

Healthcare Sector Imaging & IT Division

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All Images in a Single View

New software for MR breast imaging simplifies diagnoses and biopsies

With its new diagnostic reporting software for breast imaging in magnetic resonance imaging (MRI), Siemens Healthcare provides radiologists with new opportunities in Women's Health. The syngo BreVis diagnostic reporting software shows all of a patient's examination results in a single view – for example ultrasound or radiography images next to the images from magnetic resonance imaging – impossible with previous technology. Additionally, the physician can use the new syngo BreVis Biopsy interventional software to plan and perform a biopsy when needed. It is almost fully automated and much faster than before. As such, this fast and efficient application represents a major advance for patients and users.

Given its high number of images, MR breast imaging is particularly challenging to diagnostic reporting software. Siemens faced this challenge with ongoing development and the implementation of new ideas. Its latest innovations in the area of MR breast imaging include the Magnetom Espree - Pink breast scanner, as well as a comprehensive range of applications specifically for MR breast imaging. These have now been enhanced by specialized syngo BreVis and syngo BreVis Biopsy software solutions. Syngo workplaces support both of these new solutions, which are computer-based diagnostic tools.

The syngo Brevis Workplace is a flexible hardware and software solution that is easy to use while simultaneously providing efficient diagnostic reporting. To establish a diagnosis, the physician can display ultrasound or radiography images in addition to magnetic resonance images, compare them, and process them individually, all on a single screen. The syngo Brevis Workplace enables almost fully automated reporting, elastic image correction of data should the patient move, color display of dynamic image information, and calculation of lesion volume. Diagnostic workflows are further optimized because the syngo Brevis diagnostic report is based on the BI-RADS classification. This Breast Imaging Reporting and Data System (BI-RADS) is a classification of

breast lesions for diagnostic reporting accepted worldwide, and was created by the American College of Radiology (ACR).

The syngo Brevis Biopsy Workplace offers the physician an intuitive, fast, and precise means for planning and performing biopsies. The software automatically calculates the coordinates of the breast tissue to be removed. All components work together so that the intervention can be performed easier and faster than before, an advantage both to the patient and examining physician.

The new software solutions were developed by MeVis in close cooperation with Siemens. They are part of the Magnetom Espree - Pink dedicated MR breast scanner, but are also available for all other systems of the Magnetom family from Siemens. "In addition to the well-known high diagnostic reliability of our software applications, this specialized MRI solution is characterized by an unusually high clinical process efficiency," said Dr. Carl J.G. Evertsz, CEO of MeVis Medical Solutions AG. "The new syngo BreVis diagnostic reporting software represents a major step toward real multi-modality diagnostics."

Photos accompanying this press release are available under:

<http://www.siemens.com/med-pictures/MR-Brevis>

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