LOGIQ E10 Series

EMPOWERING YOU TO MAKE THE DIFFERENCE

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. This advanced tool – now available on multiple probes – helps reduce the need for invasive procedures and empowers clinicians to be more confident in their patient management decisions.

gehealthcare.com

Confident diagnosis

The extraordinary image quality of the LOGIQ™ E10 Series 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.

Liver fibrosis staging – reference materials: Gain insights into liver fibrosis staging with a white paper and a reference chart.

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.
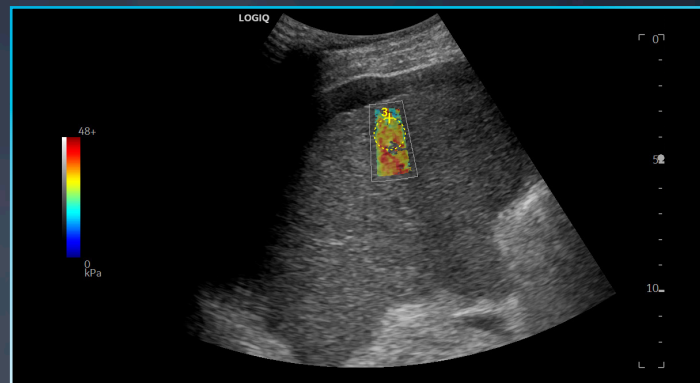
Multiple elastography-enabled probes: 2D shear wave elastography capabilities are now available on multiple probes across key clinical specialties including liver, breast, musculoskeletal, vascular, prostate, and gynecology.

Shear Wave Elastography Quality Indicator: Designed to increase clinicians' confidence in the quality of the shear waves and, thus, the accuracy of the measurement.
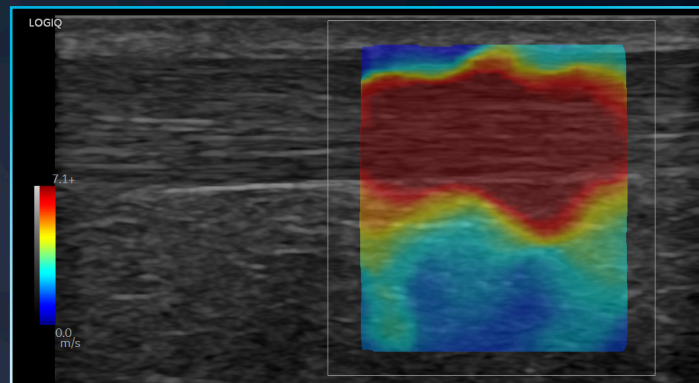
cSound

Comprehensive tools

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

Concise workflow

The LOGIQ E10 Series enables 2D 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.

Customizable worksheets: Optimize reading efficiency by tailoring worksheets to specific anatomical areas.

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

Multiple measurements: Measure multiple regions to access different tissue stiffness within an organ or region.

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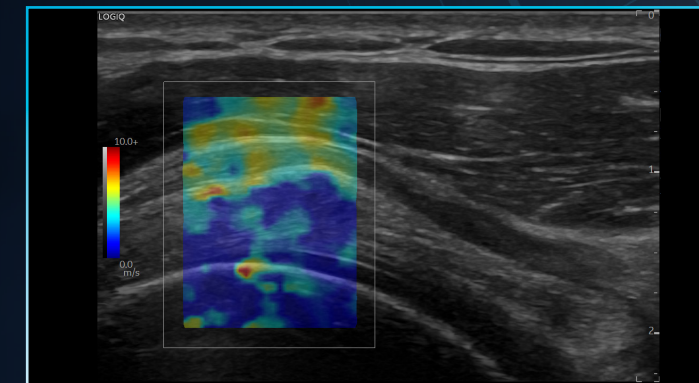
Raw Data: Expanded dual-screen capabilities enable users to apply a wide variety of image processing and quantification after the exam. This allows the operator to extract and reanalyze information without extending exam time.

Tissue characterization becomes even more efficient when 2D shear wave elastography is used in conjunction with such workflow enhancement tools as:
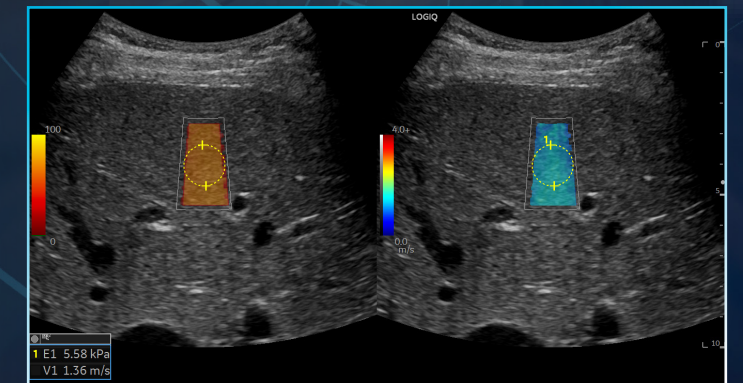
Compare Assistant: Easily retrieve prior exams for side-by-side comparisons that assist in exam set-up and support confident diagnosis

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

Liver 2D Shear Wave Elastography, C1-6-D

Achilles tendone 2D shear wave elastography, L8-18i-D

Shoulder 2D Shear Wave Elastography, ML6-15-D

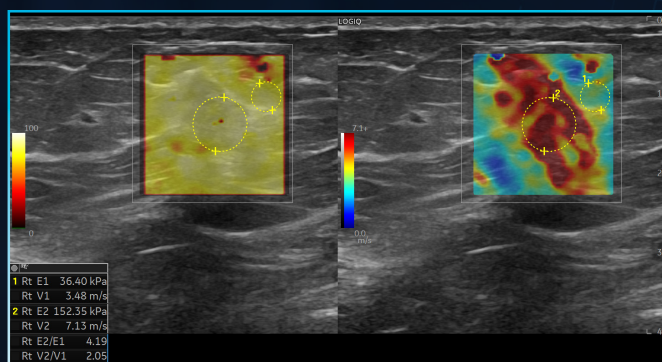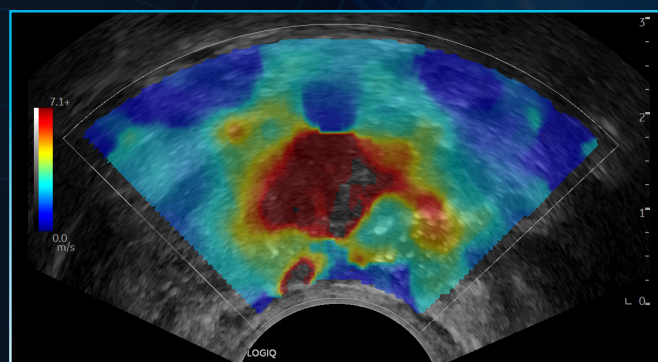Liver 2D Shear Wave Elastography Quality Indicator, C1-6-D

Smart investment

GE Healthcare accelerates innovation with the LOGIQ E10 Series. The systems are available with a full suite of robust features and scalable options. You can take pride in knowing you selected a smart solution that prepares your practice for the future of ultrasound, while also helping you make a real difference for your patients, practice and institution today.

Digital support: Wide choice of efficiency tools to help users, administrators, and operations staff improve productivity, including remote preset management, performance analytics, software/security updates, live clinical training, and advanced system diagnostics.

Breast 2D Shear Wave Elastography Quality Indicator and measurement, ML6-15-D

Prostate 2D shear wave elastography, IC5-9-D

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