

Siemens Unveils SOMATOM Definition Edge Single-source CT

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CHICAGO, Nov. 28, 2011 /PRNewswire/ -- **At the 97th Scientific Assembly and Annual Meeting of the Radiological Society of North America (RSNA), from November 27 to December 2 in Chicago, Siemens Healthcare (NYSE: SI) (Booth #822, East Building/Lakeside Center at McCormick Place, Hall D) is unveiling the SOMATOM® Definition Edge(1) - the first single-source CT to use Siemens recently developed Stellar Detector. In routine examinations, structures up to 0.3 mm are visible, and image sharpness may potentially be improved. Boasting a rotation speed of 0.28 seconds, the SOMATOM Definition Edge is Siemens fastest single-source CT scanner, acquiring up to 23 centimeters per second - which may enable a physician to perform a customary thorax-abdomen examination in approximately two seconds and potentially eliminate the need for patient breath-holding during a scan. Siemens also has developed a new Dual Energy mode for the SOMATOM Definition Edge. In Dual Energy images, two different tube voltages are generated to help enable recognition of different tissue types. This system release exemplifies how Siemens builds on innovation, such as dual-source CT, and brings these solutions to a broader audience at an attractive price point, which is a goal of Siemens Agenda 2013.**

(Logo: <http://photos.prnewswire.com/prnh/20070904/SIEMENSLOGO> [1])

The SOMATOM Definition Edge employs the new TrueSignal technology of the Stellar Detector, which for the first time integrates the electronic detector components into the photodiode. With the aid of TrueSignal technology, Stellar may significantly reduce electronic noise and potentially improve the signal-to-noise ratio of the images. To date, a spatial resolution of up to 0.33 mm has been possible with Siemens single-source CT scanners. However, in critical cases such as cardiovascular examinations or in emergency diagnostics, every

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