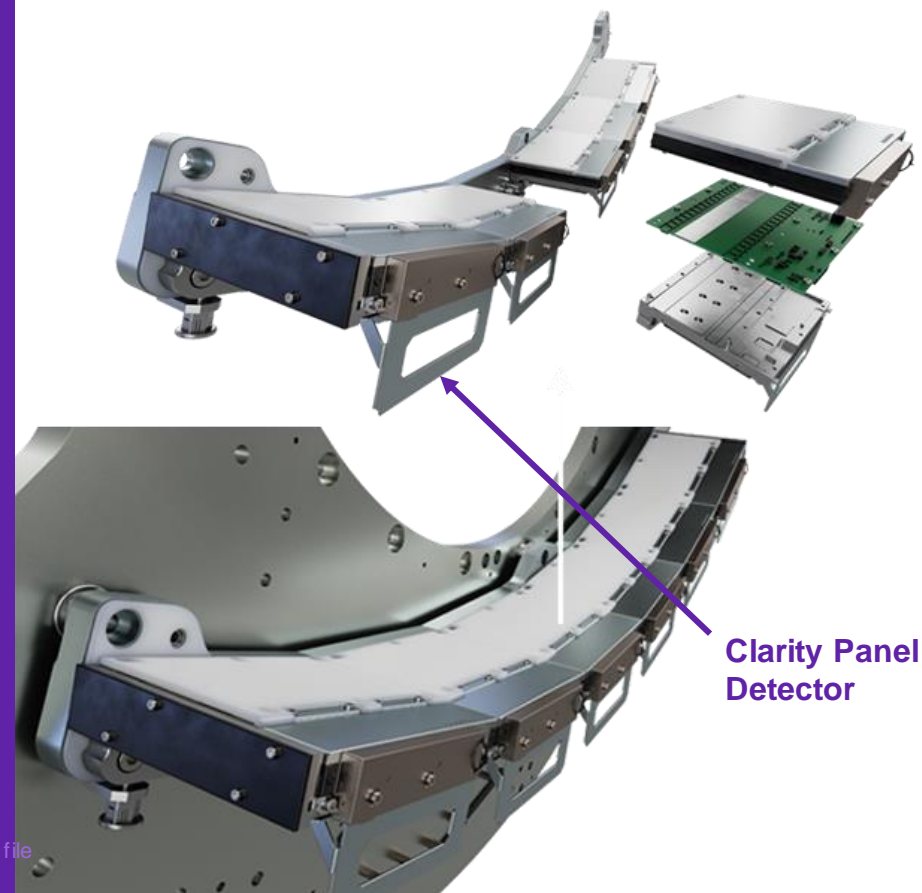
The Clarity Imaging Chain delivers superior
imaging to meet your diagnostic needs in a
variety of clinical settings.

Up to
30% Enhanced Image
Quality*

20% Lower noise for
better image quality*

*Compared to previous generation CT scanner – data on file

Innovative Image Chain Power Efficient Design



▲ **More adaptability** with the bigger bore & optimized table design



Improved Patient Experience

70cm Bore; 0.8s Rotation Speed

With a personalized approach to care, Revolution Aspire is designed to adapt to a diverse range of patients.



With its large bore of 70 cm and a patient load capacity of up to 180 kg (396 lb), it increases your ability to image a wide variety of in-patients with ease - from emergency and trauma to pediatric and from the elderly to larger sized patients.

70cm

Bigger bore allows a wider variety of patients



Optimized Table Design

Revolution Aspire is available with two types of patient tables

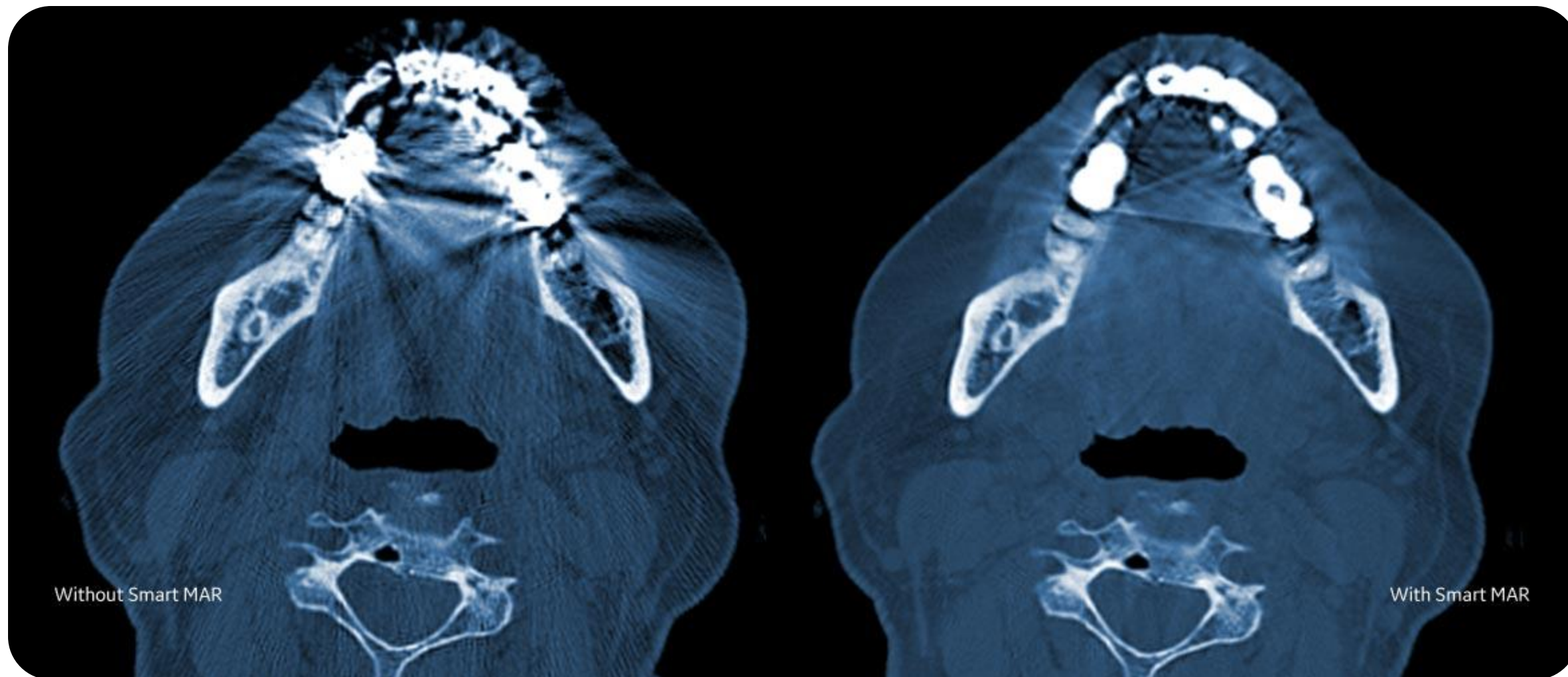
Up & Down Table which is a single table, cantilever design with wide height range.

Fixed Table with fixed height having convenient controls on the gantry for cradle movement and patient positioning.

Optimized table dimensions designed to accommodate a large variety of patients.



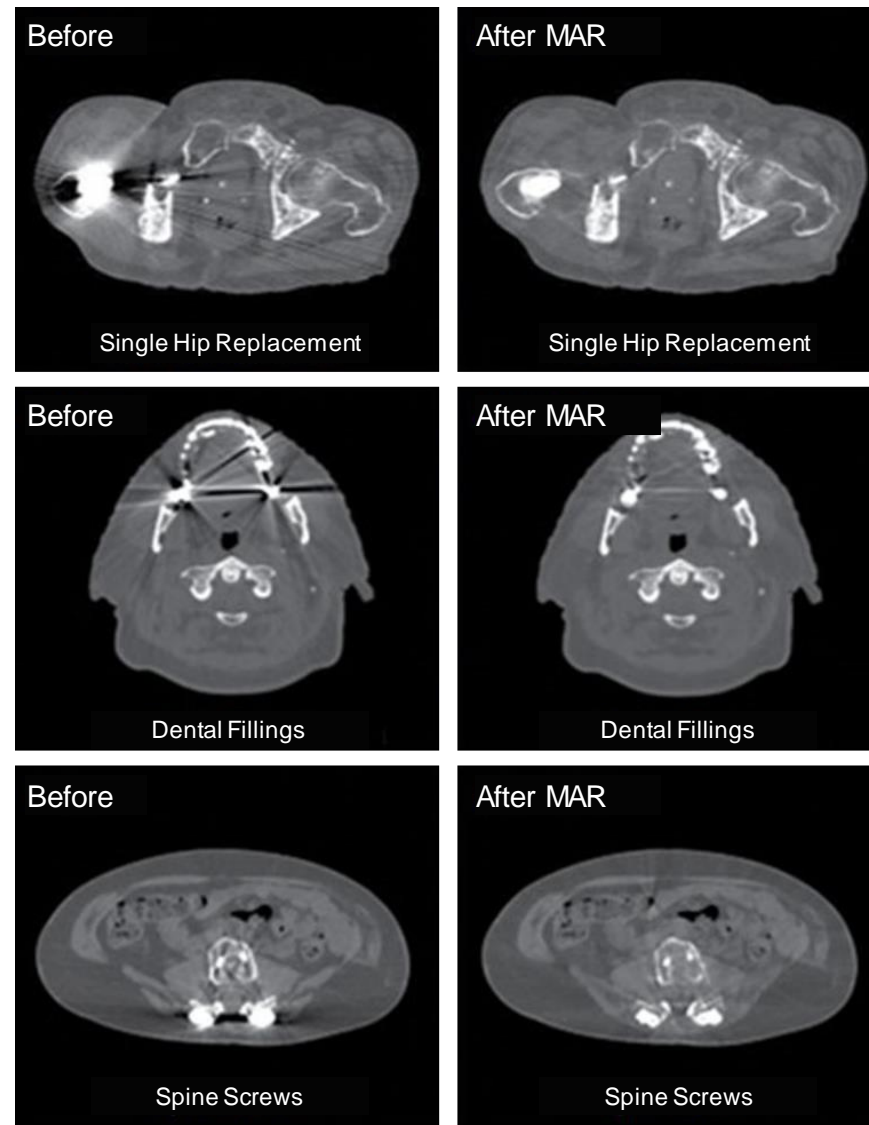
▲ More informed diagnosis with higher imaging intelligence - Smart MAR



Smart MAR, a single-acquisition metal artifact reduction technology

Rely on Revolution Aspire to help improve your diagnostic reputation with higher imaging intelligence.

Metal artifact obscures the anatomic detail making it difficult to accurately delineate the tumor. Smart MAR is designed to reveal anatomic details obscured by metal artifacts, helping clinicians utilize CT scans, diagnose disease and contour targets and critical organs with greater confidence.



Key Features



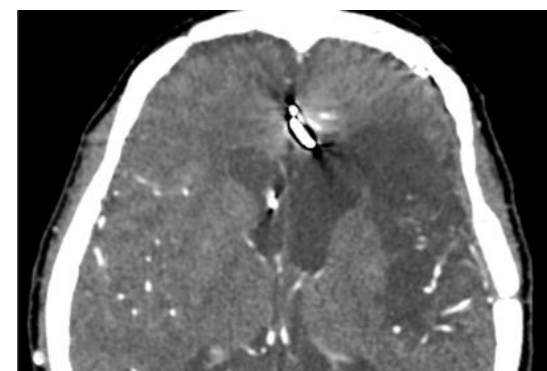
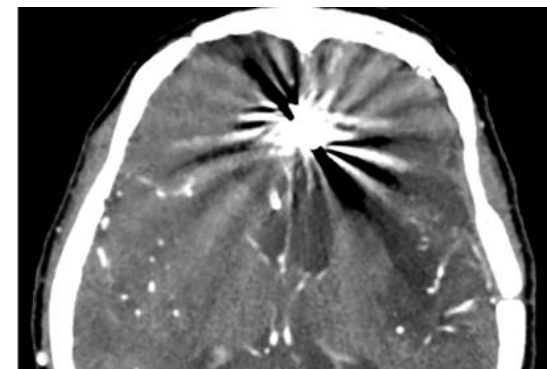
▲ Increased Comfort

The efficient, single-scan process helps reduce patient time inside the scanner



▲ Versatility

Smart MAR is designed to enhance clarity across a range of cases with metal including scans with hip implants, dental fillings, screws or other metal in the body



▲ **More ease** with the super-efficient and streamlined UI workflow



Super-efficient UI workflow

**A Smart CT for a smart business.
Smart features help you streamline
your workflow even more.**

Take advantage of the ease in patient set-up, prescription, and scanning due to simplified, automated scan prescriptions, personalized to the patient, and extremely user-friendly reference protocols.

Up to

**Increased in single
helical scan length***

33%

Up to

85%

Faster daily prep*

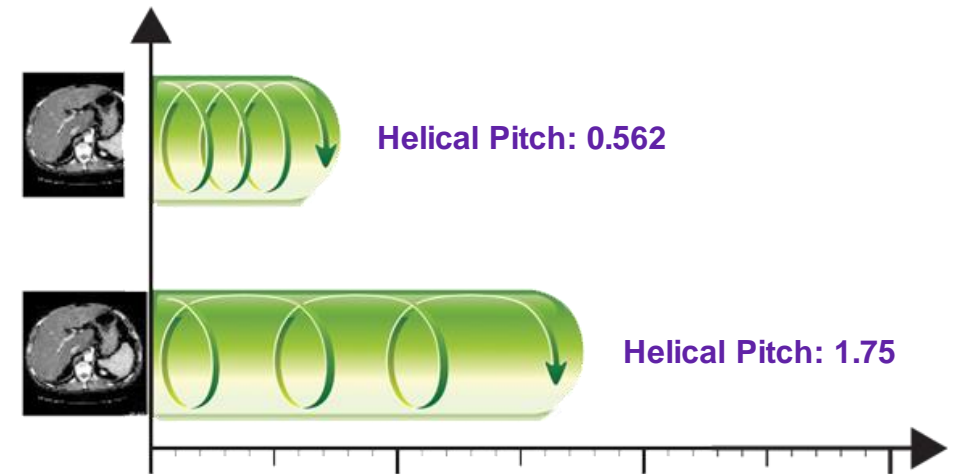
*Compared to previous generation CT scanner – data on file



IQ Enhance

IQ Enhance enables high speed helical scanning with same image quality

- IQ Enhance (IQE) reduces helical artifacts which are important for image quality of thin-slice helical scans.
- Revolution Aspire with this feature can accelerate its helical pitch up to 70% (e.g. 0.562 to 1.75, @16slice) when acquiring the same helical artifact level compared with the same scanner with IQ Enhance disabled.
- This coverage speed is equivalent to that of a 50-slice wider detector CT scanner at same table speed.



SmartPlan

Intelligent anatomy recognition and localizer setting using SmartPlan

- SmartPlan is a workflow feature that enables a simple scan process setup. It is enabled through protocol management.
- It helps simplify localization of the scan range including start and end location, DFOV, tilt (if applicable) etc.
- SmartPlan incorporates novel algorithms that analyze scout images to aid scan setup
- It can be utilized for all daily scans including head, chest, abdomen, pelvis and a combination of anatomies.



SmartPrep

With Dynamic Transition

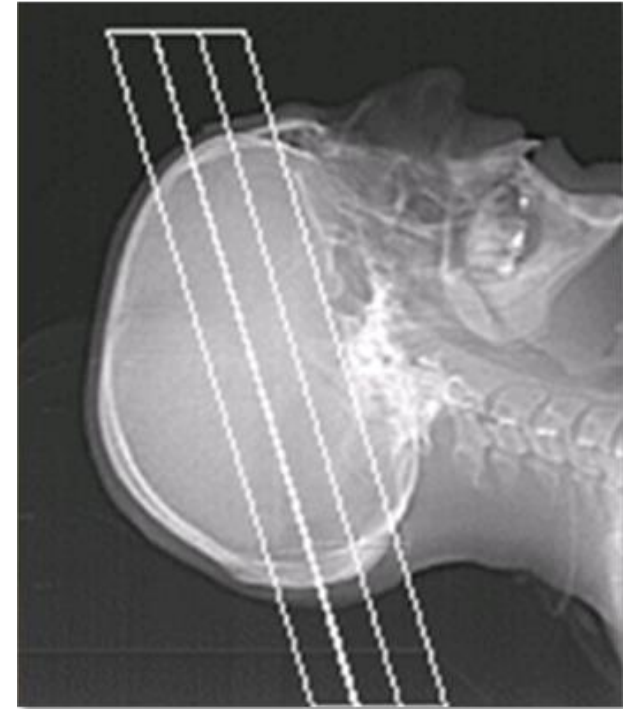
- SmartPrep allows intermittent monitoring of IV contrast enhancement in an area of interest using low-dose scan
- Dynamic transition provides automatic transition from the monitor phase to scan phase
- Multiple regions of interest can be setup based on patient and protocol need
- Entire workflow is efficient for operator with minimal intervention



Digital Tilt

Reconstructing Tilted Views

- Volume helical digital tilt is an innovation in image reconstruction technology that allows clinicians to reconstruct tilted views of up to 30 degrees without the need for physically tilting the scanner.
- Digital tilt exams are efficient since operators can setup the entire workflow from their console without the need for multiple trips between console and gantry controller.
- With a volume helical acquisition, clinicians have the additional advantage of leveraging powerful post processing and visualization tools for creating volume rendering, multiplanar reformatting (MPR), and curved MPR views as needed.



▲ More safety with advanced Smart Dose Technologies



Advanced Smart Dose Technologies

ASiR is an advanced iterative reconstruction technique that provides breakthrough image quality in multi-slice CT exams at significantly less dose.

1.67x Low contrast detectability IQ equivalent*

Up to **40%** Lower dose at comparable image Quality**

*Equivalent IQ is equivalent image noise SD

Non-ASiR Acquisition



ASiR Acquisition

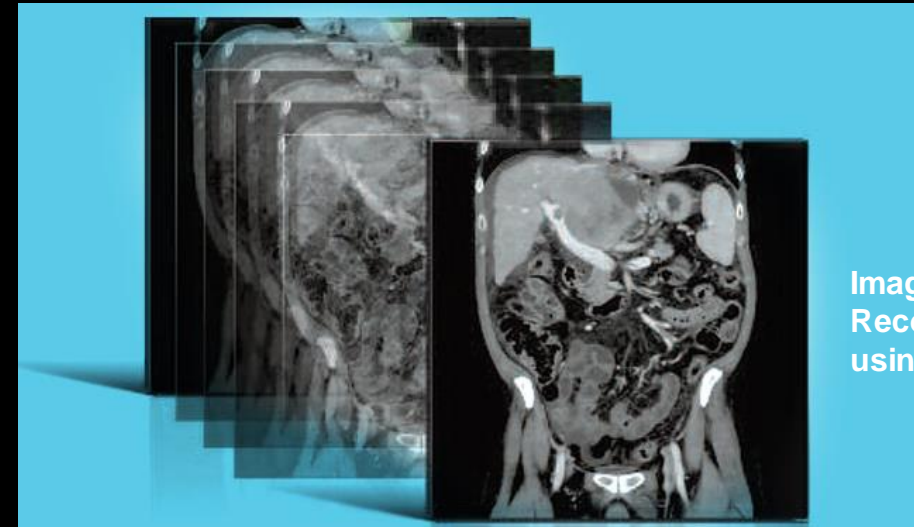


Image Reconstruction using ASiR

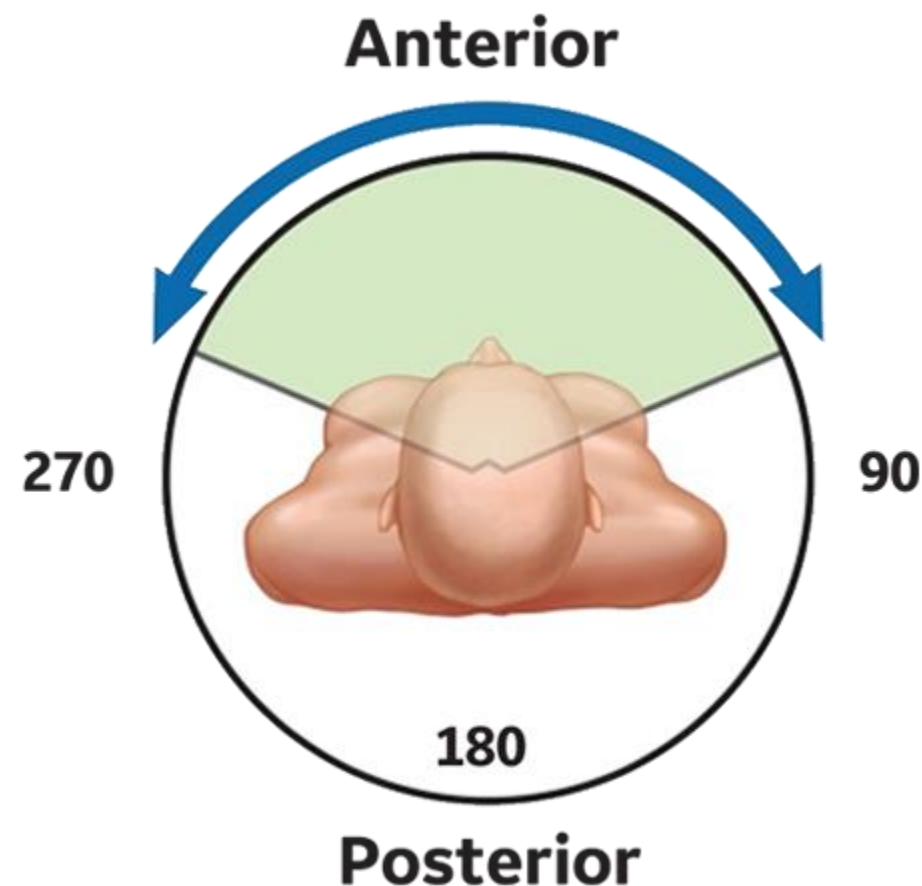
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Organ Dose Modulation (ODM)

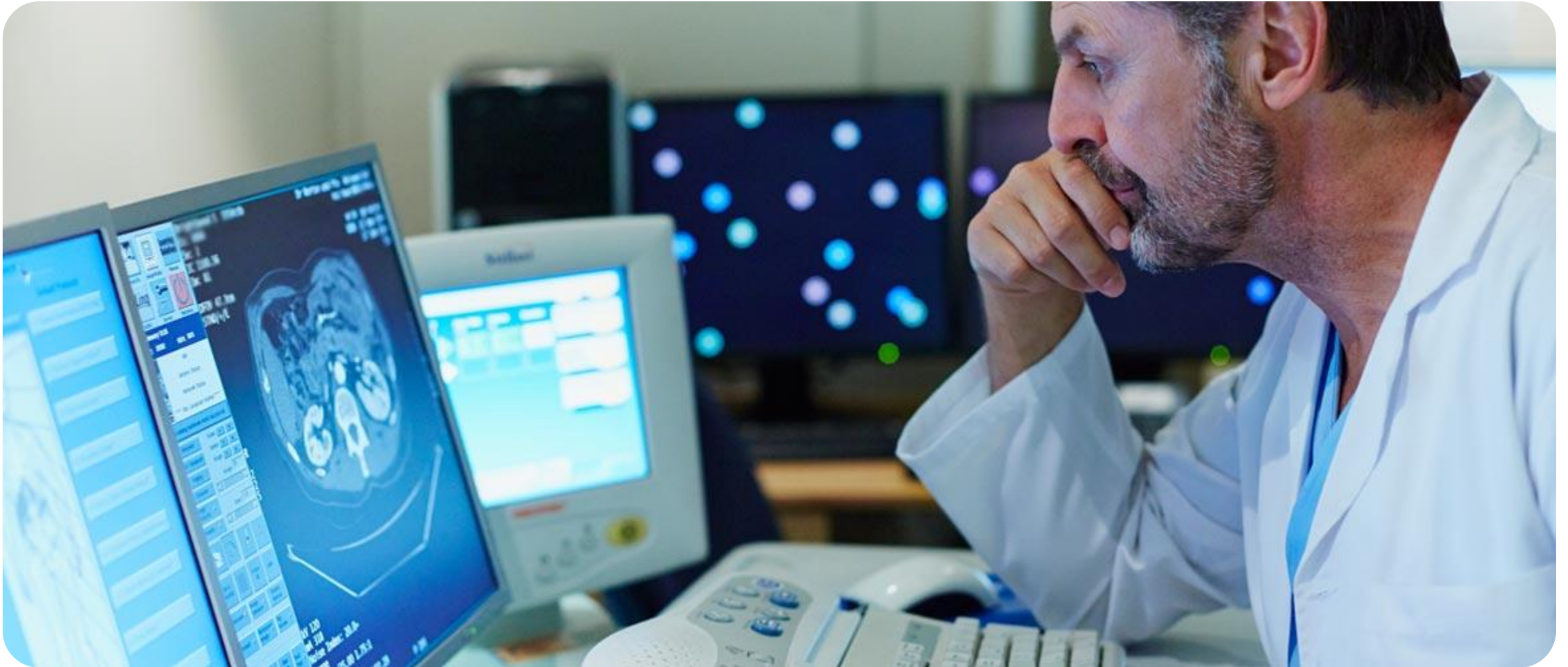
- ODM provides reduction of radiation dose via X-ray tube current modulation for superficial organs and tissues, such as breasts while maintaining diagnostic quality without decreasing productivity (as the result of not using externally applied shields).
- It not only reduces the dose to the sensitive organ by up to 40% but also optimizes the overall dose while maintaining the noise index (NI) value selected by the user.

Up to
40% Dose reduction to
superficial tissue

*Compared to previous generation CT scanner – data on file



▲ **More visualization** with essential software for advanced clinical applications



Essential software for advanced clinical applications

Do more with what you have. When we created Revolution Aspire, we thought as much about helping you get the most out of it as we did about the technologies that went into it. Some of these are:

- Volume Viewer
- Navigation and Fly-Through
- Vascular Imaging and Processing
- CT Colonography*
- Multi-organ CT perfusion 4D*
- DentaScan*

*Optional





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