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Precise Isotropic Scanning

Designed to offer breakthrough technology and expand applications Aquilion 32, with the innovative Quantum 64 detector, is the only 32-slice CT system, capable of scanning two isotropic slice widths at 32 slices per rotation. From the selections 32 x 0.5 mm or 32 x 1 mm slices a choice can be made depending on the coverage and image detail ness required. If time is critical the 1 mm slices enable the trauma department a 175 cm scan in 17 seconds with a volume reconstruction in just 2 minutes.

When details are first priority for all applications isotropic resolution as fine as 0.35mm is available, showing critical details in e.g. advanced cardiac applications.

Computed Volume Reconstruction, the way to go

Toshiba has taken CT scanning yet another step further. With the newly introduced Volume Viewing you can scan a large volume in a minimum of time where as the Volume Viewing automatically reconstructs the scanned data into the isotropic volume used for diagnosis. No need for axial images anymore. No need to go into the data and reconstruct MPR's. Aquilion 32 uses the full quality of isotropic high resolution and has the details available to you in an instant.

Volume Reconstruction also revolutionizes CT archiving. Aquilion 32 does away with the need for thin slice archiving, a problem for many IT-departments. Only the volume used for diagnosis in effect will be stored saving an enormous amount of storage space keeping the total cost of scanning as low as possible.

Better results, lower exposure

The highly sophisticated Toshiba Quantum denoising (patent pending) enables you to reduce patient dose up to 40%. This gives a completely new dimension to low dose scanning as Quantum denoising gives you the choice of reducing dose without loss of image quality. In addition it is the only dose reduction method offering the possibility to improve image quality at common used low dose settings. Pre-eminently the method to use for paediatric scanning.

Easy to upgrade

Economy of scale is the decisive factor for many administrators. Frequently faced with restricted budgets, limiting possible future expansions when extra money can be made available. The Aquilion 32 is ready for a fast and cost-effective upgrade path to Aquilion 64. This allows minimized downtime when future demand asks even more from your Aquilion 32 scanner.

All attempts have been made to ensure accurate data. Medical Imaging Resources, Inc. assumes no responsibility for any unintentional errors or omissions.