



Welcome

See more, know more, less dose. A catchy phrase, but what does it really mean? For GE Healthcare, it means re-examining the entire CT imaging chain in search of new methods and materials to deliver improved image quality. It means taking a leadership role to pursue a fundamental change in technology; one that answers today's clinical needs but also tackles tomorrow's challenges.

At GE Healthcare, we embrace the concept of "healthcare re-imagined" and think "what if." What if we can let clinicians see more in a CT image or study than ever before? What if the system could bring new image clarity to CT? What if we could do this and also lower dose?

Well, we believe we have delivered on the "what if." The culmination of 10 years of research, engineering innovation, and investment is the Discovery™ CT750 HD, a system that boldly takes CT imaging to a new level. It offers clinicians a competitive edge like no other imaging system before it. They see more through new levels of resolution and clarity.



Gene Saragnese
Vice President and General Manager,
Computed Tomography, GE Healthcare

They know more, applying more user-selectable energies and more views per rotation. They require less dose, scanning any part of the body in patients of all ages, including pediatrics.

Please join us and see for yourself as we unfold the Discovery CT750 HD story in the pages of CT Clarity. From a clinical perspective, Jean-Louis Sablayrolles, MD, Chief of the CT and MRI Department, Centre Cardiologique du Nord (CCN) talks about his experience as the first installed site in Europe to use the Discovery CT750 HD. After conducting over 2,500 studies, he sees first hand the great potential of this new imaging platform.

Also in this issue of CT Clarity, our engineers share their story on how they reevaluated the CT subsystems. The result is the Gemstone™ detector, the first new scintillator material in 20 years; the new Performix® HD X-ray tube that is the cornerstone to seeing more with less dose; a new data acquisition system that lets clinicians conduct studies with the speed they need in today's competitive and cost-constrained healthcare market; and, a new reconstruction technique that reduces image noise and improves low contrast detectability and image quality.

This issue is also loaded with information on existing applications and techniques on our LightSpeed® VCT series, from SnapShot™ Pulse for cardiac to Perfusion™ 4 for neuro to setting new standards in pediatric imaging and dose optimization.

As you turn each page, you will experience our commitment to you – clinicians, technologists, administrators, and patients – and our belief that by working together with you, we can see a bright future in healthcare imaging. For us at GE Healthcare, this is the meaning behind CT re-imagined. ■