

ACUSON S2000 Ultrasound System

When you need to know more.

Breast Imaging



The ACUSON S2000™ ultrasound system provides superior image quality and proprietary advanced technologies to meet the unique needs of breast imaging. The system is compatible with the ACUSON S2000™ Automated Breast Volume Scanner (ABVS) – the first multi-use, automated ultrasound system that quickly and comfortably acquires full-field volumes of the breast.

Highlights

Tissue Strain Imaging:

- **eSie Touch™ Elasticity Imaging**
An innovative, real-time imaging technique that provides further insight into potential pathology by displaying the relative stiffness of tissue.
- **Virtual Touch™ Technology***
Siemens' second generation implementation of Acoustic Radiation Force Impulse (ARFI) technology provides a qualitative regional elastogram and an accurate quantification of tissue strain while minimizing user variability.

Image Quality:

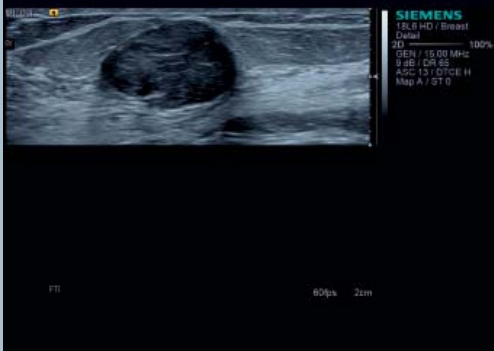
- **Real-time Imaging Technologies**
Advanced SieClear™ spatial compounding technology, a real-time compounding technique, applies industry-leading 13 lines of sight to improve contrast resolution and border detection.

* Not commercially available in the USA.

Dynamic TCE™ tissue contrast enhancement technology is a powerful algorithm which provides advanced speckle reduction in combination with enhanced contrast resolution.

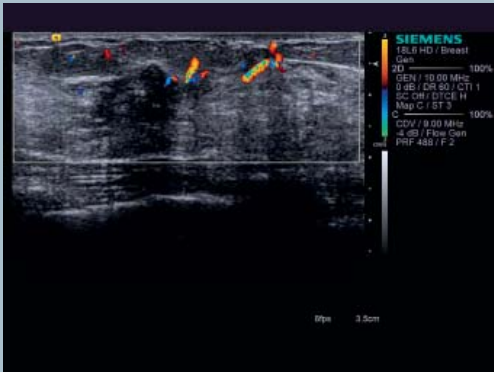
- **Custom Tissue Imaging**
Compensates for the different speed of sound in fatty breast tissue in real-time which enhances lateral and contrast resolution to provide exquisite 2D image quality.
- **HD Transducer Technology**
The 18L6 HD transducer employs a high density element array to obtain more 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 this probe is an essential breast imaging tool.

Answers for life.



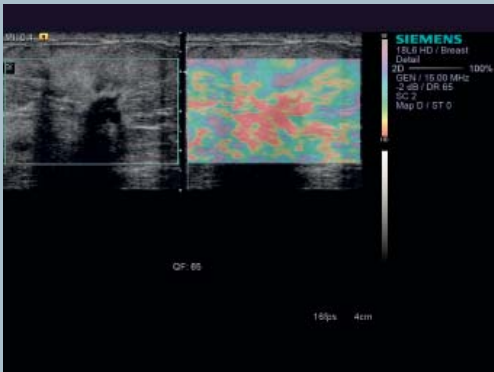
Advanced SieClear Spatial Compounding and Dynamic TCE Technology

Enhances contrast resolution within the breast tissue, allowing for improved border detection in this biopsy-proven fibroadenoma.



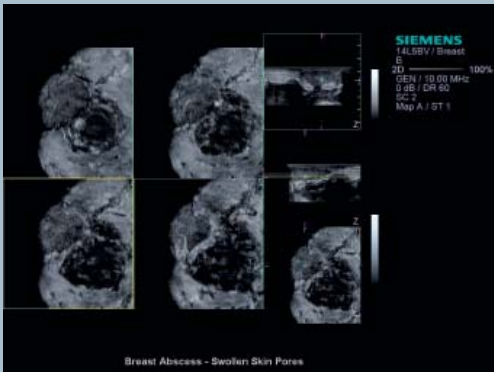
Color Doppler Imaging

On the 18L6 HD transducer, color Doppler imaging demonstrates subtle breast vasculature in this solid breast mass.



eSie Touch Elasticity Imaging

Side-by-side comparison of B-mode image and elastogram. The increased tissue stiffness of the breast lesion helps delineate its true size on the elastogram.



Automated Breast Volume

MultiSlice imaging of a complex breast abscess using the ACUSON S2000 ABVS.

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

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