RadRedux™



Overcoming the Concern of Radiation Dose without Sacrificing Image Quality

The CereTom equipped with RadRedux[™] is a revolutionary method to enhance image quality while reducing dose, using a post-reconstruction approach to suppress image noise while preserving spatial resolution. Pixels are examined so that only those belonging to the same anatomical structures are grouped and filtered together reducing noise while maintaining anatomical edges.

RadRedux[™] enables the CereTom to acquire images at up to a 50% dose reduction from original settings while meeting your clinical diagnostic needs. Lower dose producing the same high quality images means safer scanning for all critical patients, like stroke and TBI, who may require multiple and at times daily scans.

"The RadRedux software provides real-time access to the clinical information I need to provide the best care to my critically ill patients, while minimizing radiation exposure. CereTom provides the added benefit of portability thus avoiding the many risks associated with transport in and out of the ICU. The diagnostic equivalence to standard dose studies allows increased flexibility for optimizing studies at the bed side."



-Howard Yonas, MD: Chairman, Department of Neurosurgery, University of New Mexico Hospital

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50% Standard Dose

RadRedux™ 50% Standard Dose

Dose: 40 mGy

Standard Dose

Dose: 80 mGy



















All images were acquired using the CereTom[®] Portable CT Scanner Protocol: 120 kV, 7 mA | Slice Thickness: 5mm | Kernel: Soft Tissue