

# 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

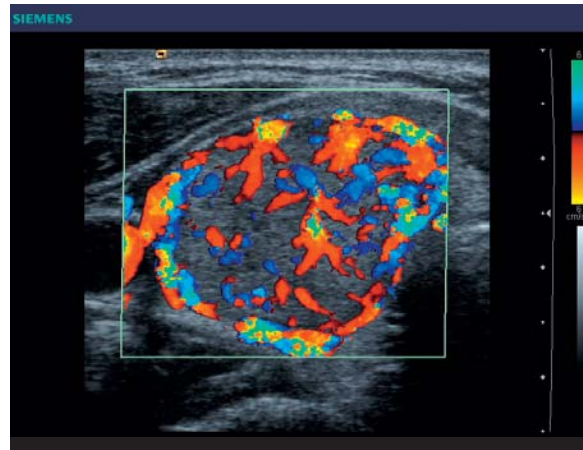
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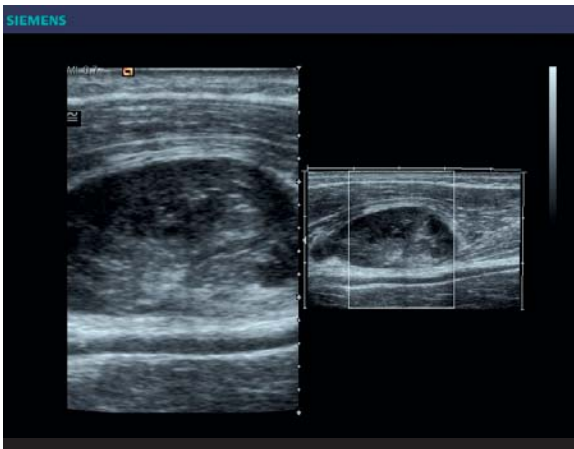
**Advanced SieClear spatial compounding**

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



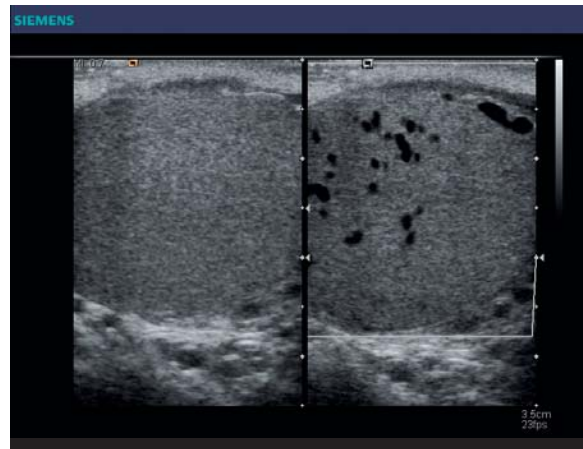
**Color Doppler imaging**

- 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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