

# Breast Imaging



The ACUSON S2000™ ultrasound system provides superior image quality by utilizing proprietary advanced technologies that increase exam efficiency and workflow to meet the unique needs of breast imaging. eSieScan™ workflow protocols save valuable time and reduce repetitive stress injuries by automating routine exam tasks to improve workflow in all clinical settings. 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.

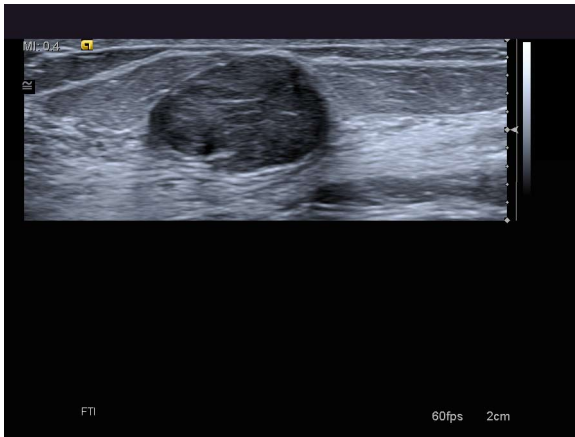
## Highlights

- eSie Touch™ elasticity imaging**  
 An innovative, real-time imaging technique that provides further insight into potential pathology of a lesion by displaying the relative stiffness of tissue. Multiple grayscale and color maps along with quantification tools facilitate analysis of lesion size.
- Fatty Tissue Imaging**  
 Siemens exclusive technology compensates for the speed of sound in breast tissue in real-time which enhances lateral and contrast resolution to provide exquisite 2D image quality.
- 3-Scape™ real-time 3D imaging**  
 Enables real-time capture and display of grayscale and power Doppler volumes using high resolution 2D. Offers industry leading 3D/4D acquisition and multi-planar visualization.
- Advanced SieClear™ spatial compounding technology with Dynamic TCE™ tissue contrast enhancement technology**  
 Applies industry-leading 13 lines of sight to improve contrast resolution and border detection. This real-time compounding technique is compatible with the Dynamic TCE algorithm to achieve speckle reduction and improved definition of anatomical structures.
- syngo eSieCalcs™ native tracing software**  
 Proprietary border detection technology facilitates lesion or anatomical structure boundary segmentation. Single button activation delivers unprecedented speed and reproducibility. Automatically calculates 2D area/volume or 3D volume measurement anywhere manual tracing is possible.
- SieScape™ panoramic imaging**  
 Provides extended field of view images acquired with real-time high-resolution grayscale or power Doppler imaging. Allows display and measurement of large structures, providing a global view for orientation.

**ACUSON S2000 ultrasound system**  
 Advanced imaging platform for superior breast imaging

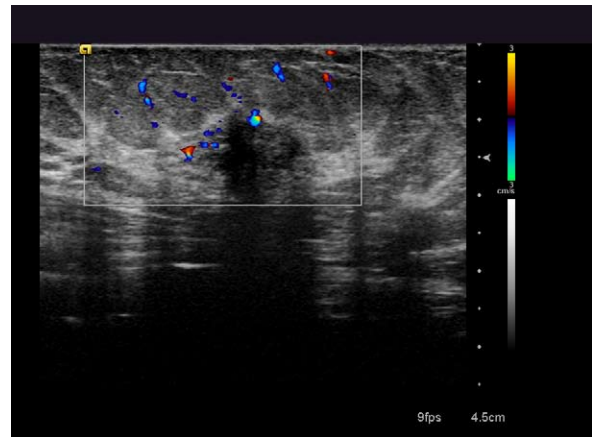
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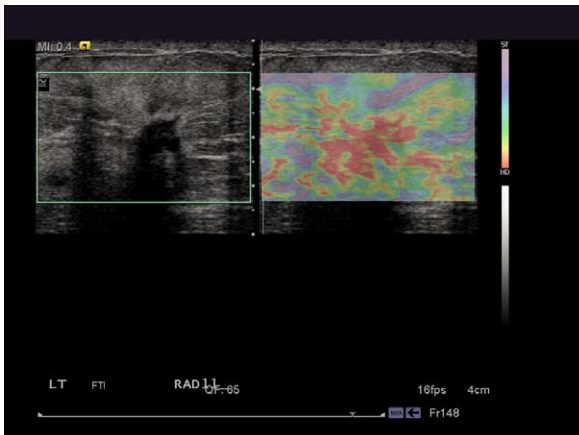
### Advanced SieClear spatial compounding and Dynamic TCE technology

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



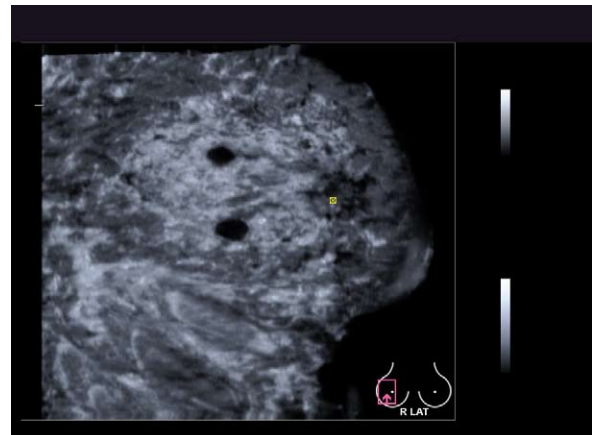
### Color Doppler imaging

- Demonstrates subtle breast vasculature in this solid breast mass.



### eSie Touch elasticity imaging

- Improves border delineation of this solid breast mass. Live dual imaging provides real-time comparison of standard 2D imaging to elastogram.



### Automated breast volume

- Multiple cysts are seen in this Coronal view of the breast from the lateral position. This view is not available with conventional hand held ultrasound.

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

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