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## First UK installation of Definition Edge improves diagnostic services at Nevill Hall Hospital

Nevill Hall Hospital, part of Aneurin Bevan University Health Board, has become the first hospital in the UK to install a SOMATOM® Definition Edge CT system from Siemens Healthcare. The addition of the new system has enabled the hospital to enhance image quality whilst keeping doses to a minimum, allowing for the delivery of rapid and effective diagnostic services.

The SOMATOM Definition Edge offers high temporal resolution imaging and high acquisition speed. The system incorporates a Stellar Detector, the first fully integrated detector that significantly reduces electronic noise and generates ultra-thin slices, for improved spatial resolution in CT. This helps to minimise image motion artefacts, and proves particularly useful with patients who are unable to remain still for extended periods, or when imaging fast-moving organs such as the heart.

The combination of the reduced noise level of the Stellar Detector and SAFIRE, Siemens' raw-data-based interactive reconstruction, is the perfect match for imaging at a clinically relevant dose. The Definition Edge introduces a new imaging technique into single-source CT examinations where two scans are performed in succession with different energy levels, each using only about half the dose usually applied. Radiographers at Nevill Hall Hospital have been impressed with the image quality offered by the new system and its intuitive interface.

"The Definition Edge CT system from Siemens Healthcare has enabled us to deliver improved diagnostic services to our patients, with the enhanced imaging enabling

informed decisions to be made that could make a critical difference,” states Andrew Carter, Radiology Services Manager at Nevill Hall and the Royal Gwent Hospitals.

“Siemens is proud to support the patient care pathway at Nevill Hall Hospital with the UK’s first SOMATOM Definition Edge,” states Darren Parker, Regional Sales Manager at Siemens Healthcare. “The Definition Edge is Siemens’ fastest single-source CT system, helping to improve departmental workflow. It has also been supporting Nevill Hall with a number of dose reduction features, while maintaining excellent image quality for improved diagnostic safety and confidence.”

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**Picture caption:**

Helen Dallyn, Senior Radiographer at Nevill Hall Hospital; Hefin Thomas, Project Manager at Siemens Healthcare; Jamie Batkin, Support Worker; Andrew Carter, Radiology Services Manager; Polly Watts, Superintendent Radiographer; Helen Hopkins, Senior Radiographer; Jenna Lilley, Senior Radiographer; Caroline Ngatiah, Senior Radiographer; Amy McRae, Senior Radiographer; Bethan Williams, Senior Radiographer at Nevill Hall Hospital; Darren Parker, Regional Sales Manager at Siemens Healthcare.

