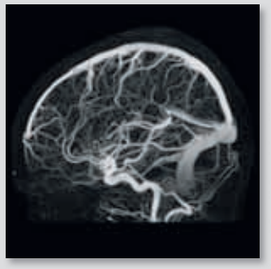
Advanced Visualization

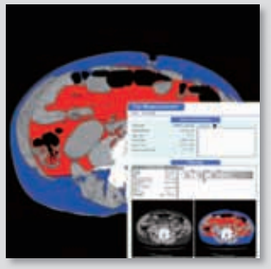


SURE SUBTRACTION™*

Automated digital subtraction of intra-cranial vessels from bone

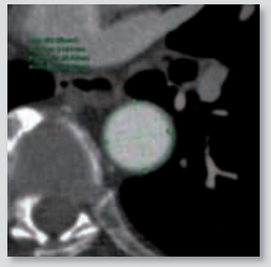
SURE FLUORO™*

Real-time reconstruction and display of fluoroscopic images for faster and safer interventional procedures



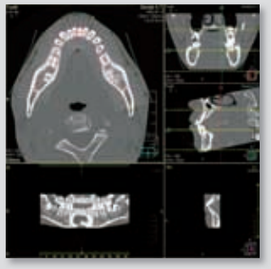
FAT INDEX VIEW*

Automatic calculation of the ratio of visceral to subcutaneous fat as a prognostic indicator of the risk of metabolic syndrome



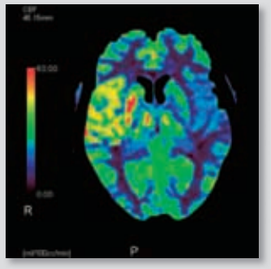
VESSEL VIEW*

Generation and display of CPR and cross-cut images of blood vessels



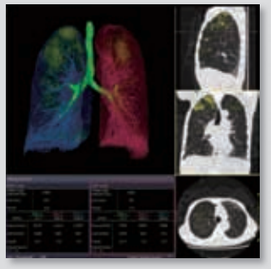
DENTAL ANALYSIS*

Comprehensive dental MPR software with easy-to-use tools for pre-operative planning



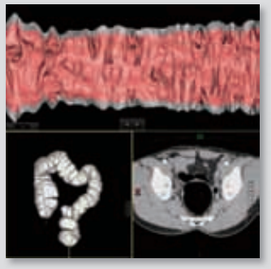
CBP STUDY*

Blood flow characteristics are analyzed from dynamic scan images and the results are displayed as map images



LUNG VOLUME ANALYSIS*

Quantification of low attenuation regions in lung tissue (regions of pulmonary emphysema)



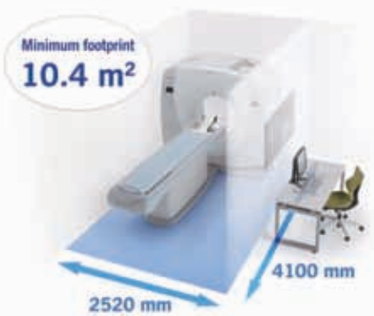
COLON VIEW*

Advanced analysis and reporting tools for CT colonoscopy, with display functions such as filet view, fly through, and polyp tagging

**Option*

Minimal Space Requirements

Delivering powerful performance in a small space, Alexion / Advance has been designed with a footprint of just 10.4 m^2. Thanks in part to its flexible siting requirements, Alexion / Advance can be up and running in a remarkably short time.



Made for Life™

TOSHIBA MEDICAL SYSTEMS CORPORATION

http://www.toshibamedicalsystems.com

Model number: TSX-034A MCACT0230EA 2012-05 TME/D

Toshiba Medical Systems Corporation meets internationally recognized standards for Quality Management System ISO 9001, ISO 13485.

Toshiba Medical Systems Corporation Nasu Operations meets the Environmental Management System standard ISO 14001.

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Printed in Japan

Alexion Advance Edition

TOSHIBA

Leading Innovation »»

AIDR 3D integrated

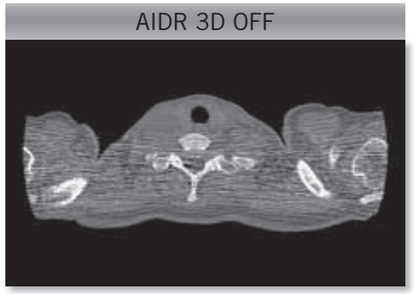
Alexion Advance Edition

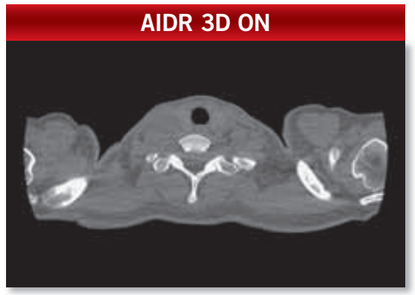
Maximum Performance, Minimum Space

Next-Generation Dose Reduction Technology

AIDR 3D (ADAPTIVE ITERATIVE DOSE REDUCTION 3D)

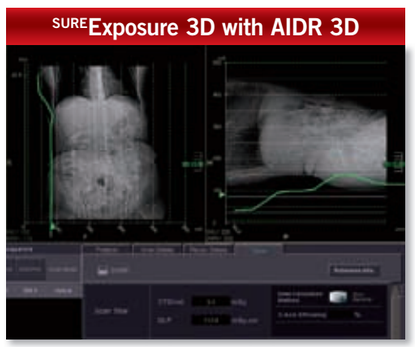
Originally developed for Toshiba's flagship scanner Aquilion ONE™, AIDR 3D (Adaptive Iterative Dose Reduction 3D) is provided as a standard feature in Alexion™ / Advance Edition.
AIDR 3D is a sophisticated algorithm that has been specially designed to operate in both the three-dimensional reconstruction data and raw data domains. The collective AIDR 3D process ensures robust noise reduction, which is essential for achieving ultra-low-dose examinations in routine clinical CT imaging. AIDR 3D can be routinely applied in all clinical acquisition modes and is able to reduce image noise by up to 50 percent while maintaining excellent image quality, resulting in dose reduction of up to 75 percent.





INTEGRATED, ROBUST DOSE MANAGEMENT

The integration of dose reduction technologies is essential for optimal dose management. AIDR 3D has therefore been seamlessly integrated with SUREExposure™ 3D, Toshiba's automatic tube current modulation software. SUREExposure 3D modulates the exposure for each patient based on a preset target level of image quality. When combined with AIDR 3D, X-ray exposure is automatically reduced before the scan, while maintaining the preprogrammed image quality adjusted based on the expected level of noise reduction. This combination provides a unique solution for robust dose management.

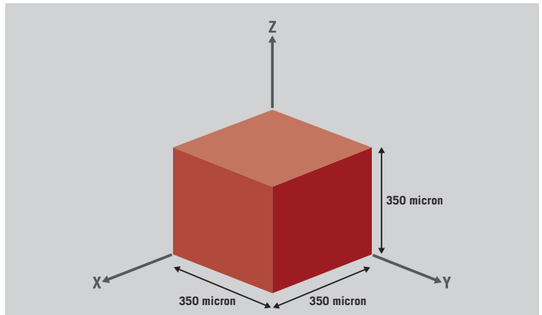


Powerful Performance

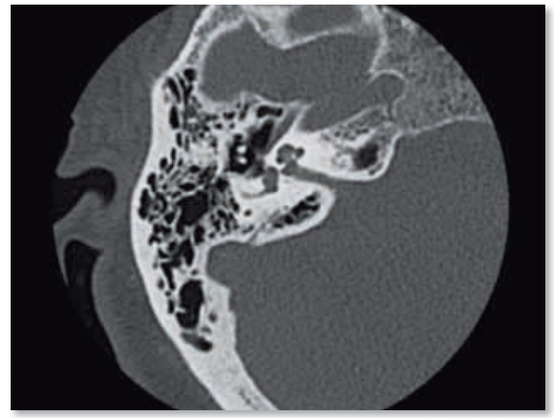
0.5 mm DETECTOR TECHNOLOGY

Featuring Toshiba's exclusive, industry-leading Quantum Detector technology, Alexion / Advance incorporates 0.5 mm detector technology for acquiring true isotropic voxels. This very small detector aperture (the smallest in current CT technology) provides razor-sharp images, ensuring fast and accurate diagnosis in all parts of the body with a lower exposure dose. Regardless of the procedure, you are always assured of superior diagnostic imaging with no compromise in the image quality or patient safety.

- 0.5 mm detector elements are the thinnest in the industry
- Uniform image quality is achieved by ultra high 350 micron isotropic resolution



- Optimal voxel size for any region of the body
- View axial image quality in all imaging planes



NAVI MODE OPERATION

Alexion / Advance offers unique Navi Mode operation which guides the operator through every step of the examination with state-of-the-art computer graphics and animation. In addition, a newly developed intelligent filming function automatically compiles images in a predefined layout for fast and efficient workflow. Navi Mode is perfectly suited for novice users and part-time operators who may be required to perform scanning outside normal working hours, allowing all users to take advantage of the high performance of this multislice CT scanner.