

SIEMENS



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Powered for today. Primed for tomorrow.

ACUSON S1000 Ultrasound System

Answers for life.

ACUSON S1000 Ultrasound System

Backed by six decades of imaging innovation





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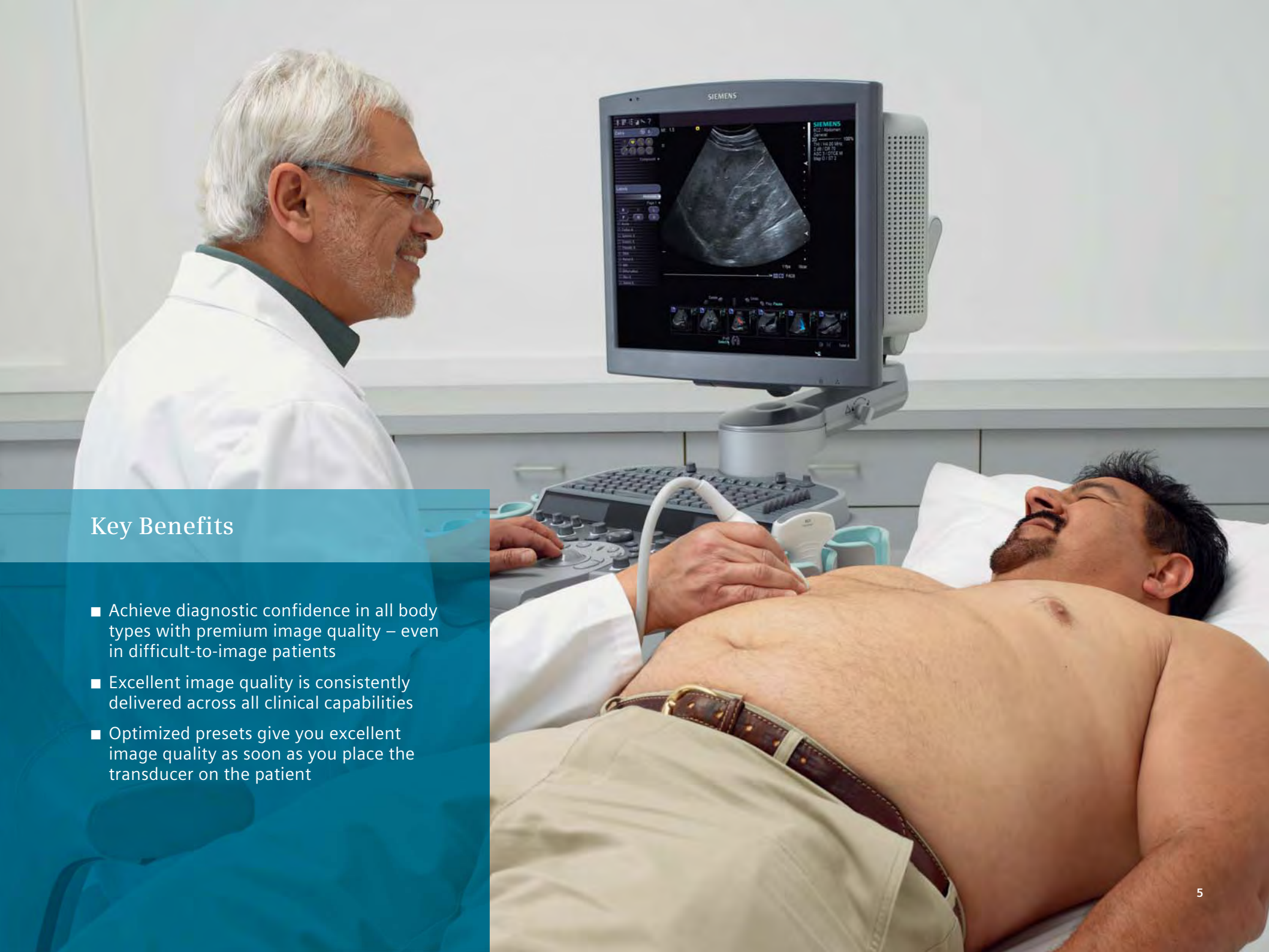
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Imaging Excellence

➤ Where details come to life

With the ACUSON S Family™ of premium ultrasound systems, image quality is front and center. The ACUSON S1000™ ultrasound system delivers exquisite image detail and contrast resolution. Based on the proven architecture of the ACUSON S2000™ ultrasound system, this platform produces a high-fidelity signal while seamlessly

running multiple real-time applications at the same time. As a result, you can evaluate even the most subtle tissue details, visualize deep structures in technically difficult patients and make both routine and complex diagnoses with greater clarity and confidence.



Key Benefits

- Achieve diagnostic confidence in all body types with premium image quality – even in difficult-to-image patients
- Excellent image quality is consistently delivered across all clinical capabilities
- Optimized presets give you excellent image quality as soon as you place the transducer on the patient



Shared Services

➤ Clinical versatility made simple

The ACUSON S1000 system offers an extraordinary degree of configuration flexibility to meet a range of clinical and budgetary requirements. The system supports multiple transducers and exam types to scan any organ or body type, making it an ideal solution for the rigors of a shared service environment.

Whether you work in a hospital, a clinic or a private practice, the ACUSON S1000 system has the power and application diversity to support a spectrum of specialties from

radiology to OB/GYN to cardiology and more, with innovations such as:

- **Clarify™ vascular enhancement (VE) technology** allows clinicians to clearly differentiate vascular anatomy from acoustic artifacts and surrounding tissue at the touch of a button by reducing noise and enhancing the B-mode display with information derived from power Doppler.
- **Amnioscopic Rendering** improves the visualization of fetal anatomy and provides the most photo-realistic fetal
- **syngo® Velocity Vector Imaging™ (VVI) technology** enables clinicians to examine mechanical myocardial functions to determine possible dyssynchrony and fetal heart dysfunction.



Radiology

Delivering outstanding image clarity through advanced technologies and a rich feature set, the ACUSON S1000 system enables clinicians to make confident diagnoses regardless of tissue types, pathology complexities or body habitus.



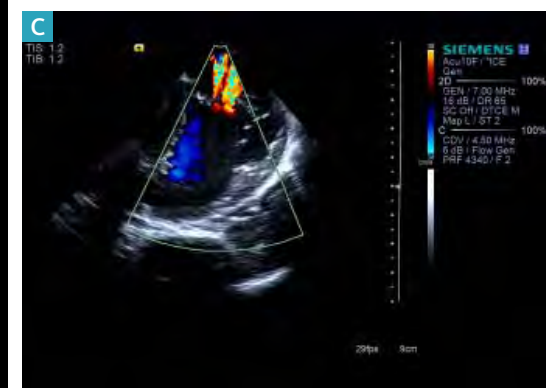
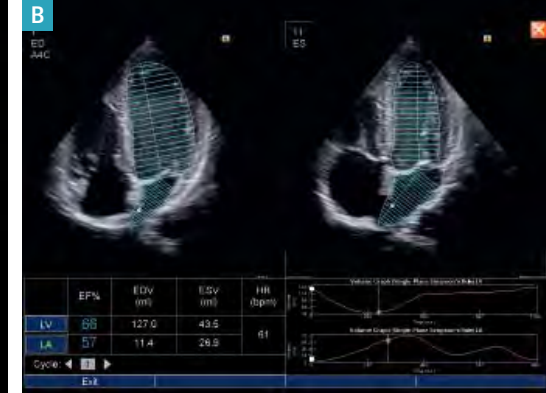
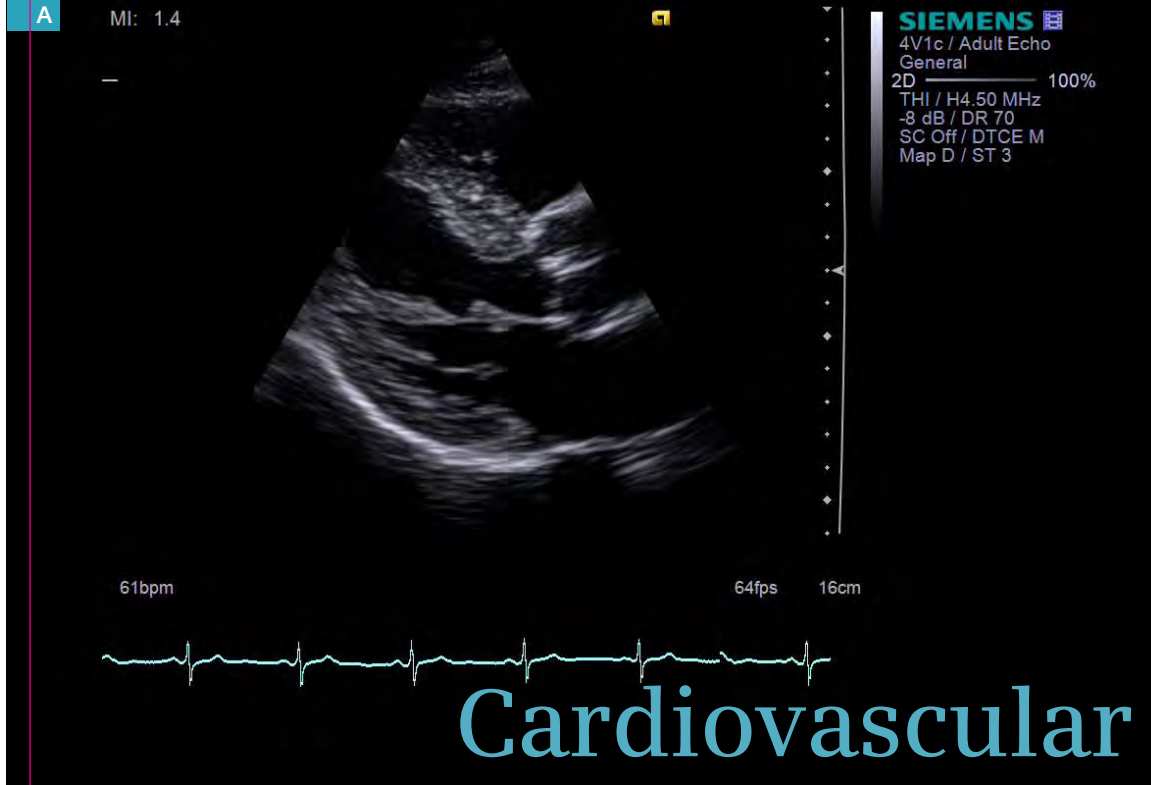
OB/GYN

Superb performance in endovaginal and volume imaging with the ACUSON S1000 system provides additional diagnostic data when needed. Knowledge-based *syngo*® Auto OB measurements minimize operator dependency and improve patient throughput.



Cardiology

The ACUSON S1000 system offers comprehensive tool sets for total cardiac care that include routine echo, stress echo, transesophageal echo, strain imaging and intra-cardiac catheter imaging. Industry-leading workflow tools such as *syngo*® eSieCalcs™ native tracing software and *syngo*® Auto Left Heart analysis help boost accuracy and speed.



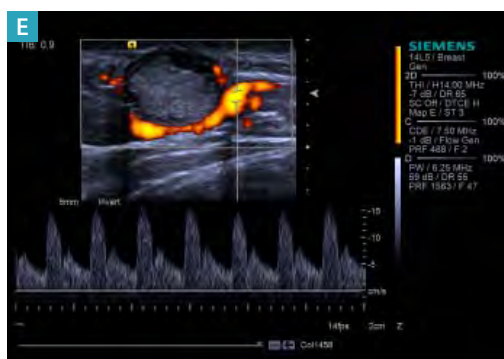
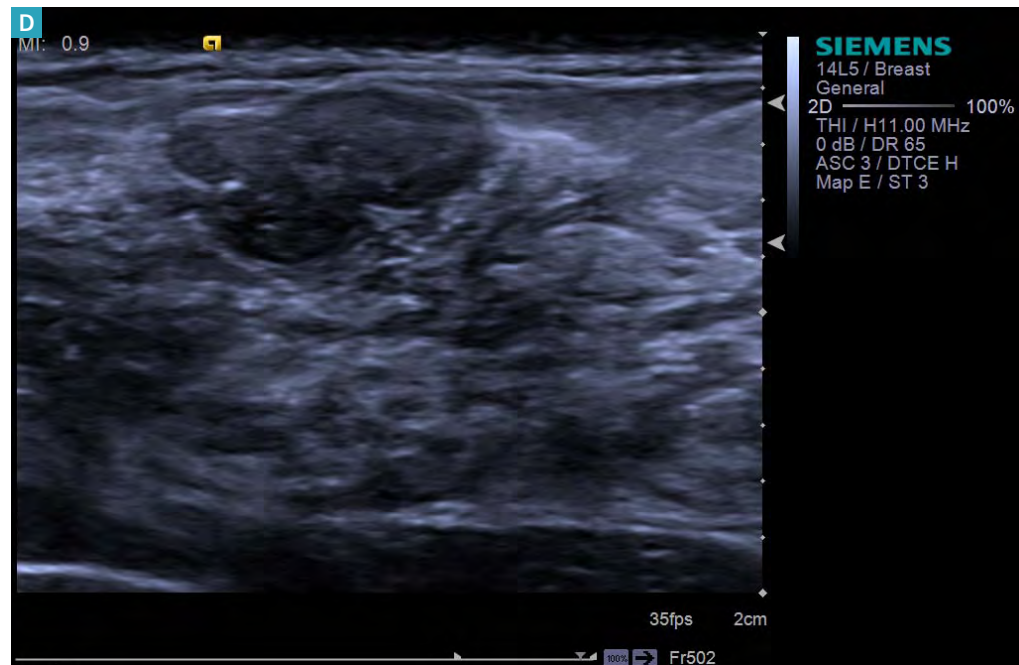
[A] Dynamic TCE technology reduces speckle and enhances contrast resolution throughout the image, improving border delineation.

[B] syngo Auto LH technology automatically calculates left atrial and left ventricular volumes and ejection fractions.

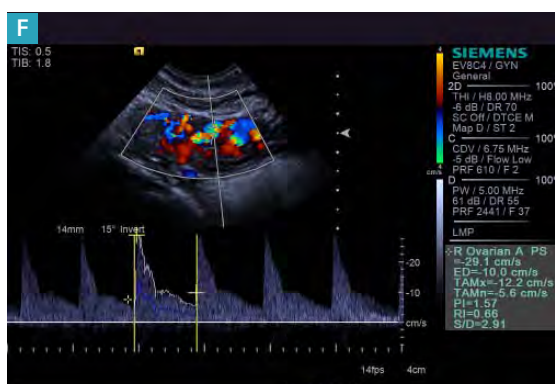
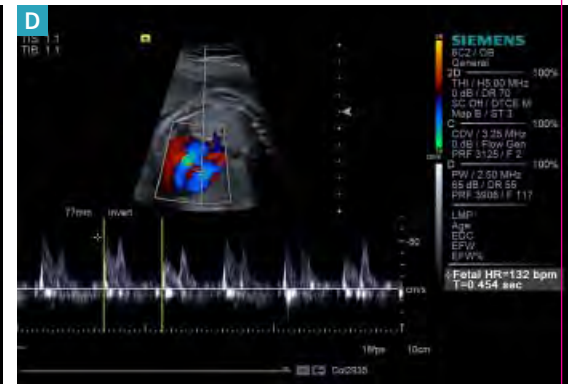
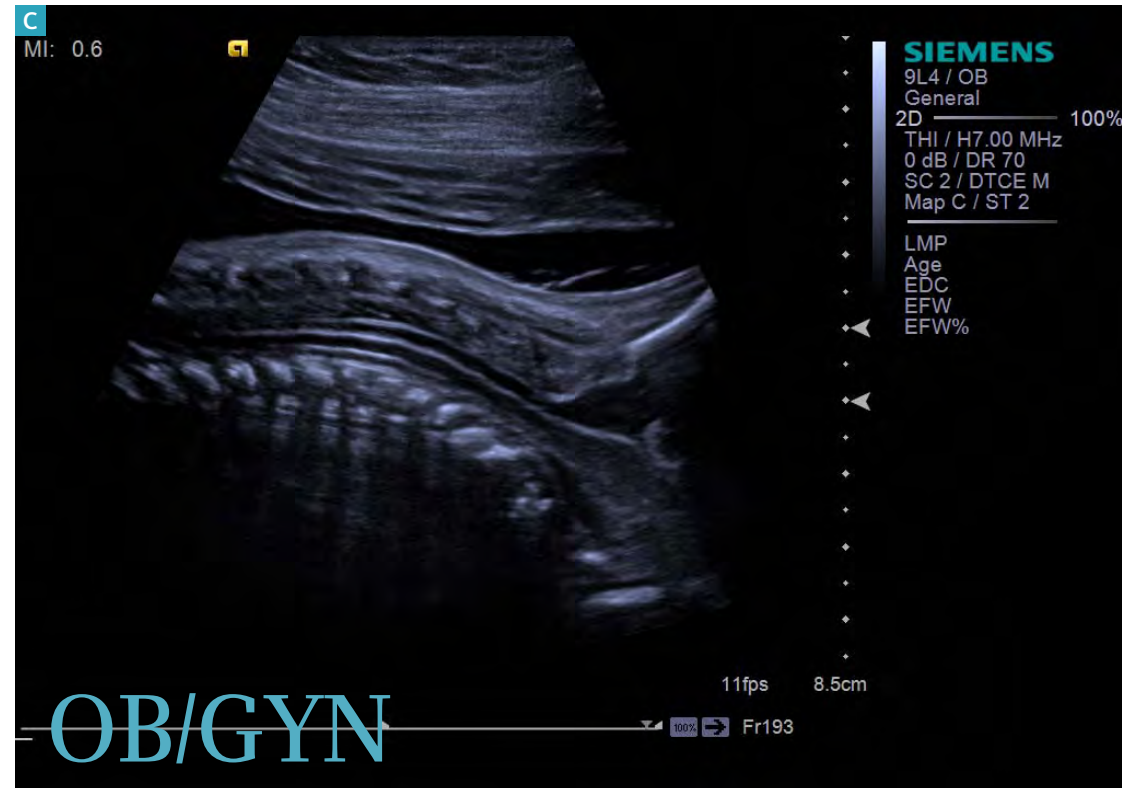
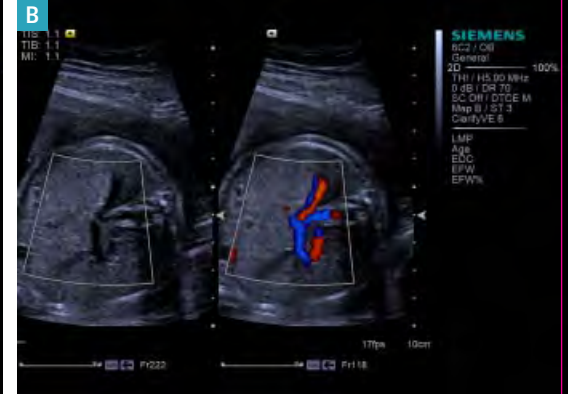
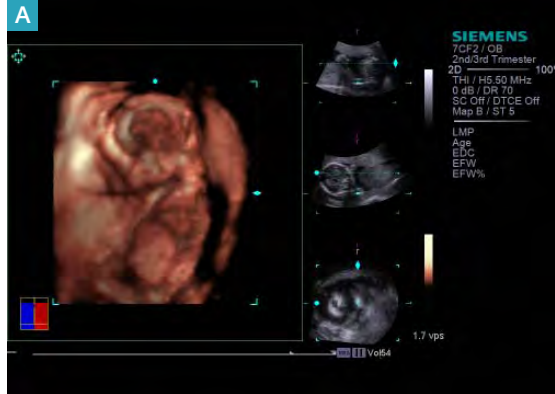
[C] Dual mitral valve regurgitant jets are easily visualized using ACUSON AcuNav™ ultrasound catheter intracardiac echo.

[D] Advanced SieClear spatial compounding and Dynamic TCE technology enhance contrast resolution and border detection in this fibroadenoma.

[E] Excellent detail resolution with the 14L5 transducer is maintained in all imaging modes.



Breast



[A] Amnioscopic Rendering provides excellent detail resolution of intracranial and intra-abdominal structures of this first trimester fetus.

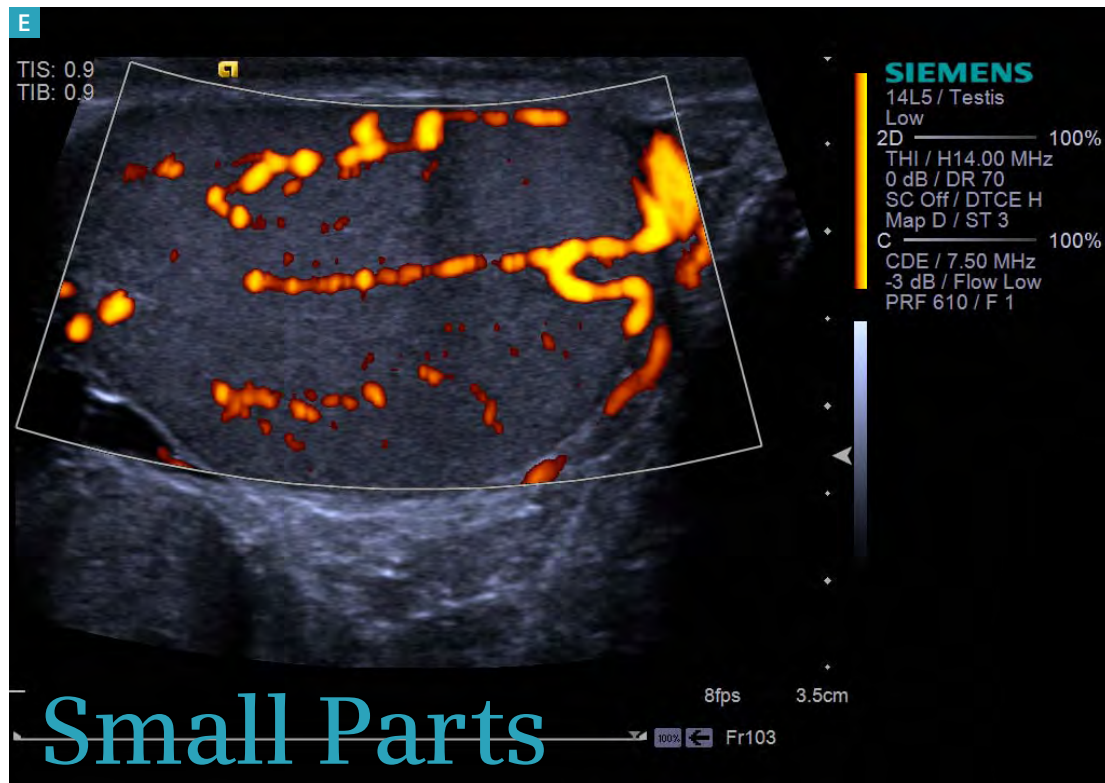
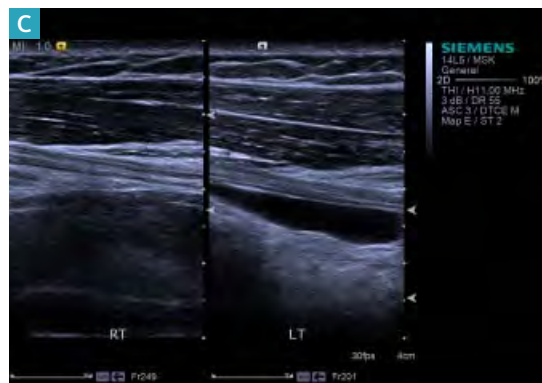
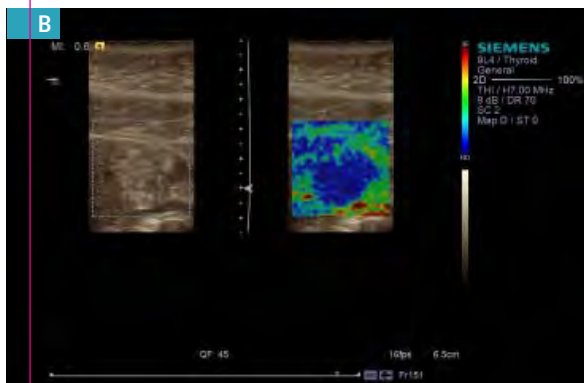
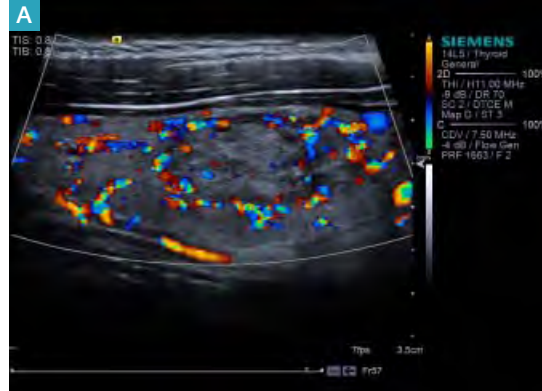
[B] Fetal intra-abdominal vessels are clearly delineated using Clarity vascular enhancement technology alongside the excellent spatial sensitivity of color Doppler.

[C] Outstanding detail resolution of the spinal cord and individual spinous processes are visualized using the 9L4 transducer.

[D] Excellent color Doppler spatial resolution is displayed within the fetal heart using the 6C2 transducer.

[E] Advanced SieClear spatial compounding and Dynamic TCE technology provide outstanding detail and contrast resolution of the nabothian cyst and uterine fibroid.

[F] Superb spatial resolution and pulsed wave Doppler sensitivity are illustrated in this ovarian artery using the EV8C4 transducer.



[A] Excellent detail resolution is maintained alongside superb spatial resolution in this image of a thyroid nodule.

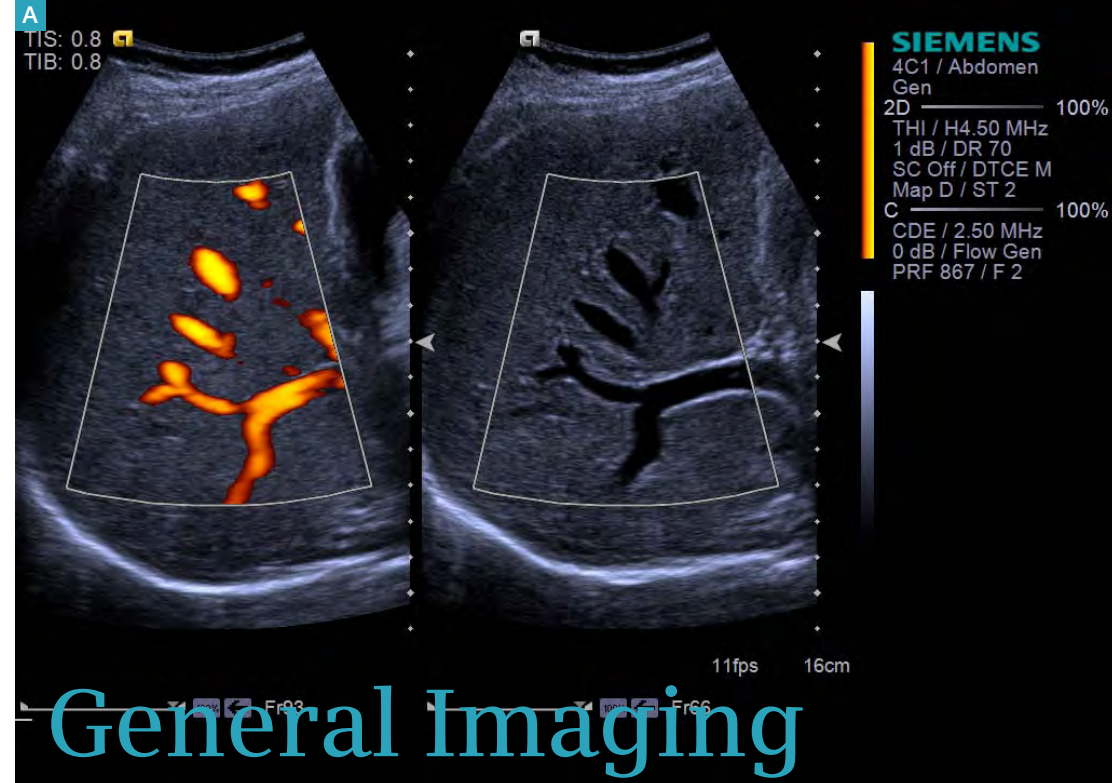
[B] eSie Touch elasticity imaging displays the relative stiffness of this thyroid nodule.

[C] Advanced SieClear spatial compounding and Dynamic TCE technology provide outstanding detail and contrast resolution of fluid collection in the hand.

[D] Exquisite detail throughout the entire field of view is provided by Advanced SieClear spatial compounding and Dynamic TCE technology.

[E] Superb Power Doppler sensitivity is shown in these testicular vessels.

Small Parts



[A] Dual imaging displays clearly delineated liver vessels with Clarify vascular enhancement technology and power Doppler.

[B] Dynamic TCE technology provides excellent detail and contrast resolution in the plaque and intimal thickening of this carotid artery.

[C] Superb grayscale, color, and pulsed wave Doppler are shown in this renal artery.

[D] Advanced SieClear spatial compounding and Dynamic TCE technology enhance contrast and detail resolution in the kidney.

[E] Cadence CPS technology* displays excellent contrast sensitivity in this liver mass.

[F] Excellent contrast resolution seen in the neck with fine detail of all structures with the 14L5 transducer.

[G] Clarify vascular enhancement technology provides outstanding contrast resolution in the celiac axis.

*At the time of publication, the U.S. Food and Drug Administration has cleared ultrasound contrast agents only for use in LVO. Check the current regulations for the country in which you are using this system for contrast agent clearance.



Key Benefits

- Broad clinical range of advanced applications and technologies covers the vast majority of your patients' needs
- Proven clinical tools give you valuable information to help increase detection and improve diagnoses
- Easily customize your system to fit your budget



Innovative Applications

➤ Giving you a diagnostic edge

The ACUSON S1000 system supports a broad range of Siemens' most advanced applications and technologies. These technologies reduce image noise, enhance anatomic borders and improve overall tissue contrast for the best possible detection and diagnosis. Among the technologies migrated to the ACUSON S1000 system:

- **eSie Touch™ elasticity imaging** offers an extraordinary degree of sensitivity to qualitatively assess tissue stiffness, enhance mass detection and visualize
- **Cadence™ contrast pulse sequencing technology*** enhances detection and characterization of lesions with highly sensitive and specific contrast agent signals for a homogenous image resulting in improved image detail.
- **Advanced SieClear™ spatial compounding with Dynamic TCE™ tissue contrast enhancement technology** increases diagnostic accuracy by improving contrast resolution and border detection with a real-time compounding technique that applies an industry-first 13 lines of sight at greater steering angles.

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Workflow and Ergonomics

➤ Making work smarter, simpler and more comfortable

As with our other ACUSON S Family systems, the ACUSON S1000 system was designed to simplify, expedite and streamline day-to-day workflow. Advanced algorithms and an extensive database of real clinical cases work together to quickly and accurately identify and measure anatomical structures. This frees you from the repetitive tasks associated with tracing and measuring, allowing you to focus on patient care.

- **syngo Auto OB measurements** reduce keystrokes in routine fetal exams up to 75 percent by generating semi-automatic biometric fetal measurements.

- **syngo eSieCalcs native tracing software** improves consistency and exam speed by introducing border detection technology that segments an area of interest and provides automatic calculations.

- **eSieScan™ workflow protocols** increase exam consistency and streamline workflow by allowing customized exam protocols based on clinical needs.



Key Benefits

Innovation at your fingertips

We've also taken our years of experience partnering with medical professionals around the world to design simple, elegant and fully functional ergonomics into ACUSON S Family systems. The ACUSON S1000 system features natural and extended reach zones that put the most frequently used controls at your fingertips, allowing you to leverage motor memory.

Because ACUSON S Family systems are built on the same user interface, there's absolutely no learning curve when you move between systems, enhancing both operator ease and productivity.

- Maximize workflow efficiency while reducing repetitive stress injuries
- Knowledge-based workflow frees you from repetitive tasks so you can focus on patient care
- Smart ergonomic design enhances usability and productivity to improve overall results

Access to Ultra-Premium Applications

➤ Protecting your investment

The ACUSON S1000 system provides extraordinary investment protection. You also have an easy upgrade path to Siemens' ultra-premium technologies that are currently available on the other ACUSON S Family solutions. This gives you access to our pioneering technologies faster and further safeguards your investment in best-in-class ultrasound imaging and

applications. Siemens provides the right features and options – now and in the future – earning your trust that we will protect your original investment.



Key Benefits

- Access to ultra-premium applications offers you better flexibility and investment protection
- Designed for coordinated medical, technical and financial efficiency and flexibility
- Partner with a proven innovation leader for over 60 years



Service and Support

➤ Price is a Number. Value is our Promise.

The ACUSON S1000 system features Ultrasound System Security, based on McAfee® Embedded Control, for the ultimate in protection against advanced persistent threats, viruses, malware and other executing software. The system also automatically connects to Siemens Remote Service™, a comprehensive remote support infrastructure, giving you access to a range of online service capabilities.

In fact, Siemens offers a variety of service programs that suit the needs of different healthcare environments – delivering both superior support and valuable cost savings for any size clinic, practice or medical setting. Siemens' coverage options provide protection from unexpected costs as well as fast and attentive service allowing you to stay focused on what matters most – the patients in your care.

Standalone clinical images may have been cropped to better visualize pathology.

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Global Siemens Headquarters

Siemens AG
Wittelsbacherplatz 2
80333 Muenchen
Germany

Global Siemens Healthcare Headquarters

Siemens AG
Healthcare Sector
Henkestrasse 127
91052 Erlangen
Germany
Phone: +49 9131 84-0

Legal Manufacturer

Siemens Medical Solutions USA, Inc.
Ultrasound
685 East Middlefield Road
Mountain View, CA 94043
USA
Phone: +1-888-826-9702
www.siemens.com/ultrasound

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