

ACUSON X300 ultrasound system, premium edition

Vascular Imaging



The versatile portable platform for advanced vascular imaging

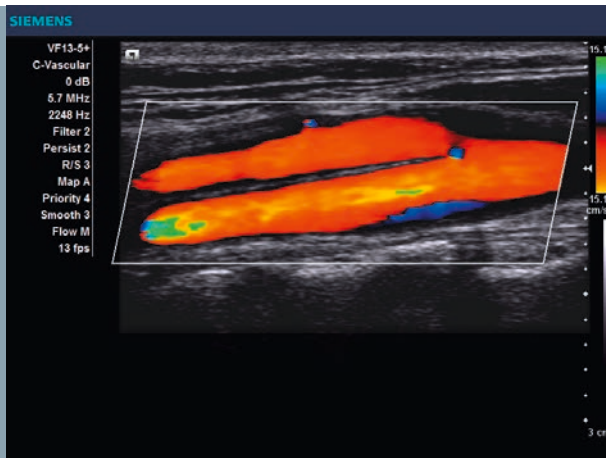
The ACUSON X300™ ultrasound system, premium edition (PE) is ideally suited to handle the diagnostic challenges of carotid, peripheral vascular, abdominal vascular and transcranial imaging. Combining superior image quality with Siemens' many advanced imaging capabilities, this fully featured, compact, lightweight system is ideal for any environment. DICOM structured reporting and the powerful DIMAQ-IP integrated ultrasound workstation streamline clinical workflow.

Highlights

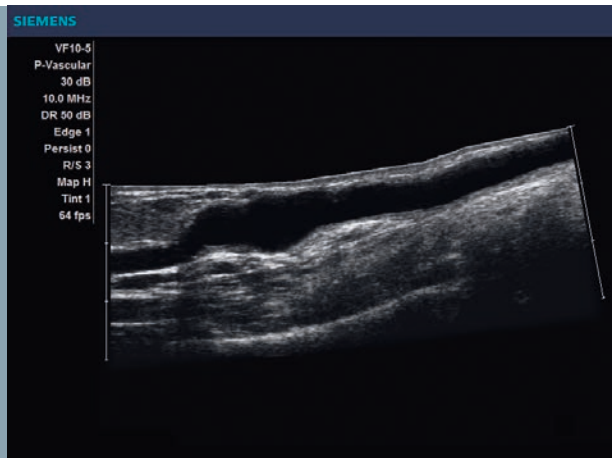
- **SieClear™ Multi-View Spatial Compounding:** Receives multiple lines of sight to improve contrast resolution and tissue differentiation in real-time. Tissue boundaries and interfaces appear sharper and more continuous.

- **Clarify™ Vascular Enhancement (VE) Technology:** Reduces noise and artifact to provide exceptional contrast resolution and clear delineation of vessels.
- **Dynamic TCE™ Tissue Contrast Enhancement Technology:** Advanced, proprietary, real-time processing algorithm that enhances tissue contrast resolution through speckle reduction, thus improving border definition.
- **SieScape™ Panoramic Imaging:** Provides extended field of view images acquired with real-time high-resolution 2D imaging. Allows display of large structures, providing a global view for orientation.
- **TGO™ Tissue Grayscale Optimization Technology:** Shortens exam time, reduces repetitive motion and increases diagnostic confidence by optimizing exams consistently across patients, operators and applications at the touch of a button.
- **syngo® Arterial Health Package (AHP)*:** Features a semi-automated measurement for Carotid Intima-Media Thickness (CIMT), a reliable, non-invasive method for quickly evaluating cardiovascular risk.
- **DICOM Structured Reporting:** Streamlines clinical reporting by automatically transferring patient and calculation data to DICOM vascular reporting packages.

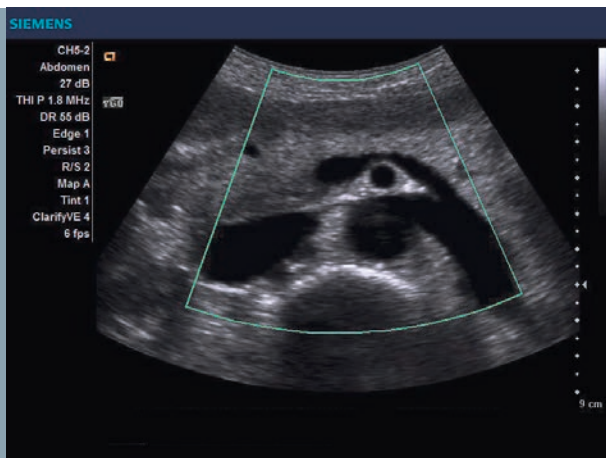
* This feature should be utilized according to the ASE Consensus Statement "Use of Carotid Ultrasound to Identify Subclinical Vascular Disease and Evaluate Cardiovascular Disease Risk: A Consensus Statement from the American Society of Echocardiography Carotid Intima-Media Thickness Task Force, Endorsed by the Society for Vascular Medicine."



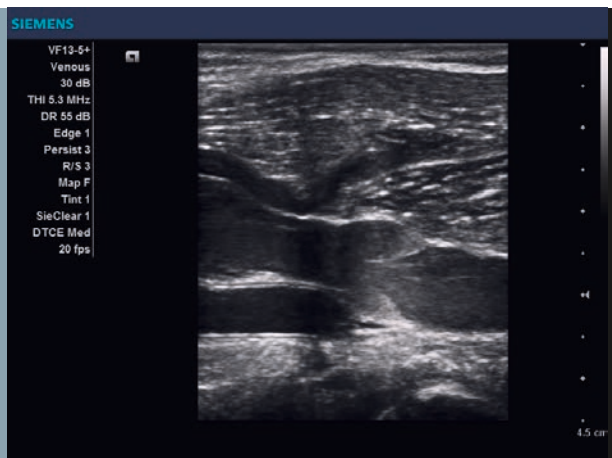
High Frequency and Color Doppler Imaging
Provides superior detail resolution and excellent color filling, clearly visualizing the carotid bifurcation.



SieScape Panoramic Imaging
Provides an extended field of view to demonstrate the length of this brachial artery graft.



Clarify VE Technology
Reduces noise and artifact to provide exceptional contrast resolution and clear delineation of the mid-line abdominal vessels.



Dynamic TEC Technology and SieClear Compounding
Enhances tissue contrast resolution, reduces speckle and improves border definition to clearly demonstrate the leaflets in a calf vein.

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

ACUSON, Clarify, Dynamic TCE, SieClear, SieScape, TGO and X300 are trademarks of Siemens Medical Solutions USA, Inc. and syngo is a trademark of Siemens AG.

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