

### Healthcare Sector Imaging & IT Division

#### **Advanced Knowledge-based Applications for High-Risk Obstetrics**

Siemens Shows Latest Ultrasound Technologies That Improve Diagnostic Confidence and Clinical Workflow

**San Diego, Calif., January 29, 2008 – Siemens Healthcare**

**([www.siemens.com/healthcare](http://www.siemens.com/healthcare)) highlights its latest ultrasound solutions for obstetrics at the 29th Annual Meeting of the Society of Maternal-Fetal Medicine (SMFM) in San Diego, January 29-30, featuring innovative knowledge-based workflow and 4D applications that increase diagnostic confidence and improve clinical workflow.**

*syngo*® AutoOB measurements, available exclusively on Siemens' premium performance ACUSON S2000™ ultrasound system, are an advanced clinical tool that automates routine biometry measurements of the fetus.

“Up until now, users needed to perform biometry measurements manually,” said Klaus Hambuechen, chief executive officer, Ultrasound, Siemens Healthcare. “*syngo* AutoOB measurements eliminate this time-consuming manual process by saving up to 75 percent of the keystrokes in routine fetal measurements. This may also help to reduce repetitive stress injury (RSI).”

Measurements include the biparietal diameter (BPD), head circumference (HC), abdominal circumference (AC), femur length (FL), humerus length (HL), and the crown rump length (CRL). The application also addresses the challenges related to user-dependence and variability, as well as consistency and reproducibility in fetal biometry.

In addition, Siemens will showcase its Advanced *fourSight*™ technology package, which includes Fetal Heart STIC (Spatio-Temporal Image Correlation) imaging on the ACUSON S2000 system. This application captures data over multiple heart cycles to create a 3D fetal heart volume.

“Obtaining a 3D volume of the fetal heart will allow easy interrogation of the anatomy and 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.”

The Advanced *fourSight* technology package also features Amnioscopic Rendering, a unique surface rendering tool, which provides photo-realistic images of the fetus.

The Siemens workflow solutions for OB/GYN also encompass sophisticated applications that were migrated from the high-end performance S Class into the X Class product series. The ACUSON X300™ ultrasound system, Premium Edition (PE), for example, 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, including 2D and Doppler.

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>.