

# Abdominal Imaging



The ACUSON Antares™ ultrasound system is ideally suited for abdominal imaging. Unique features such as Hanafy lens transducers and Clarify VE technology provide superior image quality on even the most technically difficult-to-image patients. TEQ technology improves image quality while enhancing clinical workflow. With its compact architecture and advanced ErgoDynamic™ imaging system design, the ACUSON Antares system is the ideal clinical solution for today's abdominal imaging challenges.

## Highlights

### Proven technically difficult-to-image patient performance:

- 30 cm display depth
- Extend imaging technology
- Tissue Harmonic Imaging
- Hanafy Lens transducer technology

### 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 (VE) technology:

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

### Cadence™ contrast pulse sequencing technology:

Enhances sensitivity and specificity to contrast-agent signals for excellent lesion detection and characterization.

### TEQ™ ultrasound technology:

Provides single-button optimization for 2D and spectral Doppler imaging, optimizing images for consistent reproducible image quality and reduced operator strain.

### Extend imaging technology:

Improves penetration at depth in 2D, Color and PW Doppler to enhance image quality in technically difficult-to-image patients.

\*At the time of publication, the US Food and Drug Administration cleared ultrasound contrast agents only for use in LVO. Check the current regulation for the country in which you are using the system for contrast agent clearance.

## ACUSON Antares ultrasound system

The ideal platform for today's abdominal imaging challenges

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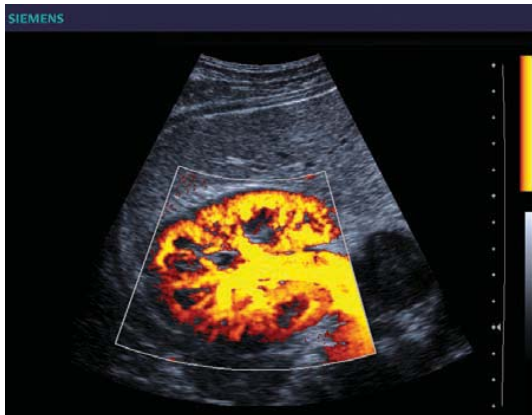
**Advanced SieClear spatial compounding with Dynamic TCE technology**

- Provides excellent speckle reduction, contrast enhancement and improved coherence of anatomical structures as seen in this image of a liver and kidney.



**Clarify vascular enhancement technology**

- Removes noise and artifacts to clearly demonstrate the aorta with renal arteries and inferior vena cava.



**Power Doppler imaging**

- Demonstrates excellent sensitivity and spatial resolution as seen in this image of normal renal vasculature.



**Cadence contrast pulse sequencing technology\***

- Delivers unparalleled sensitivity and specificity to contrast imaging agents as demonstrated in this hemangioma of the liver.

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

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