

Vascular Imaging



The ACUSON X300™ ultrasound system, premium edition is ideally suited to the diagnostic challenges of cerebral and peripheral vascular applications, as well as abdominal, and transcranial imaging.

It provides superior image quality along with many Siemens' advanced imaging capabilities in a compact, lightweight design adapted equally to bedside or portable use. DICOM structured reporting and the powerful DIMAQ-IP integrated ultrasound workstation streamline workflow. Lightweight transducers with MultiHertz™ multiple frequency imaging facilitate unparalleled scanning ease and comfort.

Highlights

SieClear™ multi-view spatial compounding:

Improves contrast resolution, speckle reduction and border detection through use of multiple lines of sight.

Clarify™ vascular enhancement (VE) technology:

Reduces noise and artifacts to provide exceptional contrast resolution and clear delineation of micro and macrovascular in organs and vessels.

Virtual format:

Increases anatomical information at the touch of a button with trapezoidal imaging format. 2D beam-steering improves the angle of insonation especially when access is challenging.

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 wall 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.

*syngo Arterial Health Package is not commercially available in the U.S.

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

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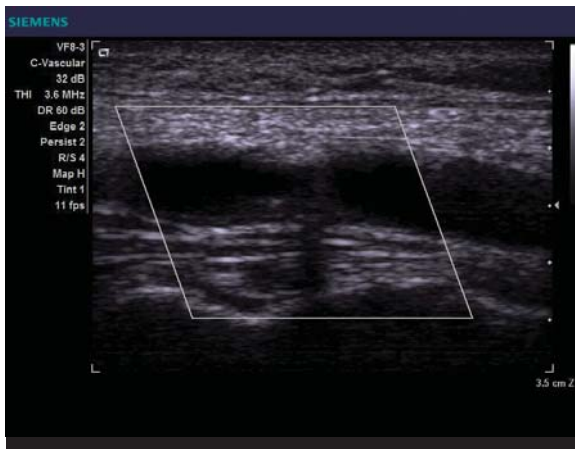
Doppler Sensitivity

- Color and pulsed wave Doppler displayed in a brachial artery graph.



SieScape Imaging

- Provides an extended field-of-view in 2D-mode in a brachial artery graft.



Clarify VE Technology

- Removes noise and artifacts to clearly accentuate the extent of disease in this carotid artery.



Virtual Format Imaging

- Provides trapezoidal imaging for increased field of view for visualizing the popliteal artery.

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

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