

Innovations for imaging and diagnostics

Siemens Healthcare showcases its latest solutions at the European Congress of Radiology (ECR) 2011

Siemens Healthcare has presented its latest innovations for imaging and diagnostics at the European Congress of Radiology (ECR) 2011. Highlights included the Biograph™ mMR, which is the world's first integrated whole-body molecular MR with simultaneous data acquisition technology, and two new radiography systems: the MULTIX Select DR and the Mobilett Mira. Siemens also showcased its image management and diagnostic software *syngo*®.via, which provides advanced visualisation tools and automated processes leading to faster reading times.

The **Biograph mMR** has the potential to provide new diagnostic opportunities in neurology, oncology, and cardiology as well as opening up new opportunities for research, such as the development of new biomarkers or therapeutic approaches. It comprises a 3-Tesla magnetic resonance (MR) scanner and an integrated positron emission tomography (PET) detection system, making it possible to simultaneously capture MR and PET data with a whole-body system for the first time. While MR provides intricate morphological and functional details in human tissue, PET goes further to investigate the human body at the level of cellular activity and metabolism.

“As the first whole-body system with the capability of simultaneously capturing MR and PET data the Biograph mMR represents a new dimension in diagnostic imaging to capture tissue and cellular data from inside the human body,” states Lawrence Foulsham, Molecular Imaging Product Manager at Siemens Healthcare. “It is a truly hybrid imaging information solution that makes obtaining information much more efficient and allow clinicians to gain a better understanding of a disease and its progression.”

The **MULTIX Select DR** is an entry-level X-ray system that facilitates cost-effective access to Digital Radiography. Suitable for virtually all clinical radiography applications and easy-to-use, the system has been particularly designed for doctors in private practices and small to medium-sized hospitals.

The **Mobilett Mira** is Siemens' first mobile digital X-ray system with a wireless detector. It sends image data via W-LAN to an integrated imaging unit and facilitates examinations of patients with limited mobility. The system's new swivel arm can also be moved horizontally up to 90 degrees to increase its ease-of-use.

syngo.via, Siemens' imaging software for multimodality reading of clinical cases, has been installed in more than 300 hospitals worldwide. Its advanced visualisation tools and automated processes helps increase reading efficiency across multiple specialties including oncology, cardiology and neurology.

Siemens also announced the new version of its **syngo Embolisation Guidance** imaging software to simplify and accelerate the minimally invasive embolisation of benign tumours such as myomas. The new version can speed up interventions, meaning both contrast medium and dose can be reduced.

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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: At the European Congress of Radiology 2011, Siemens Healthcare showcased the Biograph™ mMR, which is the world's first integrated whole-body molecular MR with simultaneous data acquisition technology currently undergoing clinical use testing.

