ACUSON Sequoia Ultrasound System

Clarify with Confidence

Crown Edition

SIEMENS Healthineers

An Ultra-Premium Ultrasound system to archive best quality ultrasound images for General, MSK, Vascular and Obstetrics patients.

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ACUSON Sequoia Crown Edition

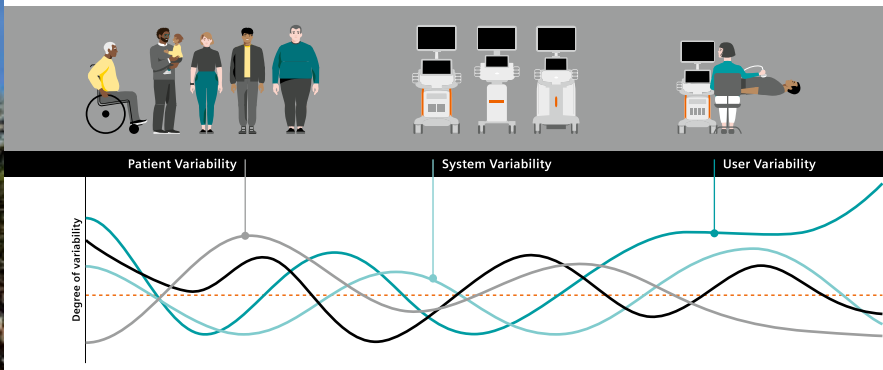
Delivering clinical excellence across ultrasound specialties

The new ACUSON Sequoia Crown Edition represents continuing to reach for the highest clinical excellence across ultrasound specialties for users and their patients.

Like the crown of a tree, the ACUSON Sequoia Crown Edition branches and expands to encompass a fully featured Ultra-Premium ultrasound system, including innovative imaging, exclusive technologies, and specialty transducers designed to improve diagnostic accuracy in nearly every clinical use case.

ACUSON Sequoia Crown Edition provides healthcare providers with advanced technologies and applications that intelligently respond to patient- and user-specific needs. Tailoring diagnosis and therapies to each patient's profile helps to improve clinical, operational and financial outcomes.

Ultrasound's potential has been limited by unwarranted variability



Ultrasound users are faced with a patient population that is increasingly harder to scan.

Ultrasound devices are complex products. Differences in technology can inhibit the user's ability to generate accurate and reproducible measurements during an exam.

Studies have demonstrated that significant intra- and inter-observer variability can pose a challenge to the standardization of care delivery.

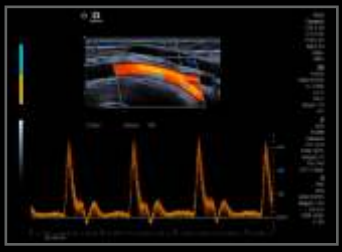
InFocus Imaging
Fully-focused imaging of the liver and IVC utilizing InFocus Technology that delivers image uniformity throughout the field of view.

AutoCalcs
Delivers comprehensive measurements of complex lesions. Uses machine learning algorithm that instantly calculates length, AP and circumference improving measurement efficiency and variability.

High Frequency Linear Transducer
Utilizing the high frequency 15L4 transducer, structures can be visualized in greater detail resolution as shown in this image of the supraspinatus tendon.

AutoFlash Color Suppression Technology
Reduce color flash artifacts without user interaction for improved color sensitivity and performance, even when a patient is actively breathing.

Slow Flow Color Doppler
Using smart filters and adaptive signal enhancement, slow flow can image smaller, low-flow vessels further into tissue like this kidney with reduced flash artifact.



Auto Doppler and Spectral
Auto Doppler can reduce the number of exam keystrokes >25%.[5] Auto Spectral optimizes Doppler automatically optimizes for gain, baseline, scale, and wall filter keeping operator adjustments to a minimum.

Speed of Sound Adjustment
Adjusting the speed of sound improves contrast and detail resolution, which allows for the most accurate representation of different types of tissues, as shown in this image of a breast.

High Frequency Curved Transducer
The new 9C2 high frequency curved single crystal transducer provides superior contrast resolution in obstetric imaging.

Volume Imaging
3D/4D imaging allows you to visualize anatomy in new dimensions for improved confidence as demonstrated in this coronal view of an IUD.

Single Crystal Technology
See highly detailed resolution like never before with the 11M3 micro-convex transducer as shown in this midline image of a neonatal head.

Modality Compare
Easily pinpoint regions of interest and improve procedural efficiency by importing and viewing previous patient studies alongside real-time ultrasound images.

Cardiac Imaging
An apical four chamber view with the 8V3 pediatric cardiac transducer offers exceptional tissue definition, valvular detail and blood flow visualization.

Expanded Insights

Advanced tools and applications to improve diagnostic accuracy

Improve diagnostic accuracy and confidence

The ACUSON Sequoia ultrasound system was built from the ground up with dedicated hardware for exceptional performance in applications such as contrast enhanced ultrasound (CEUS) and elastography, and is setting a new benchmark in the quantification of liver fat with Ultrasound Derived Fat Fraction (UDFF).

With its industry leading performance, the ACUSON Sequoia ultrasound system enables healthcare professionals to access the clinical information needed for personalized precision medicine.

The ACUSON Sequoia is addressing clinical use cases leveraging the comprehensive advanced applications toolbox offered by the ACUSON Sequoia ultrasound system – from quantification and characterization of tissue to interventional procedures.

Ultrasound Derived Fat Fraction (UDFF) for the noninvasive assessment of hepatic steatosis.

Next gen breast 2D-SWE to characterize breast lesions as benign or malignant.

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