LOGIQ E9 XDclear 2.0
Volume Navigation Imaging
See your way clear for fast needle-guided procedures

Clinical Challenge
In biopsy procedures, navigating to the Region of Interest (ROI) quickly and accurately can be challenging, particularly with abdominal lesions. While MR, CT, CBCT, and PET images provide excellent visualization, they lack real-time image data on needle position to guide the operator to the correct location.

GE Solution
The LOGIQ™ E9 XDclear™ 2.0 system offers sophisticated Volume Navigation tools that combine the advantages of volume imaging with an advanced navigation system to enhance localization speed and accuracy.

With Volume Navigation, you can:
- **Merge real-time ultrasound** with previously acquired CBCT, CT, MR, PET or 3D ultrasound images to directly compare anatomy either side-by-side or by overlaying the images
- **Guide a needle tip** with enhanced confidence using needle tracking technology
- **Visually track position** during a scan using GPS-like technology, and mark lesions to designate points of interest
- **Utilize Volume Ultrasound** to interrogate images in any plane and view anatomy in different ways
- **CT and MR Active Trackers** – One-click auto-registration enhances accuracy and ease in managing patient motion, breathing and transmitter movements
Extraordinary Imaging

Volume Navigation is supported by superb imaging capabilities migrated from GE's flagship LOGIQ E9 system including:

Selection of high-performance probes – The system offers both E-Series and XDclear probes, which are GE's highest performing probes. Advancements in acoustic engineering help increase penetration and deliver high definition resolution.

Agile Acoustic Architecture – Dynamically optimizes image acquisition for virtually every body type.

Innovative B-Flow™ imaging – This non-Doppler technique enables direct, real-time visualization of blood flow echoes with no vessel wall overwrite to obscure details.

Easy Workflow

The workflow efficiency of the LOGIQ E9 XDclear 2.0 system supports speed and accuracy in needle-guided procedures with:

Scan Assistant – Provides basic and advanced protocols that help minimize keyboard touches and enhance exam standardization.

Highly intuitive user interface – Easy-to-reach controls, adjustable floating keyboard, and articulating monitor help speed procedures.

Volume sweeps – Enable a virtual rescan of raw data in any plane at any time.

Expert Tools

The system offers advanced tools to assist in treatment planning, monitoring, and follow-up:

Shear Wave Elastography – Enables non-invasive, quantitative assessment of tissue stiffness to provide clinicians with an advanced level of diagnostic information to support patient management decisions.

Strain Elastography – Can add valuable information to the ultrasound examination by measuring the elasticity of tissue to help clinicians differentiate benign from malignant lesions.

B-Steer+ – Needle visualization to help improve the speed and accuracy of image guided procedures.

Core abdominal probes – Offer fully integrated Volume Navigation sensors built-in to reduce the challenges of working around external sensors.

Imagination at work

www.gehealthcare.com. Product may not be available in all countries and regions. Contact a GE Healthcare Representative for more information.

Data subject to change

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