

Press Information

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COMPUTED TOMOGRAPHY SYSTEM THAT SCANS THE HEART IN 2 BEATS

Philips has unveiled a Computed Tomography (CT) system that scans the heart in two heart beats to aid in diagnosis and treatment of serious health conditions.

The 256-slice Brilliance iCT scanner, allows radiologists to produce high-quality images with exceptional acquisition speed, including complete coverage of the heart and brain. It is so powerful it can capture an image of the entire heart in just two heart beats, while incorporating Philips technology that has reduced radiation doses by up to 80 percent.¹



Brilliance iCT and a new 64-channel system both feature Philips Essence technology, consisting of new X-ray tubes, detectors and reconstruction design elements. This technology can provide detailed and clear 3D images of an entire organ, including the heart and brain, and can also show changes over time. All images also can be accessed on any computer in a hospital or by colleagues and researchers remotely, to make it easier for the whole team to share information. To date, more than 30 CT systems with Essence technology have been shipped.

The scanners deliver key clinical insights for a wide range of applications in the radiology and cardiology settings, while the enhanced visualizations will be valuable for doctors diagnosing and treating problems within the heart. The Brilliance iCT scanner is also designed to reduce patients' exposure to X-rays. The scan is much quicker, as the machine's X-ray emitting gantry – the giant ring-shaped part that surrounds the patient – can rotate four times in a single second, which is 22 percent faster than current systems.

About Royal Philips Electronics

Royal Philips Electronics of the Netherlands (NYSE: PHG, AEX: PHI) is a global leader in healthcare, lighting and consumer lifestyle, delivering people-centric, innovative products, services and solutions through the brand promise of “sense and simplicity”. Headquartered in the Netherlands, Philips employs approximately 123,800 employees in more than 60 countries worldwide. With sales of EUR 27 billion in 2007, the company is a market leader in medical diagnostic imaging and patient monitoring systems, energy efficient lighting solutions, as well as lifestyle solutions for personal wellbeing. News from Philips is located at www.philips.com/newscenter.

¹ In a retrospective study, the Wisconsin Heart Hospital found that it had achieved an 80-percent dose reduction using the Step & Shoot Cardiac feature compared to previous exams using helical CT angiography techniques.