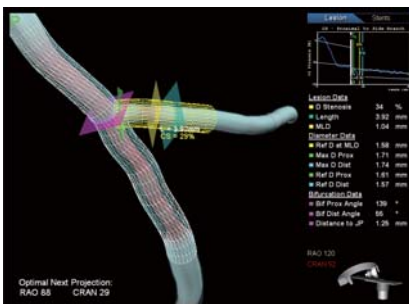


In the medical systems field, Toshiba is making continuous efforts to establish human-friendly, patient-centered medical care based on the concept of "Made for Life™" reflecting our recognition of the preciousness of life. As a total solution provider for various medical care requirements ranging from diagnosis to treatment, we are developing and supplying the latest diagnostic imaging equipment and medical information systems.

Infinix™-i Series Interventional Angiography System



Infinix™-i INFx-8000V interventional angiography system



CV-3D™ 3D quantitative coronary analysis

Toshiba Medical Systems Corporation has developed an upgraded interventional angiography system, the Infinix™-i series. New functions that provide high-resolution images and support cardiac catheterization are incorporated in the system, ensuring safe and rapid interventional procedures in patients with cardiovascular disease.

The main features of the system are as follows:

- Pure Brain™ imaging technology ensures high-quality images. A new noise reduction filter known as the Super Noise Reduction Filter (SNRF) is installed, minimizing the image lag of interventional devices and improving visualization.
- The system is equipped with a 12 × 12-inch flat panel display (FPD). This FPD, which is suitable for cardiovascular intervention, expands the clinical domain of the Infinix™-i series to include the carotid arteries and peripheral blood vessels, even those in the lower limbs.
- CV-3D™ three-dimensional (3D) quantitative coronary analysis software supports catheterization of blood vessels, delivery planning for interventional devices, and confirmation of the results of intervention in patients with complex cardiovascular diseases.

Aquilion ONE™ Version 4.3 Whole-Body X-ray CT Scanner



Aquilion ONE™ whole-body X-ray CT scanner

Toshiba Medical Systems Corporation has developed a new version of the Aquilion ONE™ diagnostic X-ray computed tomography (CT) scanner that provides new volume-imaging diagnostic capabilities. This new version incorporates a new mode for cardiac scanning as well as a new function for reducing the exposure dose.



Clinical image of the heart (courtesy of Fujita Health University)

The main features of the system are as follows:

- Target CTA (CT Angiography) mode permits scanning to be performed with shorter X-ray exposure irrespective of variations in the patient's heart rate, as compared with the conventional method in which X-ray generation is switched on or off according to the patient's heart rate.
- An adaptive X-ray collimator is employed. Optimal control of the X-ray collimator (which controls the patient's exposure to X-rays) allows the exposure dose to be further reduced with no sacrifice in image quality.
- The world's first(*) CT patient couch lateral movement function reduces the workload on the operator when positioning the patient in order to align the target anatomical region such as the heart with the center of the field of view.

Aquilion ONE™ not only contributes to medical care by providing new diagnostic capabilities, but also reduces patient discomfort as well as stress on medical staff. Moreover, the environmental impact of the system is reduced by incorporating a system that saves electric power by capturing the regenerative energy produced as the gantry rotation section comes to a stop.

(*) As of November 2008 (as researched by Toshiba)