



GE HealthCare

# LOGIQ Fortis™

Ultrasound, the next level for liver



Detect and stratify liver disease early to optimize care

## Clinical challenge

Ultrasound imaging of patients with liver disease can be challenging, given the wide variety of body types, many with high BMI. Clinicians need advanced tools to image hard-to-scan patients so they can detect and stratify liver disease as early as possible to apply the optimal treatment and reduce invasive procedures.

## GE HealthCare solution

LOGIQ Fortis helps you provide confident care for the growing number of patients with liver disease. Powerfully streamlined, the system easily goes where you need it. Specialty imaging and AI-based decision support tools enhance your ability for early diagnosis and staging, disease stratification, and monitoring of treatment response.

## Exceeding your clinical expectations

With LOGIQ Fortis, you have powerful tools to acquire extraordinary images across a broad spectrum of patients with liver disease. The system's advanced imaging technology delivers superb penetration power even in high-BMI patients.

**cSound™ Imageformer with Advanced Speckle Reduction Imaging (SRI):** Delivers outstanding image uniformity with high spatial and contrast image resolution, from liver capsule to depth. Assists in early detection of small tissue changes, such as in the liver parenchyma.

**Continuous Automated Tissue Optimization (CATO):** Enhances overall contrast in B-Mode images continuously as you move the probe. No need to adjust contrast manually.

**High-performance probes:** XDclear™ probes deliver powerful high fidelity and wide bandwidth for deep penetration and high resolution in any body type. Dedicated Verza™ Needle guidance is available to enhance biopsy accuracy.

**Flow modes:** Comprehensive package of flow modes includes Microvascular Imaging (MVI), which enhances confidence in evaluating small abdominal lesions and lymph nodes. When combined with Radiantflow™, MVI provides a near 3D-look for detailed visualization of the hepatic vascular tree or lesions in the vascular structure.

**Ultrasound-Guided Attenuation Parameter (UGAP):** Enables non-invasive assessment of liver steatosis to aid in early identification and monitoring of patients with MASLD, NASH or ASH. Quick, consistent and reliable, with cut-off values available compared to MRI PDFF.

**2D Shear Wave Elastography (SWE):** Enables quantitative assessment of tissue elasticity to assist in the early assessment of chronic liver disease for fibrosis staging.

**B-Flow imaging:** Proprietary non-Doppler technique that enables real-time visualization of blood flow echoes without vessel wall overlap – complementing standard Doppler techniques in assessing cases of suspected vascular liver disease and providing follow-up.

**Contrast-Enhanced Imaging (CEUS):** Comprehensive package of contrast abdominal settings enhances lesion detection and characterization, from near field to depth, and adds reliable information on lesion behavior, such as contrast uptake times.

**Volume Navigation (V Nav):** Fusion Imaging merges real-time ultrasound with a volume DICOM® dataset (CT, MR, PET/CT, CBCT, SPECT, and 3D CEUS) to facilitate second-look examinations and biopsy guidance. 2D/3D GPS Tracking enables the user to track position with GPS-like precision and mark selected points of interest to save time and enhance confidence.

**Compare Assistant:** Enables easy and accurate comparison of the current exam with prior studies for patient follow-up and surveillance of cancer-positive patients as well as treatment monitoring.

## Optimizing your productivity

The mobile and powerful LOGIQ Fortis helps clinicians free up time for challenging cases. Intuitive to operate and easy to clean, the system enables users of all skill levels to work proficiently and manage high patient volumes.

**Auto-registration for Fusion Imaging:** The Active Tracker enables one-click auto-registration of CT, MR, CBCT, and 3D CEUS images to enhance accuracy and ease in managing patient motion, breathing, and transmitter movements.

**AI-based assistant tools:** LOGIQ Fortis uses artificial intelligence (AI) to provide next-level assistance with productivity and decision support tools, helping clinicians improve outcomes, ensure consistency, and increase efficiency.

- **Auto Abdominal Color Assistant:** Detects which abdominal organ is being scanned and automatically switches to the optimal color flow parameters, such as gain and scale, for that organ. Can be tailored by the user.
- **Auto Doppler Assistant:** Analyzes an image to determine the location and direction of vessels and then automatically adjusts the color box and angle—enabling users to complete that step 20% faster and with 50% fewer keystrokes.
- **Auto Lesion Segmentation:** This AI-based productivity tool automatically traces lesion boundaries and generates two-dimensional measurements with just a few keystrokes.
- **Auto-Renal Measure Assistant:** Automatically detects the kidney and measures the length, height, and width.

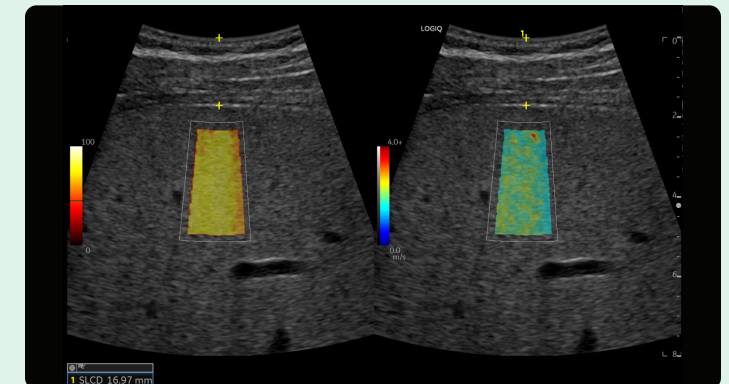
**Hepatic Assistant:** Combines 2D Shear Wave Elastography and UGAP in a single exam with the push of a button, enabling seamless workflow for managing patients with suspected chronic liver disease.

**Scan Assistant:** Customizable protocol automation assists users during the liver exam, helping to reduce keystrokes and exam times while increasing exam standardization.

**Raw Data:** This proprietary data format allows users to apply extensive image processing and quantification after the exam. This can enhance diagnostic confidence while contributing to a smoother workflow, especially with difficult patients.



Radiantflow of the portal vein, C1-6-D



2D Shear Wave Elastography Quality Indicator with measurement, C1-6-D

## Maximizing your investment

LOGIQ Fortis helps you get a high return on your ultrasound investment, with a growth-oriented digital platform, deep clinical support resources, and advanced cybersecurity protection.

**Fully featured and scalable options:** Choose from a full suite of robust, standard features and options to configure the optimal system to meet your clinical needs.

**SonoDefense:** GE HealthCare's multi-layer approach to cybersecurity will help keep your systems safe and functional in the face of cyber threats and protect patient data from unauthorized access.

**Lifecycle support:** Your system is backed by digital operational support that enhances return on investment (ROI), including performance analytics, software/security updates, live clinical training, and advanced system diagnostics.

## Verisound™ digital and AI ultrasound solutions

You're focused on patients, and we're fully focused on you. LOGIQ™ with Verisound digital and AI ultrasound solutions applies decades of ultrasound experience to minimize chaos, eliminate the mundane, and improve your day-to-day – because an efficient workflow means more focused time on patient care.



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