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### **Innovative workflow concept**

The Aquilion 64 has been designed for easy and fast workflow. Automated features, such as "SURE<sup>®</sup> Cardio" enable the operator to monitor the heart rate of a patient prior to the actual scanning. The Aquilion 64 will automatically set the optimal scanning conditions. This assures the best possible image-quality in any patient and largely facilitates operator interventions.

Diagnostic outcome has never been as certain as today with the Aquilion 64.

### **Computed Volume Reconstruction, the way to go**

Toshiba has taken CT scanning yet another step further. With the newly introduced Volume Reconstruction 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 64 uses the full quality of isotropic high resolution and has the details available to you in an instant.

Volume Viewing also revolutionizes CT archiving. Aquilion 64 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 X-ray exposure**

The highly sophisticated Toshiba 3-D 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. Or it can be used to improve image quality at commonly used low dose settings. Pre-eminently the method to use for paediatric scanning. It actually is the only dose reduction method capable of combining dose reduction and image quality improvement.

### **Most efficient in Cardiac CT**

Selection of the right scan parameters and reconstruction method are essential in Cardiac CT. As Aquilion systems enable scanning cardiac patients not being treated with a beta-blocker, Aquilion has been designed to optimize both conditions in an extremely operator friendly way.

<sup>SURE</sup>Cardio incorporates patient breath-hold training, analyzing the cardiac rhythm and selecting the optimum scan and reconstruction parameters with a minimum of effort for the operator.

Now just a few heartbeats are required, yet not compromising image-quality, as the 0,35 mm isotropic voxel resolution stays guaranteed. This allows visualization of the lumen in coronary arteries and presents you with a detail of soft-plaque structures. The short scan-time eliminates influence from the patient's heartbeat. The retrospective segmented reconstruction provides stable coronary artery imaging even for heart rates of up to 140 beats per minute and, as a beta-blocker is not required, true cardiac function analysis.

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