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Aquilion S8 generates highly accurate images faster and with more detail than any other comparable CT scanner

[Aquilion S8 and 8 FX](#)

Unsurpassed Trauma coverage through 1750 Helical scan-range, expandability and upgradeability

The Aquilion S8 brings you speed, efficiency, the highest quality images and a formidable scan-range of 1750 mm. Already during scanning images are reconstructed with 12 frames per second, enabling instant diagnosis. Improving dramatically both quality of the images as well as examination time. A requirement of many anaesthetists. Positioning the patient "Feet First" or "Head First", scanning "In" or "Out", Aquilion S8 has no limitations

Simple to expand

Combined with the "FX" technology and "Cardiac package", the Aquilion S8 offers:

- **0.4 s rotation for all scan-modes.**
- **High resolution Coronary imaging. Scanning a 12 cm volume in 36 s with 8 x 0.5 mm slices resolves 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**

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 S8 is the only 8-slice CT scanner offering a fast and cost-effective upgrade path to 16 slices. This allows minimized downtime when future demand asks even more from your Aquilion S8 scanner.

Latest state of the art

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 standard low dose.

With the newly introduced Volume Reconstruction 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.

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