



News Release

Wales' First Minister explores Swansea University's ILS, including MRI installation

MAGNETOM Skyra 3 Tesla from Siemens Healthcare delivering high quality imaging

The Clinical Imaging Facility at Swansea University's Institute of Life Science (ILS) has recently installed a MAGNETOM® Skyra 3 Tesla MRI system from Siemens Healthcare at its state-of-the-art research centre. The ILS Phase Two development was officially opened by the First Minister of Wales, The Rt. Hon Carwyn Jones, who viewed the Siemens Healthcare system during his visit to the pioneering medical research facilities.

The MAGNETOM Skyra 3T is being used for scientific medical research and is handling a mixed research workload of MR spectroscopy, neuroradiology, tractography, Diffusion Tensor Imaging and functional MRI.

The MAGNETOM Skyra offers Tim® 4G (total imaging matrix) functionality, rapidly providing clear images. Tim technology assists MRI with flexibility, accuracy and speed to shorten image acquisition. It offers up to 204 coil elements with up to 128 channels for flexible accurate parallel imaging, combined with 48 RF channels. Tim's digital Direct RF allows for high signal purity and stability with all transmit and receive components located at the magnet. Its capabilities are further enhanced by Dot®, which assists research by optimising and automating positioning and alignment of slices, providing consistent image quality.

The system also incorporates a 70cm Open Bore design to accommodate a variety of subject types and sizes for subject comfort. The option of an illuminated coloured MoodLight on the front panel is also available and can be changed according to subject preference to aid relaxation.

“We have been very impressed with the MAGNETOM Skyra from Siemens Healthcare,” states Paola Griffiths, Superintendent Research Radiographer at Swansea University’s Clinical Imaging Facility. “The system has already proved a successful, user-friendly addition to our facilities. We are enjoying excellent image quality, the ergonomic design is well-executed and the wide bore is subject-friendly. We have also found the Siemens Healthcare clinical application specialists to be very knowledgeable and helpful.”

“We are very pleased that Swansea University’s Clinical Imaging Facility selected the MAGNETOM Skyra 3T to aid its innovative medical research,” states Darren Parker, Regional Sales Manager at Siemens Healthcare. “It automates the examination process from preparation and set-up, to image acquisition and processing, enhancing productivity. The system is also very versatile and offers advanced functionality with a user-friendly setup making it the ideal choice for medical research requirements as well as routine hospital examinations.”

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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 51,000 employees worldwide and operates around the world. For further information please visit: <http://www.siemens.co.uk/healthcare>.

About Swansea University’s Institute of Life Science (ILS)

ILS is the research arm of Swansea University's College of Medicine and carries out work in areas such as cancer, obesity and diabetes. The first phase of ILS cost £52 million and opened in March 2007. The project is a unique collaboration between the Welsh Government, Swansea University and IBM. The £28.8 million second phase of ILS was officially opened by Wales’s First Minister in December 2011; it is

expected to create 650 jobs. The building also houses the Centre for NanoHealth (CNH), a £21.6m joint initiative between the College of Engineering and the College of Medicine. Visit ILS at <http://www.swan.ac.uk/ils/home/> and CHN at <http://www.swan.ac.uk/nanohealth/>.

About Swansea University

Swansea University is a world-class research-led university located in beautiful parkland with views across Swansea Bay close to the Gower Peninsula, the UK's first Area of Outstanding Natural Beauty. The University was established in 1920 and currently offers around 500 undergraduate courses and 150 post-graduate courses to 15,921 undergraduate and postgraduate students. Visit www.swansea.ac.uk. *Swansea University is a registered charity. No.1138342.*

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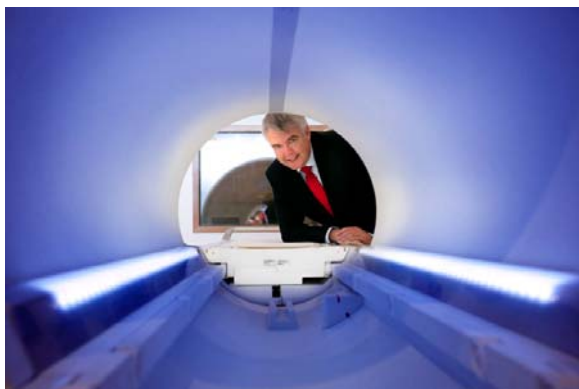
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Picture caption: Wales' First Minister, The Rt. Hon Carwyn Jones, views the MAGNETOM[®] Skyra 3T from Siemens Healthcare, during the official opening of Swansea University's Institute of Life Science Phase Two.



Picture caption: The recently installed MAGNETOM® Skyra 3T from Siemens Healthcare at the Clinical Imaging Facility at Swansea University's Institute of Life Science is being used by Mrs Paola Griffiths Supt Research Radiographer for scientific medical research.

