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Faster then ever before. Lowest dose ever.

Aquilion S16

The world's fastest trauma CT with 1750 mm "Head to Toe" coverage

Scanning of volumes up to 1750 mm, in isotropic resolution, using a 1 mm slice, in just 38 seconds and delivering the 1750 images ready for diagnosis in less then 3 minutes. Aquilion S16 is still the only 16 slice CT that delivers highly detailed results in record time over a scan-range doing away with the need for re-positioning and a largely reduces examination time for trauma patients.

During the scan images are reconstructed and displayed with 12 frames per second enabling instant diagnosis. Improved treatment quality is

achieved together with a dramatic reduction in examination time, a benefit appreciated by many anaesthetists. Positioning the patient "Feet First", "Head First", scanning "In" or "Out", the Aquilion S16 has no limitations.

Combined with "FX" technology, which enables 0.4 s rotations for all scan-modes, scan-time is further reduced. Freezing thereby artefacts induced by respiratory and cardiac movements.

In addition, the highly sophisticated Toshiba Quantum denoising (patent pending) allows 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 or image quality improvement at common low dose settings.

With the newly introduced Volume Viewing a user does not need to go through the time consuming axial and MPR reconstructions anymore. Volume Viewing is a unique reconstruction method, which fully automatically reconstructs the scanned data into the isotropic volume used for diagnosis. It also does away with the need for thin slice archiving, a problem for many IT-departments, as only the volume used for diagnosis in effect will be stored.

Aquilion S16 CFX

Based on the Aquilion S16 the Aquilion S16 CFX is the only 16-slice One-stop-shopping Cardiac CT with 0.35 mm voxel technology for anatomical and functional diagnostics

The unprecedented leader of 16-slice Cardiac CT offering a one-shot Cardiac workplace:

- **Scanning a 12 cm volume in 24 sec with 16 x 0.5 mm slices resolving details as small as 0.35 mm**
- **Functional analysis using up to 20 cardiac phases to calculate EF, regional EF, wall motion and wall thickness in just a few minutes**
- **A choice of rotation speed (0.4, 0.5 or 0.6 s) and pitch combinations at a best temporal resolution of 40 ms**
- **Unique Toshiba adaptive automatic segmented reconstruction delivering highest quality cardiac images even with extreme fluctuations in heart rate**
- **CT imaging of the heart in diastolic or systolic phase with a heart rate up to 140 BPM even during induced stress situation**

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