

Healthcare Sector Imaging & Therapy Systems Division

FDA Clears Siemens' SOMATOM Definition AS Open for Radiation Therapy

State-of-the-art open bore CT scanner is fully dedicated radiation therapy planning system

Malvern, Pa., July 13, 2011 – Siemens Healthcare has announced that its SOMATOM® Definition AS Open – a high-end computed tomography (CT) system that can be dedicated to efficiently cover the needs of both diagnostic radiology and radiation therapy – has been cleared by the U.S. Food and Drug Administration (FDA). Delivering excellent image quality at low dose, the Definition AS Open enables exact contouring for planning while minimizing exposure to the patient. The scanner also has several unique service offerings and is upgradeable for multipurpose use.

“Siemens is pleased to offer the SOMATOM Definition AS Open, which introduces state-of-the-art CT imaging to radiation therapy planning,” said Wolfgang Rueger, PhD, vice president, Radiation Oncology, Siemens Healthcare. “Its ease of use and integration, as well as its ability to deliver excellent or high image quality at low dose, will increase the quality and efficiency of patient care, as well as open the door to new clinical and economic possibilities.”

An invaluable tool for contouring, virtual simulation, planning and treatment, the SOMATOM Definition AS Open has several new radiation therapy (RT) options and modifications that distinguish it as a fully dedicated radiation therapy planning (RTP) system. With its full on-site upgradability from 20 to 64 slices, it can grow with user demands and be fully customized to user requirements. Also, it supports the perfect balance of image quality and dose with a bore diameter of up to 80 cm, creating a CT that is open to every patient. In addition to the regular field of view (FoV) of 50 cm and the extended FoV of 80 cm, it boasts an innovative High-Definition (HD) FoV of 65 cm that is optimal for treatment planning. The robust multi-purpose treatment table with a bariatric top ensures high reproducibility of patient positioning up to 676 pounds, with a deflection of less than 2 mm. The new ReferenceFix function aligns the relation between the different coordinate systems of the CT system and the linear accelerator. Additionally, an accurate rendering of a moving tumor is achieved with an open interface, compatible with all respiratory gating hardware vendors. The SOMATOM Definition AS Open has a

compact footprint of 200 square feet and offers Complete Dose Protection, a comprehensive portfolio of dose-saving features that enables users to actively manage the dose in every CT examination.

The **Siemens Healthcare Sector** is one of the world's largest suppliers to the healthcare industry and a trendsetter in medical imaging, laboratory diagnostics, medical information technology and hearing aids. Siemens offers its customers products and solutions for the entire range of patient care from a single source – from prevention and early detection to diagnosis, and on to treatment and aftercare. By optimizing clinical workflows for the most common diseases, Siemens also makes healthcare faster, better and more cost-effective. Siemens Healthcare employs some 48,000 employees worldwide and operates around the world. In fiscal year 2010 (to September 30), the Sector posted revenue of 12.4 billion euros and profit of around 750 million euros. For further information please visit: www.siemens.com/healthcare.

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