

### King's College Hospital installs ACUSON S2000

**Innovative ultrasound provides cutting edge Acoustic Radiation Force Impulse technology for liver imaging**

The Radiology department at King's College Hospital is now benefiting from enhanced ultrasound image quality and optimised workflow following the installation of an ACUSON S2000™ from Siemens Healthcare. The hospital also uses the S2000's Virtual Touch™ application for Acoustic Radiation Force Impulse (ARFI) imaging to assist with scanning the liver.

The S2000 is a next generation ultrasound system offering superior image quality to improve diagnostic confidence, plus ensures user and patient comfort through its adaptive ergonomic design. It is being used at the hospital predominantly for contrast ultrasound of the liver and testicular cases as well as more general scanning.

The Virtual Touch application uses acoustic energy to compress tissue and provide qualitative and quantitative assessments of deep tissue stiffness. This is particularly beneficial for examinations of the liver and is also a quick, non-invasive solution for diagnosis.

The system includes an 18L6 HD transducer for use in testicular ultrasound examinations at the hospital. It has a long cable for ease of use and features an ElastoGrip™ ergonomic grip coating that improves control by reducing grip force and operator fatigue.

"ARFI provides a high quality level of imaging when conducting ultrasound scans of the liver," states Paul Sidhu, Consultant Radiologist at King's College Hospital. "As the primary user of the system, I have found the S2000 to be comfortable as well as easy to use and its portability has served as a great benefit to the hospital."

“We are very pleased that King’s College Hospital has installed one of our leading ultrasound systems,” states Yianni Kiromitis, Regional Sales Manager, Ultrasound at Siemens Healthcare. “The S2000 is a real step forward for ultrasound imaging as it offers next generation functionality for all disciplines and expands the range of techniques offered to patients.”

The S2000 is compact, lightweight and portable providing ultimate user comfort. The controls are within easy reach of the operator and its flexible arm and flat panel display ensure clear image quality in all lighting environments. The system draws together the latest imaging innovations including 2D, 3D, Colour and Pulse-wave Doppler and 4D images to optimise workflow and simplify examinations.

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### **About Siemens Healthcare**

The **Siemens Healthcare Sector** is one of the world’s largest suppliers to the healthcare industry. The company is a renowned medical solutions provider with core competence and innovative strength in diagnostic and therapeutic technologies as well as in knowledge engineering, including information technology and system integration. With its laboratory diagnostics acquisitions, Siemens Healthcare is the first integrated healthcare company, bringing together imaging and lab diagnostics, therapy and healthcare information technology solutions, supplemented by consulting and support services. Siemens Healthcare delivers solutions across the entire continuum of care – from prevention and early detection, to diagnosis, therapy and care. Additionally, Siemens Healthcare is the global market leader in innovative hearing instruments. The company employs more than 49,000 people worldwide and operates in 130 countries. In the fiscal year 2008 (Sept. 30), Siemens Healthcare reported sales of €11.2 billion, orders of €11.8 billion, and Sector profit of €1.2 billion. Further information can be found by visiting <http://www.siemens.co.uk/healthcare>.

### **About King’s College Hospital**

King’s College Hospital NHS Foundation Trust is one of the UK’s largest and busiest teaching hospitals, with over 6,000 staff providing around 700,000 patient contacts a year. King’s has a unique profile, with a full range of local hospital services for people in the London boroughs of Lambeth and Southwark as well as specialist services to patients from further afield. The Trust is recognized internationally for its work in liver disease and transplantation, neurosciences, cardiac and haemato-oncology. King’s also plays a key role in the training and education of medical, nursing and dental students with its academic partner, King’s College London. For more information, visit [www.kch.nhs.uk](http://www.kch.nhs.uk)

King’s College Hospital NHS Foundation Trust is part of King’s Health Partners Academic Health Sciences Centre (AHSC), a pioneering collaboration between King’s College London, and Guy’s and St Thomas’, King’s College Hospital and South London and Maudsley NHS Foundation Trusts.

King's Health Partners is one of only five AHSCs in the UK and brings together an unrivalled range and depth of clinical and research expertise, spanning both physical and mental health. Our combined strengths will drive improvements in care for patients, allowing them to benefit from breakthroughs in medical science and receive leading edge treatment at the earliest possible opportunity.

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**Picture caption:** The ACUSON S2000 has recently been installed into the Radiology and Ultrasound department of King's College Hospital. (Left to right): James Dent, Siemens Ultrasound Applications Specialist; Dr. Paul Sidhu, Consultant Radiologist, King's College Hospital; Janine Sawyer, Sonographer, King's College Hospital; Yianni Kiromitis, Siemens Ultrasound Regional Sales Manager; and Jane Clarke, Superintendent Sonographer, King's College Hospital.

