Siemens Unveils Biograph mMR Whole-Body Integrated MR-PET System Capable of Simultaneous Data Acquisition

Bio-Medicine.Org

MALVERN, Pa., Nov. 19, 2010 /PRNewswire/ -- **At the 96th Scientific Assembly and Annual Meeting of the Radiological Society of North America (RSNA), November 28 - December 2 in Chicago, Siemens Healthcare (Booth #822, East Building/Lakeside Center, Hall D) will unveil the Biograph™ mMR*, the world's first integrated whole-body molecular Magnetic Resonance (MR) system with simultaneous data acquisition technology, currently undergoing clinical use testing. This revolutionary system comprises an MR scanner and an integrated Positron Emission Tomography (PET) detection system with an architecture that performs as one. In the new 3-Tesla hybrid system, Siemens developers have succeeded for the first time in simultaneously capturing MR and PET data with a whole-body system. The Biograph mMR system has been installed at the University Hospital "Klinikum rechts der Isar" of the Munich Technical University in Germany.**

(Logo: http://photos.prnewswire.com/prnh/20070904/SIEMENSLOGO)

(Logo: http://www.newscom.com/cgi-bin/prnh/20070904/SIEMENSLOGO)

"Together with our partner Siemens, we are entering a new dimension in diagnostic imaging today," says Prof. Dr. Markus Schwaiger, director of the Clinic for Nuclear Medicine at the University Hospital. "We've initiated clinical use testing of Biograph mMR in an effort to diagnose diseases at a very early stage to see the progression of disease and to use that information to develop a therapy plan precisely focused on the respective patient. Furthermore, we plan to use the system for cancer follow-up in the long run, by reducing radiation exposure by the use of the system."

With the simultaneous acquisition of MR and PET data, this system is designed to provide new opportunities for imaging. While MR provides exquisite morphological and functional details in human tissue, PET goes further to investigate the human body at the level of cellular activity and metabolism. The innovative system ha
'/>"/>

SOURCE [1]

Source URL (retrieved on *03/13/2014 - 9:41pm*):
http://www.mdtmag.com/news/2010/11/siemens-unveils-biograph-mmr-whole-body-integrated-mr-pet-system-capable-simultaneous-data-acquisition

Links:
[1] http://www.bio-medicine.org/medicine-technology-1/Siemens-Unveils-Biograph-mMR-Whole-Body-Integrated-MR-PET-System-Capable-of-Simultaneous-Data-Acquisition-12976-1/