

## ACUSON X300 ultrasound system, premium edition

### General Imaging



The versatile, compact platform for today's wide range of general imaging challenges

The ACUSON X300™ ultrasound system, premium edition (PE) provides the versatility, performance and imaging excellence needed for a wide range of patients and exam types. Migration of high end imaging capabilities such as Hanafy lens transducer technology and SynAps™ synthetic aperture technology allow the ACUSON X300 PE to maintain exceptional imaging at depth and improve penetration for greater diagnostic confidence. Workflow enhancements, such as TGO™ tissue grayscale optimization technology and the advanced ErgoDynamic™ imaging system design, provide an efficient and comfortable solution to quickly move you through ultrasound exams.

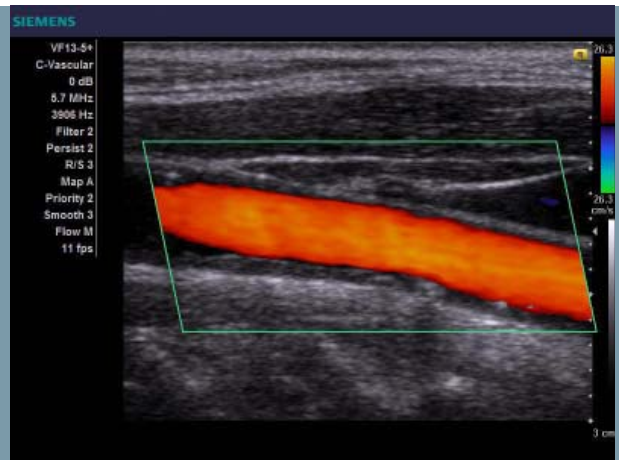
#### Highlights

- Comprehensive and Flexible Imaging System:**  
 Supports a comprehensive set of imaging applications including cardiac imaging. Migration of high end technologies provides features and imaging enhancements across all applications.
- SieClear™ Multi-View Spatial Compounding:**  
 Receives multiple lines of sight to improve tissue differentiation and reduce speckle in real-time. Tissue boundaries and interfaces appear sharper and more continuous.
- Dynamic TCE™ Tissue Contrast Enhancement Technology:**  
 Advanced, proprietary, real-time processing algorithm that enhances tissue contrast resolution and reduces speckle. Low contrast lesions can appear sharper and more conspicuous.
- Advanced fourSight™ Technology:**  
 Provides a complete 3D/4D solution, delivering streamlined, intuitive workflow and advanced acquisition, data rendering and post-processing functionality.
- TGO™ Tissue Grayscale Optimization Technology:**  
 Shortens exam time, reduces repetitive motion and increases diagnostic confidence with consistently optimized exams across all patients, operators and applications at the touch of a button.
- AutoColor Technology:**  
 Single button color flow adjustment to quickly optimize for varying flow states within different vessels.
- Cadence™ Contrast Agent Imaging Technology\*:**  
 Provides excellent detection of the responses from contrast agent microbubbles, coupled with a high resolution display. Simultaneously detects the signals returning from the contrast agent and arising from tissue and allows switching between contrast-only display and tissue-only display providing real-time flexibility and enhanced diagnostic confidence.
- QuikStart:**  
 Enables rapid start functionality reducing the time required for power-up and power-down events. Allows access to all system functions in less than 12 seconds.



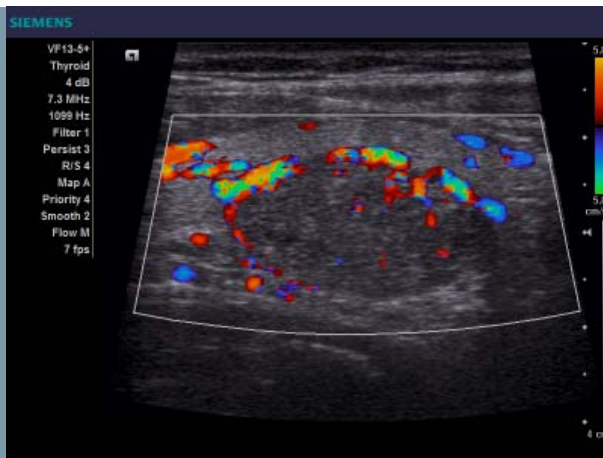
### Tissue Harmonic Imaging

- Improves contrast resolution and enhances the differentiation between the liver parenchyma and this hemangioma.



### High Frequency and Color Doppler Imaging

- Provides superior detail resolution of soft plaque with excellent color sensitivity.



### Color Doppler Imaging

- Provides excellent color sensitivity identifying small, low flow vessels within this large solid thyroid mass.



### Dynamic TCE Technology and SieClear Compounding

- Enhance tissue contrast resolution, reduce speckle and improve border definition to clearly demonstrate the median nerve.

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

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

ACUSON, Cadence, Dynamic TCE, ErgoDynamics, SynAps, four-Sight, SieClear, TGO and X300 are trademarks of Siemens Medical Solutions USA, Inc.

Order No. A91US-180-1C-4A00 | Printed in Germany | CC US WS 041110. | © 04.2011. Siemens Medical Solutions USA, Inc.

#### Global Siemens Headquarters

Siemens AG  
Wittelsbacherplatz 2  
80333 Muenchen  
Germany

#### Global Siemens Healthcare Headquarters

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

#### Legal Manufacturer

Siemens Medical Solutions USA, Inc.  
Ultrasound  
1230 Shorebird Way  
Mountain View, CA 94043 USA  
Phone: +1-888-826-9702