



## The Brighter Side of Mini Yet Mighty Multi-Slice CT

BrightSpeed™ Select is a new series of performance CT systems that delivers full multi-detector clinical capabilities across a wide range of exams. Three versions are tailored to meet the differing needs of radiology departments and imaging centers: BrightSpeed Elite Select (16-slice), BrightSpeed Edge Select (8-slice) and BrightSpeed Excel Select (4-slice) CT Systems.

With the smallest footprint of any 4, 8 or 16-slice CT on the market today, BrightSpeed Select is perfect for single- or two-slice system upgrades so users can perform new clinical applications with leading CT technology. Typically requiring less than 215 square feet for siting, BrightSpeed Select allows facilities to install the system in the same space as a single-slice CT.

Although small in size, the BrightSpeed Select systems offer advanced CT imaging technology, including: GE's industry-leading LightSpeed VCT technology; Volara™ 24-bit Digital Data Acquisition Systems (DAS) for high-resolution images and low-dose performance; Xstream™ FX for lightning-quick image reconstruction, one-touch protocols and auto-segmentation tools; and Direct-Multi-Planar Reconstruction (DMPR), which prospectively presents datasets in 3D views without waiting for post-processing reconstruction.

The optional Freedom Workspace™ ensures smoother exams and higher technologist productivity. This customizable CT cockpit is ergonomically designed for maximum versatility and can reduce technologist fatigue and stress, helping them provide excellent patient care.

The BrightSpeed Select is a new addition to GE's performance CT systems. The BrightSpeed family, which includes the BrightSpeed Elite, has proven capabilities in the marketplace as demonstrated in the following case study.

### Case in Point – BrightSpeed Elite

Moreland Medical Center (Waukesha, WI) is a medical office building housing over 100 physicians, covering nearly all specialties except oncology. The physician partners who practice at Moreland also own the laboratory and X-ray department within the building.

Since 2000, an on-site CT scanner has provided convenient and accessible imaging services to patients. In 2005, the group began to investigate the purchase of a new multi-slice scanner.

"Our existing single-slice CT scanner did not have all the capabilities that our physicians were looking for," said John Stager, Administrator, Moreland Medical. "Yet, most multi-slice scanners were too big for the existing space we have in the building."

The physician group learned about a scanner from GE Healthcare – the BrightSpeed series. "Only two scanners on the market produced high quality images and met our space requirements." After closer evaluation, the practice chose GE and in January 2005 the BrightSpeed Elite was installed and operational in two weeks.

Stager noted several advantages of having their own BrightSpeed Elite for patient care. "It is convenient, accessible and immediate. Patients often receive their scan on the same day as their doctor appointment and typically, their physician will have the imaging study results the same day." The technologists are impressed with the speed of the machine, while Stager sees additional benefits to the practice. "We are doing more exams each day than with our single slice systems and the images are great. This technology can also help us grow our practice."

### Benefits Abound

Thanks to the high performance of BrightSpeed systems, less time is required for patient breath holds. Automated dose optimization features can allow lower patient dose, while still delivering excellent images and a full suite of applications to assist in the examination of the head, abdomen, spine and chest.

Designed for single-technologist operation, BrightSpeed Select automates the imaging process by providing a list of scan protocols to assist in planning. The system reconstructs, films, networks and archives automatically.

Clinicians can efficiently share exams cost-effectively with referring physicians and export JPEG or MPEG files and images for presentations and reporting. Automatic reformatting of images to the clinical views assists physicians in making the diagnosis. ■

