

## ACUSON S2000 Ultrasound System

When you need to know more.

### Vascular Imaging



The ACUSON S2000™ ultrasound system is a comprehensive imaging system engineered to meet today's most challenging vascular imaging cases. With stellar B-mode and Doppler imaging, the ACUSON S2000 system delivers unprecedented image quality together with workflow enhancing features.

\* 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

#### Image Quality:

##### ■ Real-time Imaging Technologies

Advanced SieClear™ spatial compounding technology, a real-time compounding technique, applies industry-leading 13 lines of sight to improve contrast resolution and border detection. Dynamic TCE™ tissue contrast enhancement technology is a powerful algorithm which provides advanced speckle reduction in combination with enhanced contrast resolution.

##### ■ HD Transducer Technology

The 18L6 HD transducer employs a high density element array to obtain more ultrasound data, delivering the highest detail resolution along with the color sensitivity to match. With the best imaging performance in its class, the large field of view and uniquely ergonomic palmar grip design make this probe an essential vascular imaging tool.

##### ■ Clarify™ Vascular Enhancement (VE) Technology

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

#### Workflow:

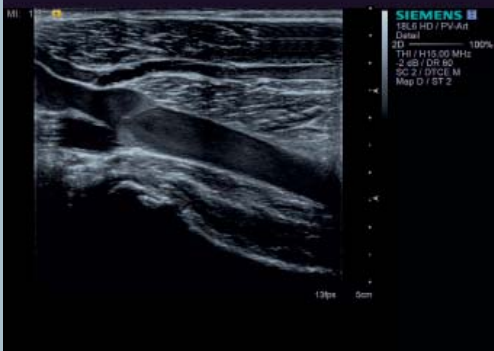
##### ■ syngo® Arterial Health Package (AHP)\*

Features a semi-automated application for measuring carotid intima-media wall thickness (CIMT) – a reliable, non-invasive method for quickly evaluating cardiovascular risk. Normative tables that have been validated and published in peer-reviewed studies can be referenced from syngo AHP.

##### ■ eSieScan™ Workflow Protocols

Completely customizable workflow protocols provide increased exam consistency and streamlined workflow by activating major modes such as color and spectral Doppler, as well as annotations and measurements.

Answers for life.



### Dynamic TCE Technology

Dynamic TCE technology and the 18L6 HD transducer provide excellent detail and contrast resolution as demonstrated in the leaflets and blood flow of this vein.



### Clarify Vascular Enhancement Technology

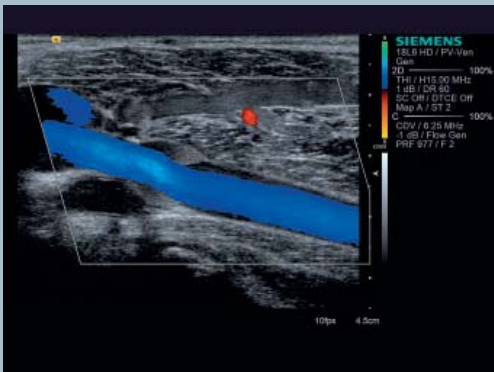
Stenotic carotid lumen is clearly delineated using Clarify VE technology.

*Courtesy of Dr. Dirk Andre Clevert, LMU-Grosshadern Campus, Munich.*



### syngo Arterial Health Package

Carotid intima-media wall thickness is measured using syngo AHP to quickly evaluate cardiovascular risk.



### Color Doppler Sensitivity

Excellent grayscale resolution with color Doppler clearly demonstrates flow through peripheral venous valves.

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

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