

### Healthcare Sector Imaging & IT

#### **Siemens Introduces Dedicated Ultrasound Solution for Obstetrics and Gynecology**

ACUSON X300 Premium Edition (PE) – Women’s Imaging features latest ultrasound technologies to improve diagnostic confidence and clinical workflow

**Mountain View, Calif., July 1, 2009 – Siemens Healthcare today introduced a dedicated ultrasound solution for Obstetrics and Gynecology, the ACUSON X300™ ultrasound system, Premium Edition (PE) – Women’s Imaging. The system features exceptional clinical performance across all modes, including 3D/4D imaging. Unique workflow tools such as automated biometry measurements of the fetus streamline the exam process for greater patient throughput. Compact, highly portable, and easy to use, the system accommodates the needs of any clinical environment – from private practices to busy hospital settings.**

The ACUSON X300 PE – Women’s Imaging system features *syngo*® Auto OB measurements, a unique workflow tool that automates routine biometry measurements of the fetus. “*syngo* Auto OB measurements is a knowledge-based workflow application that eliminates the time-consuming manual process of biometry measurements with a savings up to 75 percent of the keystrokes,” said Klaus Hambuechen, chief executive officer, Ultrasound, Siemens Healthcare. “Not only does this help to accelerate workflow, this may also help to reduce repetitive stress injury (RSI) among users.”

The application also addresses the challenges related to user-dependence and variability as well as consistency and reproducibility in fetal biometry. Measurements are automatically saved into the patient’s report and include the biparietal diameter (BPD), head circumference (HC), abdominal circumference (AC), femur length (FL), and the humerus length (HL).

#### **Innovative Applications**

The ACUSON X300 PE – Women’s Imaging system also offers Advanced fourSight™ volume imaging technology providing a complete 3D/4D solution. It delivers streamlined, intuitive workflow

and advanced acquisition, data rendering and post-processing functionality for all examinations. In addition, the system offers *syngo*® Velocity Vector Imaging™ (VVI) for fetal echocardiography, a sophisticated 2D tracking algorithm which provides insight into fetal myocardial mechanics.

“A comprehensive analysis of these heart functions may help detect fetal cardiac anomalies more easily during routine obstetrical exams,” said Barbara Del Prince, Worldwide Market Manager for Obstetrics and Gynecology at Siemens Ultrasound. “The earlier anomalies are detected and referred to a pediatric specialist, the better the clinical prognosis for the postnatal infant.”

To complete the solution, the *syngo*® fourSight™ ViewTool technology offers easy offline analysis, remote review, manipulation and storage of 3D/4D volumes, freeing the ultrasound system for additional patient exams.

### **Increased Diagnostic Confidence**

The ACUSON X300 PE – Women’s Imaging features a suite of advanced imaging and transducer technologies to support breast, obstetrics and gynecological imaging. Key technologies include SieClear™ multi-view spatial compounding and Dynamic TCE™ tissue contrast enhancement technology for improved contrast resolution and border enhancement in subtle tissue textures such as the endometrium. Further image enhancement is achieved through TGO™ tissue grayscale optimization technology which provides one button optimization of B-mode images to shorten exam time, reduces repetitive motion and provides greater consistency between users.

The unique ErgoDynamic™ imaging system design of the ACUSON X300 PE — Women’s Imaging system includes a number of practical ergonomic features, including an adjustable control panel and articulating flat panel display, providing optimal positioning of the system in tight spaces. Its small, lightweight transducers complete the ergonomic package with advanced features such as Hanafy lens and MultiHertz™ multiple frequency imaging technologies, which provide excellent penetration with reduced scanning pressure. From a customizable patient entry screen to a 12-second system power-up for fast access, the system is engineered to easily address the day-to-day clinical challenges in Women’s Imaging.

The ACUSON X300 PE — Women’s Imaging system is available as of July 1, 2009.

The **Siemens Healthcare Sector** is one of the world's largest suppliers to the healthcare industry. The company is a renowned medical solutions provider with core competence and innovative strength in diagnostic and therapeutic technologies as well as in knowledge engineering, including information technology and system integration. With its laboratory diagnostics acquisitions, Siemens Healthcare is the first integrated healthcare company, bringing together imaging and lab diagnostics, therapy, and healthcare information technology solutions, supplemented by consulting and support services. Siemens Healthcare delivers solutions across the entire continuum of care – from prevention and early detection, to diagnosis, therapy and care. Additionally, Siemens Healthcare is the global market leader in innovative hearing instruments. The company employs around 49,000 people worldwide and operates in 130 countries. In the fiscal year 2008 (Sept. 30), Siemens Healthcare reported sales of €11.2 billion, orders of €11.8 billion, and Sector profit of €1.2 billion. Further information can be found by visiting <http://www.siemens.com/healthcare>.