SIEMENS

News Release

First UK delivery of hybrid molecular imaging system

‘New concept’ Biograph mCT to provide fast diagnostic scans and improve efficiency at Portsmouth Hospitals NHS Trust

Patients in Portsmouth and surrounding areas will soon have access to one of the UK’s first molecular CT scanners in the redeveloped Queen Alexandra Hospital. The new Siemens system combines CT with molecular PET to provide detailed ‘hybrid’ images.

The Trust has taken delivery of the Biograph™ mCT, a next generation system, enabling true dual modality imaging. Its fast acquisition PET will dramatically shorten examination times, with whole body scans undertaken in five minutes, compared to approximately 25 minutes in conventional PET•CT scanners.

The Biograph mCT provides functional and anatomical information in one, non-invasive examination. This allows doctors to determine changes in glucose metabolism and blood flow, which is necessary for studying the behaviour of various cancers, as well as diagnosing certain heart and brain pathologies.

“The Biograph mCT is the ideal solution for cost-effective care, incorporating advanced technologies to deliver one efficient solution that addresses a range of imaging needs. It has also been designed to meet the requirements of the patient with an open, friendly design and fast scan speed,” said Lawrence Foulsham, Product Manager for Molecular Imaging and Oncology at Siemens Healthcare. “The nature of the system also means that a single room can be transformed into a fast, dual-modality

scanning facility with one clinician, one schedule and, if required, one comprehensive examination. It is a sound choice for the current healthcare environment."

Its wide 78cm bore means that the Biograph mCT is more accommodating than traditional systems and can help to alleviate feelings of claustrophobia. It also features a short tunnel and an extra-wide, 227kg capacity bed to accommodate all kinds of patients including paediatric, bariatric and elderly.

Portsmouth Hospitals NHS Trust has installed a range of advanced equipment from Siemens Healthcare to equip the departments in its new modern hospital. This includes a Symbia® S SPECT and Symbia® T SPECT•CT with TruePoint technology also sited within the Nuclear Medicine department.

As well as innovative equipment for nuclear medicine, Siemens has also provided a wide selection of imaging equipment for the new Queen Alexandra Hospital. This includes four Artis zee™ interventional imaging systems, one SOMATOM® Definition AS+ CT scanner and one ARCADIS® Orbic mobile C-arm. The Trust has also ordered ten Ysio™ digital X-ray systems including one for both St. Mary's Hospital and Gosport War Memorial Hospitals.

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About Siemens Healthcare

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 is the only company to offer 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 optimising clinical workflows for the most common diseases, Siemens also makes healthcare faster, better and more cost-effective. Siemens Healthcare employs some 49,000 employees worldwide and operates in over 130 countries. In fiscal year 2008 (to September 30), the Sector posted revenue of 11.2 billion euros and profit of 1.2 billion euros. For further information please visit: www.siemens.com/healthcare.

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Picture caption: Due to its combined design, the Biograph™ mCT obtains functional, anatomical and molecular information during one, non-invasive examination.