

# Vascular Imaging



The ACUSON X300™ ultrasound system, premium edition (PE) is ideally suited to handle the diagnostic challenges of cerebral, 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

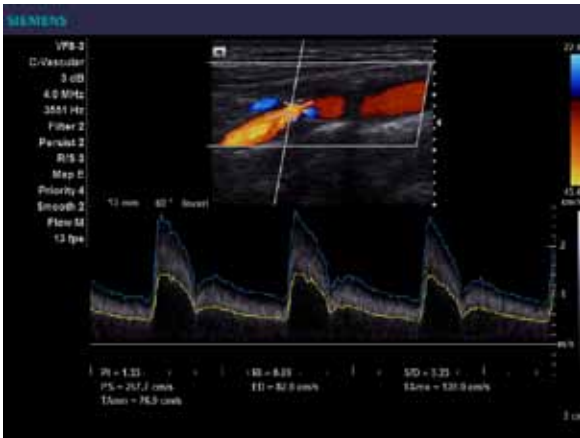
- **SieClear™ Multi-View Spatial Compounding:** Receives multiple lines of sight to improve contrast resolution and tissue differentiation in real-time. Tissue boundaries and interfaces appear sharper and more continuous.
- **Clarify™ Vascular Enhancement (VE) Technology:** Reduces noise and artifact 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 motions and increases diagnostic confidence by optimizing exams consistently across patients, operators and applications.
- **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."

**ACUSON X300 ultrasound system, premium edition**  
The versatile portable platform for advanced vascular imaging

[www.siemens.com/healthcare](http://www.siemens.com/healthcare)

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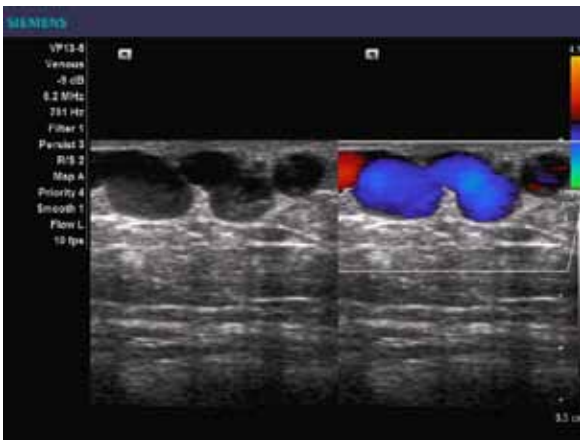
### Autotrace Doppler Measurements

- Easily and quickly provides velocity information in this high grade internal carotid artery stenosis.



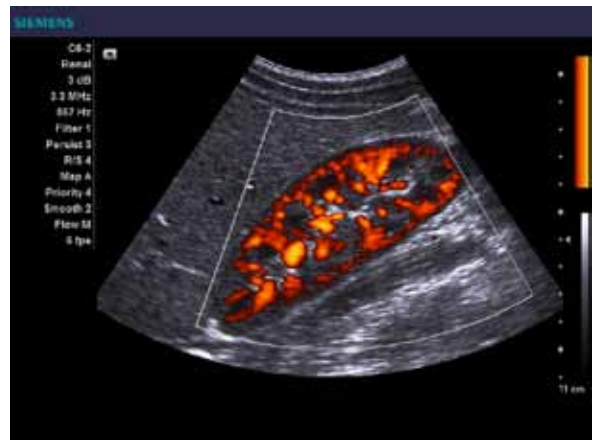
### SieScape Panoramic Imaging

- Provides an extended field-of-view to demonstrate the length of this brachial artery graft.



### High Frequency Imaging

- Superior detail resolution and color Doppler sensitivity are seen in these superficial varicosities.



### Power Doppler Imaging

- Provides excellent sensitivity demonstrating flow out to the renal cortex.

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

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