

Frimley, UK
January 16, 2014

Glenfield Hospital enhances cardiac imaging capabilities with Siemens CT & MR systems

Glenfield Hospital, part of University Hospitals of Leicester NHS Trust, has recently installed four advanced imaging systems from Siemens Healthcare into its dedicated Cross Sectional CT and MRI Unit. The new technology includes a SOMATOM® Definition Flash CT, a SOMATOM Definition AS+ CT and two MAGNETOM® Aera 1.5T MR systems. They join an existing MAGNETOM Skyra MR system and were chosen due to excellent image quality and ease of use. The systems were procured through Asterol, the Equipment-as-a-Service company, on behalf of the Trust.

The SOMATOM systems will enable Glenfield Hospital to provide an increased capacity of cardiac CT imaging procedures to patients. The Definition Flash and AS+ are available for clinical examinations 24 hours a day and are already in regular use scanning up to 40 patients per day. In addition to cardiac procedures, the systems support general CT imaging, biopsies and drainage.

The Definition Flash utilises Stellar Detectors featuring TrueSignal Technology, enabling the system to supply ultra-thin slices with high spatial resolution and minimal noise levels. The Flash also incorporates two X-ray tubes for Flash Spiral scanning, enabling whole body scanning in less than five seconds while delivering the right dose to the patient - that is the most appropriate dose for that specific patient with regard to the diagnostic image quality required.

The Definition AS+ provides excellent image quality plus obtains rapid coverage with 128 slices per rotation. Combined with a temporal resolution of 150ms, images are free from movement artefacts and provide a high level of anatomical detail for enhanced diagnosis. The system features 'Adaptive 4D Spiral' capabilities, allowing clinicians to view whole organ coverage in 4D. Rapid examination times conducted at

the lowest possible dose are also helping the hospital with paediatric imaging, plus bariatric or claustrophobic patients.

Glenfield Hospital is also benefitting from two MAGNETOM Aera MR systems, also supporting cardiac procedures and forming part of the hospital's specialist cardiac MR offering.

"We are delighted with the SOMATOM Definition and MAGNETOM Aera systems from Siemens Healthcare, that serve to bolster our cardiac provision and deliver excellent image quality for clinicians," states Dean Mawby, Superintendent Radiographer at Glenfield Hospital. "The team of 16 radiographers and 5 assistants within the unit have been very impressed with the applications support Siemens has provided and these systems are an addition to existing Siemens technology in the hospital."

"We have received positive feedback demonstrating how the CT and MR systems are assisting with cardiac throughput at the hospital, and how patients are benefitting from greater comfort from features such as the wide bore," states Sarah Sandhu, Regional Sales Manager at Siemens Healthcare. "The four new systems provide rapid imaging, without comprising image quality; Siemens is looking forward to continuing a strong relationship with the unit."

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Picture caption: Glenfield Hospital gives the thumbs up to the recently installed SOMATOM® Definition Flash CT from Siemens Healthcare. [Left to Right] Robert Mason, Service Manager at Asterol; Mark Boulton, MES Contract Coordinator at University Hospitals Leicester; Sarah Sandhu, Regional Sales Manager at Siemens Healthcare; and Anne Oldershaw, Senior Radiographer and Pritesh Jadav, Senior Radiographer at Glenfield Hospital.

