

Small Parts Imaging



The ACUSON Antares™ ultrasound system utilizes Multi-D™ array transducer technology to provide unparalleled image quality in high-frequency imaging. Breast, thyroid, and superficial musculoskeletal imaging are easily accomplished using innovative technologies such as Advanced SieClear compounding. Workflow advancements such as TEQ technology increase clinical efficiency. The ErgoDynamic™ imaging system design improves operator comfort, making the ACUSON Antares system the solution for small parts imaging.

Highlights

Advanced SieClear™ spatial compounding:

This real-time compounding technique applies industry-first 13 lines of sight at greater steering angles to improve contrast resolution and border detection. Siemens' Dynamic TCE™ tissue contrast enhancement algorithm simultaneously achieves speckle reduction, contrast enhancement and improvement in coherence of anatomical structures. Tissue Stabilization reduces the artifacts seen in compounded images, yielding unprecedented image clarity.

Clarify™ vascular enhancement technology:

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

Virtual format imaging:

Provides 2D beam steering including wider field of view, trapezoidal image format for visualizing large superficial structures.

SieScape™ panoramic imaging:

Provides extended field of view images acquired with real-time high-resolution grayscale imaging. Allows display and measurement of large structures, providing a global view for orientation. Also available for Power Doppler imaging.

TEQ™ ultrasound technology:

Provides single-button optimization for 2D and spectral Doppler imaging. Instantaneously optimizes the image for consistent, reproducible image quality and reduced operator strain and fatigue.

eSie Touch™ elasticity imaging:

Real-time imaging method utilizes proprietary algorithms to calculate and display the relative stiffness of tissue. Multiple grayscale and color maps along with tools for quantification of lesion size facilitate analysis. A visual quality indicator as well as prospective and retrospective clip capture allow clinicians to select the highest quality elastogram.

ACUSON Antares ultrasound system

The preferred platform for today's high-frequency imaging challenges

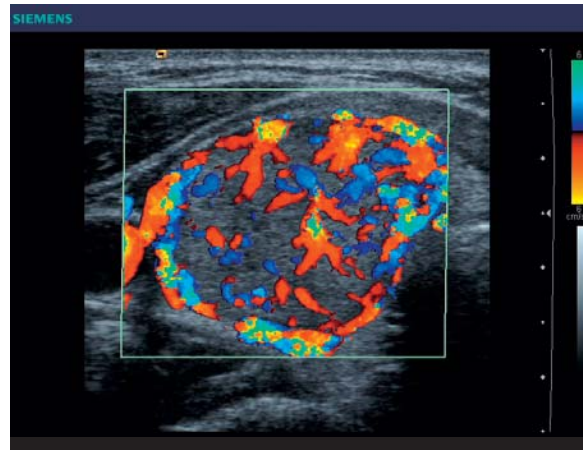
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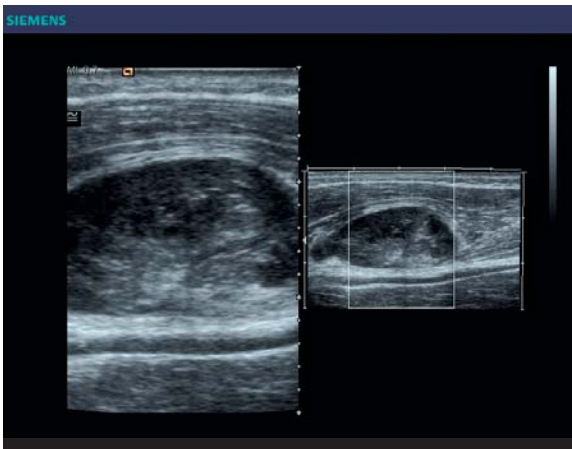
Advanced SieClear spatial compounding

- Demonstrates the subtle areas within this heterogeneous multinodular goiter by enhancing contrast resolution and border detection.



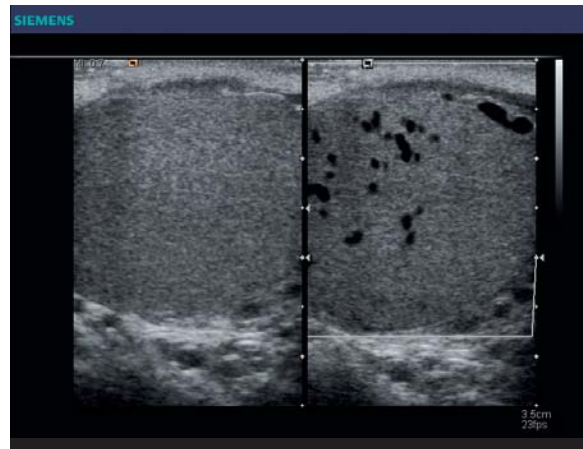
Color Doppler imaging

- Delivers excellent sensitivity, enhancing the vascularity of this thyroid adenoma.



SieScape panoramic imaging

- Provides an extended field of view with cine review useful in the evaluation of the entire length of this atypical melanoma.



Clarify vascular enhancement technology

- Enhances contrast resolution and provides delineation of vascular structures seen within this testicle.

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

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