

Royal Bournemouth Hospital to benefit from increased throughput with MAGNETOM Aera

Tim 4G and Dot technology to provide increased flexibility and reduced scanning times

Royal Bournemouth Hospital, part of the Royal Bournemouth and Christchurch Hospitals NHS Foundation Trust, has installed a MAGNETOM® Aera 1.5 Tesla MRI system from Siemens Healthcare. The system is replacing another from Siemens and is being used for a number of examinations such as neuroimaging, orthopedics, cardiac, oncology and angiography.

The Aera combines Tim 4G (Total imaging matrix) and Dot™ (Day optimising throughput) technology. Tim 4G provides flexibility with 48 channels and lightweight, cableless coils that can be seamlessly integrated to support large anatomic coverage. Dot ensures exam strategies are personalised for every user, based on patient condition and clinical indication.

The hospital expects the system's short acquisition times and customised workflows to shorten scanning times and maintain consistently high image resolution levels. Dot optimises the patient examination strategy, automating the steps needed to get a high quality scan.

“Our previous system had eight channels whereas the Aera has 48, significantly improving the signal generated by the coils. This will help to reduce scan times and increase throughput without compromising on image quality,” said Matthew Benbow, Superintendent Radiographer at Royal Bournemouth Hospital. “The Aera has replaced a system that took 12 minutes to conduct a routine lumbar spine scan, which now takes just seven minutes to do the same examination.”

“With its wide bore, moodlight features and detachable table, the Aera will help make examinations and the clinical environment more comfortable for patients,” said Paul Vaughan, Regional Sales Manager at Siemens Healthcare. “The combination of advanced Tim and Dot technology will assist with workflow at Royal Bournemouth Hospital, making procedures more convenient for radiographers and allowing a greater number of patients to be seen.”

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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 offers its 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 optimizing clinical workflows for the most common diseases, Siemens also makes healthcare faster, better and more cost-effective. Siemens Healthcare employs some 48,000 employees worldwide and operates around the world. In fiscal year 2010 (to September 30), the Sector posted revenue of 12.4 billion euros and profit of around 750 million euros. For further information please visit: www.siemens.com/healthcare.

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Picture caption: Staff at Royal Bournemouth Hospital, part of the Royal Bournemouth and Christchurch Hospitals NHS Foundation Trust welcome the arrival of a MAGNETOM® Aera 1.5 Tesla MRI system from Siemens Healthcare. (Left to right): Dr Mark Bryant, Radiology Fellow; Sarah Jenkins, Senior Radiographer; Susan Grundy, Senior Radiographer; Matthew Benbow, Superintendent Radiographer; Paul Vaughan, Regional Sales Manager at Siemens Healthcare; Samantha Tuomi, Senior Radiographer; Wendy Eden, Senior Radiographer; and Andrea Foden, Senior Radiographer.