

## GE Healthcare at RSNA 2017

### Computed Tomography (CT)

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### **Helping clinicians reach the right diagnosis, effortlessly with intelligent, efficient, cost effective solutions**

For more than four decades, GE Healthcare has created CT systems and solutions that enable healthcare providers to diagnose disease earlier, help improve the quality of lives and reduce the cost of care for patients at diverse hospitals, clinics and specialty centers of all sizes around the world. At RSNA this year, GE Healthcare is proud to highlight innovations that fit the needs of any health system, hospital or clinic, from digital applications to a comprehensive family of scanners.

Focused on the power of digital to enable better outcomes, GE Healthcare is proud to introduce **Smart Subscription**, an offering that provides continuous access to the latest software and applications for a hospital or clinic's CT devices, for one fee per device per year. This real-time access ensures the CT capabilities providers buy today keep getting better.

Smart Subscription will help: avoid obsolescence throughout the lifecycle of a system; ensure the same CT capabilities at all sites provide consistent exams throughout a healthcare enterprise; increase staff efficiency, reduce training and improve satisfaction by ensuring there is one set of capabilities to learn, operate and read.

Smart Subscription allows users easy access to both today's and tomorrow's CT capabilities by connecting them with GE's digital ecosystem of applications and intelligent scanners, where new applications and features are being designed to help providers improve work and information flow before, during and after CT exams.

With Smart Subscription, customers can be confident that their GE CT scanners will be up to date with the latest imaging applications today, tomorrow, and for the life of the system.

In addition to the focus on digital, GE Healthcare also continues to bring to market hardware innovations. Our Revolution™ family of CT scanners is built out of our passion to provide clinicians with extraordinary technologies that help them reach the right diagnosis, effortlessly and push the boundaries of what's expected from CT to see beyond anatomy and explore new areas of care. By designing with patient and healthcare provider needs in mind, Revolution CT scanners are scalable to meet imaging needs today and tomorrow.

New at RSNA this year is **Revolution Frontier™<sup>1</sup>**. This system is built from the technology innovations only available on GE's Revolution platform. These innovations include an entirely new imaging chain, the Gemstone™ Clarity detector and Performix™ HD Plus x-ray tube, to enable visualization of fine anatomic detail of 0.23 mm with 25% lower electronic noise. Revolution Frontier delivers on the promise of spectral CT with GSI Pro helping improve clinical outcomes such as lesion characterization which may help reduce oncology follow-ups, reduced iodinated contrast, and aiding diagnostic interpretability in the presence of metal with metal artifact reduction. Revolution Frontier also helps providers improve operational outcomes with 2x longer life from its liquid bearing x-ray tube technology. And Revolution Frontier helps deliver these results every day, with 2x faster GSI Pro reconstruction speed for routine

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spectral CT workflow, and ASiR-V™<sup>2</sup> available for challenging exams to enable dose-neutral GSI and routine HD anatomic detail.

Revolution Frontier is a welcome addition to the Revolution family of CT systems, designed to fit the needs of all hospitals and clinics. **Revolution CT, Revolution Frontier, Revolution HD, Revolution EVO** and **Revolution ACT** are each designed to bring unique capabilities that improve the clinical value of CT imaging including excellent image acquisition, cutting edge applications with advanced capabilities for today's fastest growing, more advanced procedures and low-dose protocols.

Also to be featured at RSNA is the latest enhancement to GE Healthcare's flagship Revolution CT scanner, now featuring Gemstone Spectral Imaging (GSI) Xstream - the first volume spectral CT technology designed to improve small lesion detection, tissue characterization and metal artifact reduction, with a simplified workflow providers can make part of their daily practice. The entire GSI experience has been enhanced from scanning to reconstruction to visualization. Enabled by innovations such as Gemstone Clarity detector, volume coverage and ultrafast kV switching, only GE can deliver this breakthrough tool. GSI Xstream helps you diagnose disease with more confidence, which could ultimately put patients on the right treatment path sooner.

**Revolution HD** provides low dose, high definition image quality. With technologies and features that have set new benchmarks for image clarity, Revolution HD enables diagnostic confidence for a wide variety of clinical applications. With the addition of Smart MAR, ASiR-V<sup>1</sup>, and GSI enhancements, users will gain more flexibility on this platform.

**Revolution EVO** was designed with the purpose of operating in the reality of now while anticipating the challenges of tomorrow. With a detector inherited directly from our innovative Revolution CT system, Revolution EVO is made for institutions that are unable to sacrifice advanced capabilities such as high resolution for daily productivity. Revolution EVO provides high image resolution, makes low dose routine and helps customers accomplish more in their day. It also provides the flexibility to expand into advanced applications as needs evolve. The dose-optimized CT protocols from the University of Wisconsin, Madison are also now available for Revolution EVO.

**Revolution ACT** was designed to fit the needs of new users of CT in remote geographies. The system delivers high quality intelligent CT solutions and improves patient access in these challenging healthcare markets. Revolution ACT provides diagnostic excellence with the new clarity panel detector, ASiR<sup>1</sup> and technologies like ultra-kernel, while essential protocols and applications like Autobone, Virtual Endoscopy, Vessel IQ and Dynamic Transition provide for clinical excellence. The compact size, reduced total cost of ownership and intelligent workflow ensure better access and efficiency.

The GE Healthcare Revolution family of CT scanners is designed to fit the clinical, operational and financial needs of all health systems, hospitals and clinics.

<sup>1</sup> Revolution Frontier is not CE marked. Not for sale in all regions.

<sup>2</sup> 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.