

Mink Radiology Acquires GE BrightSpeed Elite CT Scanner

MINK RADIOLOGY is pleased to announce that it has just acquired the General Electric BrightSpeed Elite CT scanner. This scanner is unique in its ability to calculate the precise amount of x-ray needed to penetrate the body part being examined, while preserving the extraordinary image quality characteristically delivered by ultra-high resolution helical CT scanners.



GE BrightSpeed Elite CT

As a consequence of this technology, there will be a **significant reduction in radiation dose** delivered to patients. This is achieved through new hardware advancements and software developed by General Electric. For instance, the amount of x-ray needed to penetrate inflated lungs (a chest CT) is different than the dose needed to penetrate the widest part of most patients' bodies (a pelvic CT). The scanner is able to change the amount of x-ray delivered to the patient "on the fly" during the examination and may result in a reduction in the amount of x-ray by 40%. Additionally, new safeguards have been incorporated into the scanner to ensure that excessive radiation doses are not delivered.

Multi-slice technology and powerful computers generate exquisite images that are instantly reconstructed into multiple viewing planes. New artifact reduction algorithms may diminish the artifact produced by surgical medical devices; for those with spinal fusion hardware, for instance, one is usually able to minimize the effect of the metal implants and better visualize the vertebral bodies and disk spaces.

Concurrent with the installation of the new scanner, we have also purchased a state-of-the-art contrast injector that calculates the precise contrast dose needed based on patient size, examination type and scan parameters. The overall result is a **significant reduction in the amount of contrast** administered to all patients. Special timing technologies result in high-quality CT angiography of the neck, brain, chest, abdomen, pelvis and extremities.

We know that you will immediately notice a remarkable improvement in image quality with the new scanner, and we assure you that, as always, we are taking every measure to reduce any harmful effects of radiation and iodinated contrast material.

The Physicians at Mink Radiology