LOGIQ E10

Empowering You to Make the Difference

Enabling 2D Shear Wave Elastography

QUANTITATIVE TISSUE DIFFERENTIATION TO ENABLE CONFIDENT DECISIONS

Clinical challenge

Measuring tissue elasticity is helpful in diagnosing and monitoring treatment of patients with chronic liver disease and other conditions. The more reproducible the data, the greater the advantage in decision-making.

GE solution

Designed to facilitate accurate diagnosis, two-dimensional shear wave elastography quantifies tissue elasticity and provides color-coded elastograms. Central to the new system is the cSound™ Architecture that combines versatile XDclear™ probes and the new cSound Imageformer to deliver exceptional image quality. This advanced tool helps reduce the need for invasive procedures and empowers clinicians to be more confident in their patient management decisions.
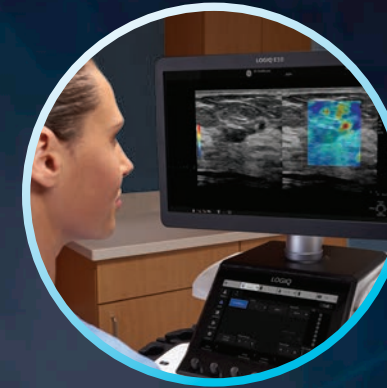
cSound

Comprehensive tools

Two-dimensional shear wave elastography enables quantitative assessment of tissue elasticity to assist in a growing range of applications including:

Chronic liver disease   **Breast**   **Small parts**

Confident diagnosis

The extraordinary image quality of the LOGIQ™ E10 enables clinicians to diagnose and monitor a diverse spectrum of conditions.

Auto-optimized images: The cSound Imageformer automatically and continuously delivers images of high quality across a wide range of clinical scenarios. Extraordinary images are quickly obtained resulting in efficient studies, particularly important in challenging cases.

Excellent frame rates: Rapid image acquisition enables a large region of tissue to be interrogated in with each transmission, reducing exam times and preventing image degradation.

Choice of high-performance probes: E-Series and XDclear probes deliver powerful, high fidelity and wide bandwidth for impressive deep penetration and high resolution, including the C1-6-D/C1-6VN-D and L2-9-D/L2-9VN-D.

Liver Shear Wave Elastography, C1-6-D
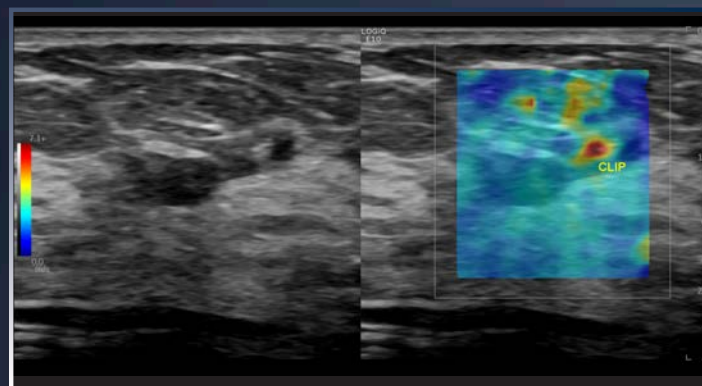
Breast Shear Wave Elastography Mass with Clip, L2-9-D

Liver Shear Wave Elastography, C1-6-D

❯ Concise workflow

The LOGIQ E10 enables shear wave elastography to be performed rapidly at the same time as an abdominal ultrasound exam. The extraordinary reproducibility helps speed exams and reduce operator dependence.

Auto sequencing: Automatic placement of measurement ROI helps reduce keystrokes.

Multiple measurement regions of interest in the shear wave image: Helps increase exam speed by reducing the number of acquisitions needed for a comprehensive exam.

Auto Measurement Acquisition: Automated single- and multiple-acquisition workflow enhances efficiency and accuracy of exam acquisition and results display, supporting productivity in busy labs.

Flexible display options: User-programmable display of quantitative assessment of tissue stiffness in kilopascals (kPa), velocity (m/s), or both kPa and m/s with a choice of display formats.

Ability to change the size and the depth of the region of interest (ROI).

Raw Data: Expanded dual-screen capabilities enable users to apply a wide variety of image processing and quantification after the exam. This allows the operator to extract and reanalyze information without extending exam time.

Tissue characterization becomes even more efficient when 2D shear wave elastography is used in conjunction with such workflow enhancement tools as:

- *Compare Assistant:* Easily retrieve prior exams for side-by-side comparisons that assist in exam set-up and support confident diagnosis
- *Scan Assistant:* Automates repetitive tasks measurements and helps standardize scanning protocols
- *Volume Navigation:* Fuses prior PET, MR, CBCT, CT or 3D ultrasound exams with real-time ultrasound scanning to help correlate and evaluate information simultaneously

Imagination at work