

ACUSON X700 Ultrasound System

Vascular Imaging



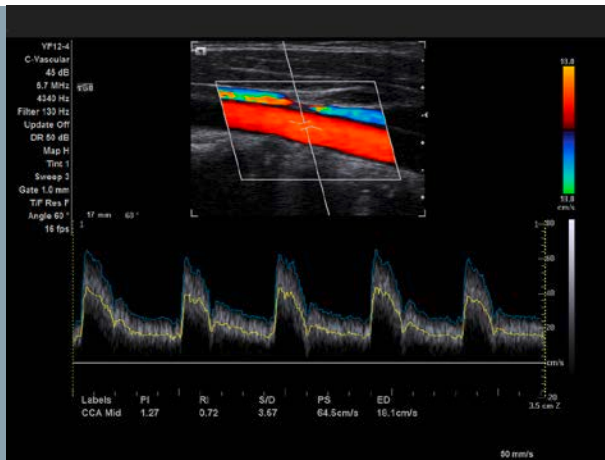
Excellent image quality, new design innovations and advanced technologies deliver outstanding performance for the vascular lab. The ACUSON X700™ ultrasound system leverages imaging and transducer technologies migrated from our premium platforms to provide exceptional detail and flow information for cerebral, peripheral, abdominal and transcranial vascular assessment.

Exceptional system reliability, future functionality, and upgradability protect customer investment.

*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."

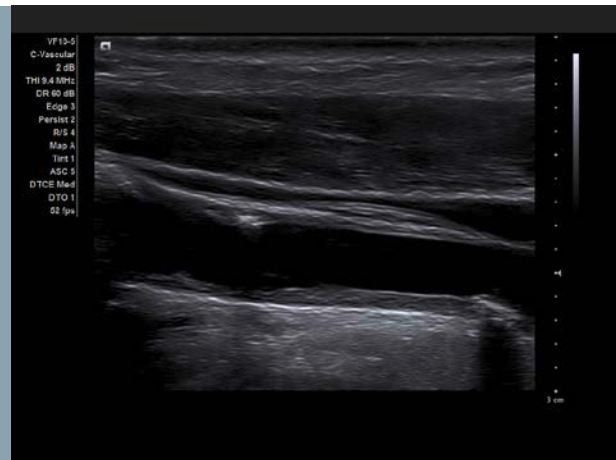
Highlights

- **Dynamic TCE™ Tissue Contrast Enhancement Technology:**
Enhances tissue contrast resolution through speckle reduction using a proprietary advanced processing algorithm.
- **TGO™ Tissue Grayscale Optimization Technology:**
Automatically adjusts image brightness to match tissue type and equalize overall image gain with quick, one-button image optimization.
- **Advanced SieClear™ Spatial Compounding:**
Enhances border definition and tissue differentiation using a combination of two compounding technologies.
- **Clarify™ Vascular Enhancement (VE) Technology:**
Reduces noise and artifact to provide exceptional contrast resolution and clear delineation of vessels.
- **DICOM Structured Reporting:**
Provides standardized report architecture for easy transfer of measurements to offline workstations and archiving systems.
- **syngo® Arterial Health Package (AHP)*:**
Allows the clinician to measure Carotid Intima-Media Thickness (CIMT), a reliable, non-invasive method for evaluating cardiovascular risk.
- **New VF12-4 Linear Transducer:**
Provides excellent near field resolution and penetration with a single-transducer solution for vascular imaging.



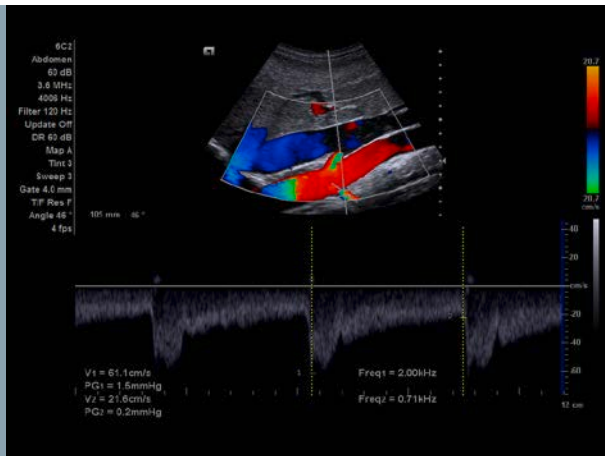
Auto-trace Doppler Measurements

- Easily and quickly provides velocity information in the carotid artery.



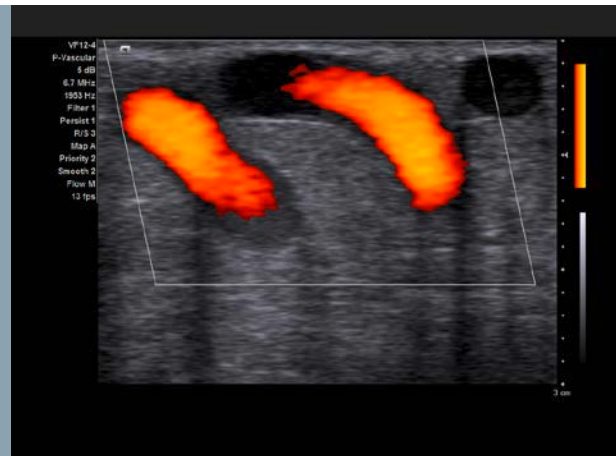
Dynamic TCE Tissue Contrast Enhancement Technology (DTCE)

- Demonstrates excellent contrast resolution and subtle tissue changes in the carotid intima.



AutoColor Flow State Optimization

- Automatically adjusts color Doppler parameters to optimize vascular flow assessment.



New VF12-4 Wide Field of View Transducer

- Demonstrates excellent color Doppler sensitivity in lower leg varicosities.

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

ACUSON X700, Advanced SieClear, Clarify, Dynamic TCE and TGO are trademarks of Siemens Medical Solutions USA, Inc. and syngo is a trademark of Siemens AG.

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