

Royal Glamorgan Hospital streamlines services with MAGNETOM Aera

Excellent image quality and post-processing ability to reduce scanning times

Royal Glamorgan Hospital, part of the Cwm Taf Health Board, has installed a MAGNETOM® Aera 1.5 Tesla MRI system from [Siemens Healthcare](#). The system was recently opened by Lesley Griffiths, Minister for Health and Social Services in the Welsh Assembly. It will be used for a wide range of examinations including whole body imaging, whole body diffusion weighted imaging, non-contrast angiography, enterography and breast biopsy.

The Aera's short, wide 70cm Open Bore is helping to increase acceptability and comfort for patients, improving the clinical environment for claustrophobic or larger patients, plus helps to reduce sedation rates and minimise stress levels. Non-contrast imaging is expected to aid patients with renal impairment who may be at risk from nephrogenic systemic fibrosis (NSF) and it is also hoped that the introduction of whole body and whole body diffusion weighted imaging will reduce the requirements for isotope scanning.

The system's advanced post-processing abilities automate many processes, assisting workflow and maintaining excellent image quality. Combining Tim 4G (Total imaging matrix) and Dot™ (Day optimising throughput) technology, the Aera provides flexibility with 48 channels, lightweight coils and ensures exam strategies are personalised for every user, based on patient condition and clinical indication.

"We sought a system based on patient comfort, image quality, ease of use for the operator and size of the magnet bore. In every area, the Aera came out top," said Sue Kingston, Superintendent

Radiographer for MRI at Royal Glamorgan Hospital. “We have had tremendous support from Siemens Healthcare during the evaluation period, installation and the applications training.”

“The Aera’s 70cm Open Bore design will ensure patients receive the most comfortable scan experience possible, leading to higher throughput and more referrals,” said Darren Parker, Regional Sales Manager at Siemens Healthcare. “The integration of Tim and Dot technology will help to set a new standard of efficiency, plus its ultra-light coils are fast and easy to handle, assisting with workflow.”

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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 optimising 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 Glamorgan Hospital, part of the Cwm Taf Health Board, welcome the arrival of a MAGNETOM® Aera 1.5 Tesla MRI system from Siemens Healthcare. (Left to right): Julia Prichard, Senior Radiographer; Simon Povey, Senior Radiographer; Sue Kingston, Superintendent Radiographer; Darren Parker, Regional Sales Manager at Siemens Healthcare and Sarah Rees, Senior Radiographer.