

# Introducing the LightSpeed VCT XTe,\* Powered with HD Technologies

Building on the proven, clinical foundation of the LightSpeed® VCT, GE Healthcare introduces the LightSpeed VCT XTe\* featuring advanced HD technologies from GE's ultra premium CT scanner, the Discovery™ CT750 HD. The new LightSpeed VCT XTe\* addresses several important clinical challenges including:

- Improving patient care with dose reduction features such as Adaptive Statistical Iterative Reconstruction (ASIR) and SnapShot™ Pulse;
- Enhancing cardiac scan reliability through fast acquisitions that enable short breath-hold for stable heart beat (5-Beat Cardiac™);
- Extending the range for dynamic CTA and functional assessment with VolumeShuttle™ and the new Volume Helical Shuttle;
- Increasing throughput with faster reconstructions speeds; and,
- Providing an upgrade path for new and future capabilities.

"The LightSpeed VCT XTe\* brings advanced HD technologies to our largest installed base of CT customers," says Dusty Majumdar, Marketing Manager – Premium CT, GE Healthcare.

"These customers can be assured that they will not be left behind with their existing investment as GE continues to develop its CT platform."

ASIR reduces image noise and improves low contrast detectability by up to 30%, and enables clinicians to reduce radiation dose by up to 40% without sacrificing image quality. Dose is also reduced by up to 83% in cardiac studies with SnapShot Pulse.

VolumeShuttle delivers twice the coverage in one acquisition and reduces dose up to 24% with a single contrast injection. The newly released Volume Helical Shuttle extends z-coverage to provide up to 312.5 mm for 4D CT angiography exams and up to 140 mm for perfusion analysis.

Robust cardiac scanning is made possible through adaptive ECG gating and real-time adaptive scan control with the 5-Beat Cardiac feature, further improving overall scan reliability for prospectively gated cardiac exams. Clinicians will experience greater levels of productivity and faster clinical throughput with Xtream™ HD, which nearly doubles reconstruction speed. ■