



LOGIQ™ V2 Ultrasound

Part of LOGIQ Vision Series

Imagination at work

LOGIQ is a trademark of General Electric Company.

The brilliance of color. The simplicity of GE.

Now you can add the advanced capabilities of color Doppler to patient care with the compact LOGIQ V2 ultrasound system.

Exceptional images and easy to use color

A system as versatile as your practice

Enhanced exam efficiency

Real-time scanning support

Reliability that drives productivity



Exceptional images and
easy to use color





Exceptional images and easy to use color

The compact LOGIQ™ V2 includes many advanced technologies from decades of GE experience to deliver exceptional images for you:

- Coded Phase Inversion Harmonic Imaging
- CrossXBeam™ Spatial Compounding
- Speckle Reduction Imaging (SRI)
- Raw Data Imaging TruScan

Additional features:

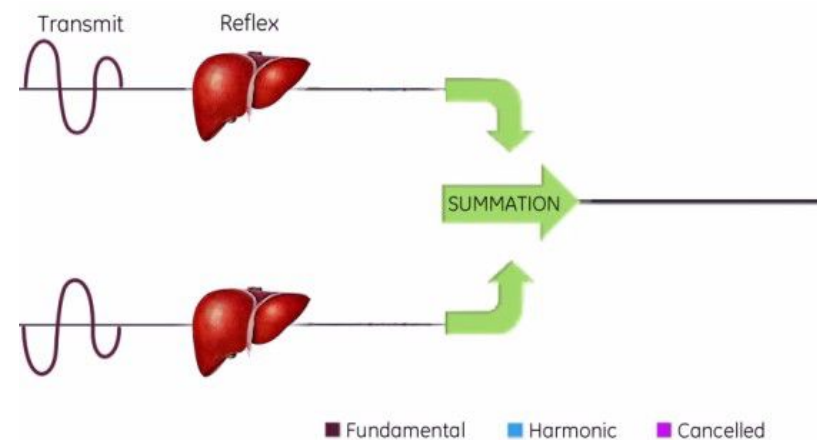
- LOGIQ View
- Virtual Convex
- B-Steer
- Easy 3D Technology
- TVI with Q-Analysis
- Anatomical M-Mode



Coded Phase Inversion Harmonic Imaging

High resolution even at deep penetration

- Helps increase Signal-Noise Ratio (SNR)
- Helps improve signal penetration
- Helps maintain high axial resolution at a greater depth without increasing the peak transmitted power

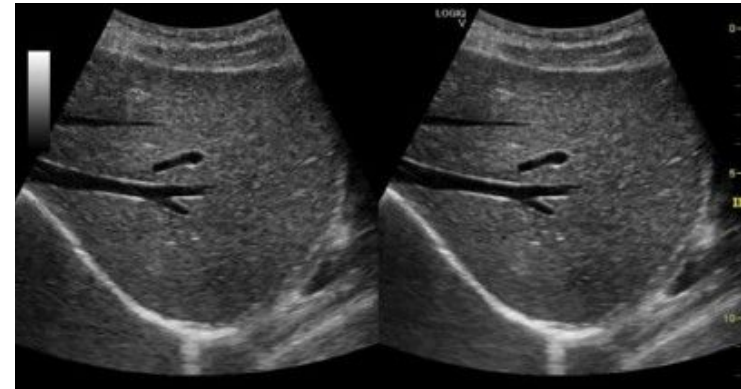


Coded Phase Inversion Harmonic Imaging helps improve the image quality and the amount of information obtained during the examination

CrossXBeam™ Spatial Compounding

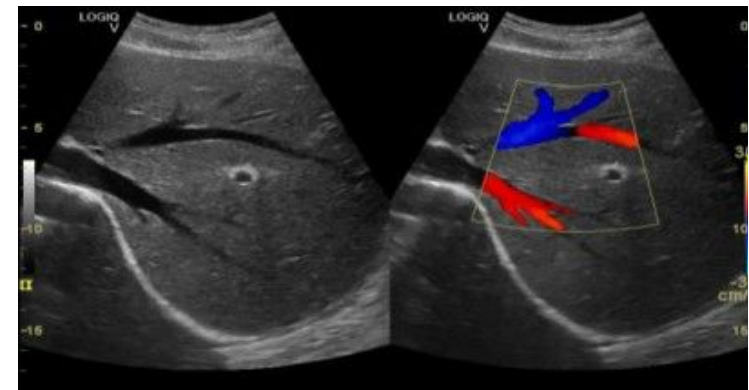
Improved border detection

- Enhances visualization of tissue interfaces and border differentiation
- Improves image quality with reduced speckles, sharpened edges and enhanced biopsy needle visualization¹



Fundamental

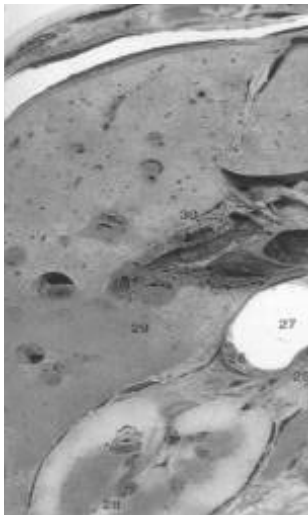
With CrossXBeam



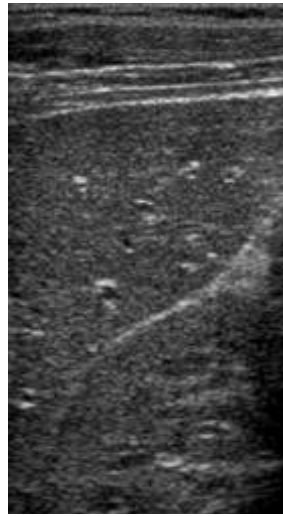
Real Time Speckle Reduction Imaging (SRI-HD)

Enhancing tissue detail

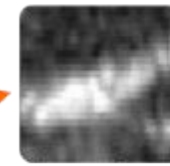
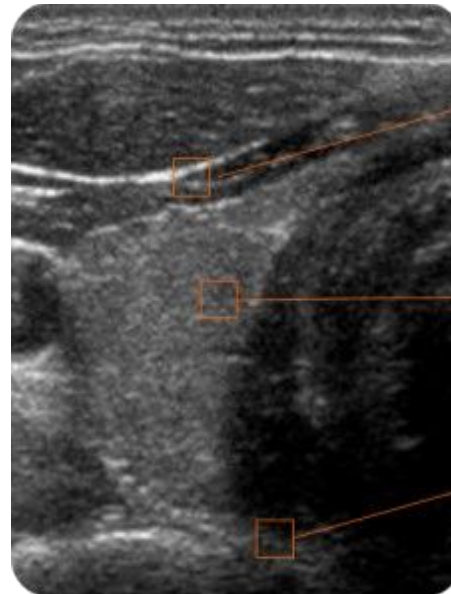
Reduces noise while enhancing true tissue detail to help improve diagnostic confidence, especially when imaging smaller regions of interest, such as a cyst or a suspicious lesion.



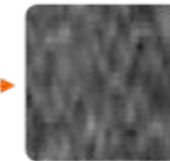
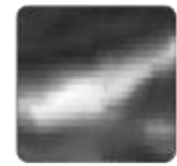
Optical image of liver



Ultrasound image of liver



A



B



- A Inter-tissue cross over is not smoothed
- B Intra-tissue speckles are smoothed



Raw Data Imaging TruScan

Optimize images/cines after acquisition

- Raw ultrasound data is digitally acquired and stored, preserving its original information
- Readjust and re-measure many exam parameters and controls after the exam – today or years from now – on stored raw data with original image quality
- Add clinical information after the exam is finalized



LOGIQ is a trademark of General Electric Company.
The workstation is not provided with LOGIQ V2, it is provided as a separate product.

A system as versatile as
your practice





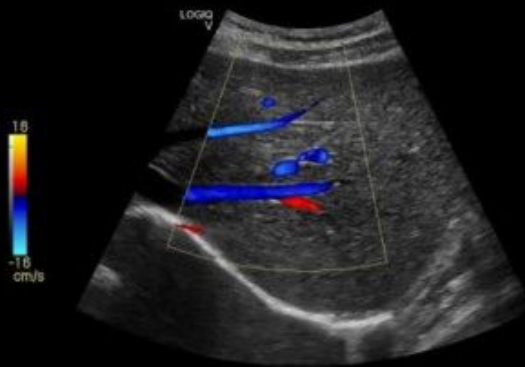
A system as versatile as your practice

The flexible LOGIQ V2 is tailor-made for general practices, covering a wide range of exams, including:

- Abdominal
- Obstetrics and gynecology
- Small parts
- Vascular
- Cardiac
- Pediatric
- Transcranial



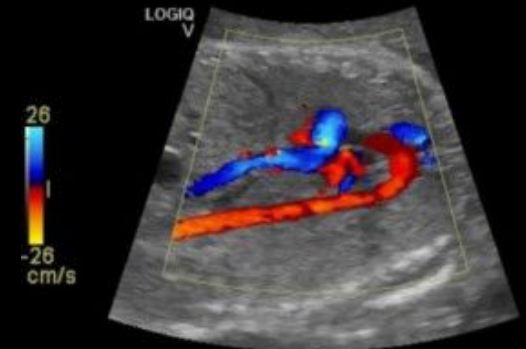
Clinical images gallery



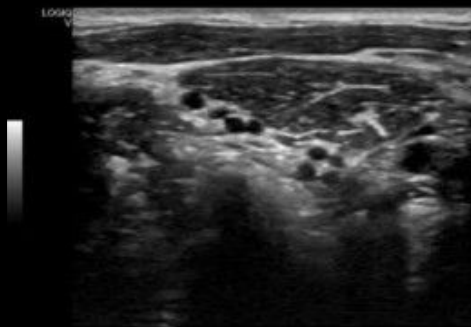
Color Mode – hepatic vein



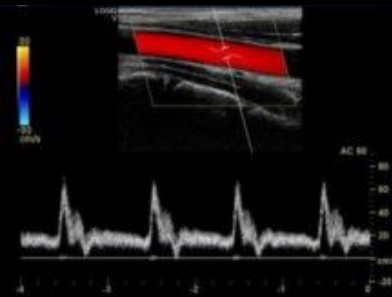
PDI Mode – Kidney vessel



Color Mode – Fetus arch of aorta



B Mode – Brachial plexus



Pulse wave Doppler – Carotid



Adult Cardiac – Four Chamber View

Enhanced exam efficiency





Workflow efficiency with just a touch

Simplicity is yours with the LOGIQ V2. You get fast, accurate information with just a few keystrokes.

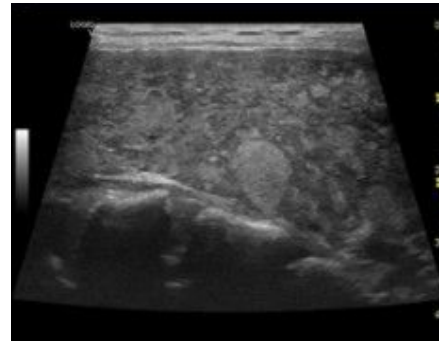
- Auto Optimization
- Auto IMT
- SonoBiometry
- Scan Assistant



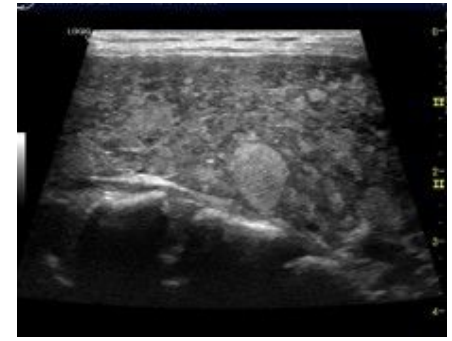
Auto Optimization

Optimize images at the touch of a button

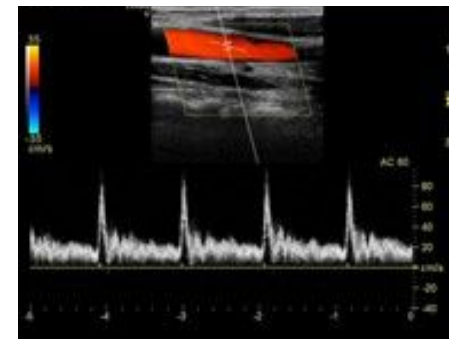
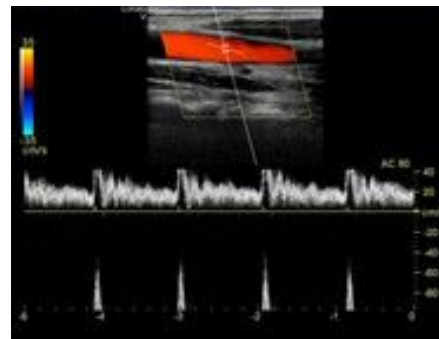
- Auto Tissue Optimization (ATO) optimizes B-Mode image to help improve contrast resolution
- Auto Spectral Optimization (ASO) helps baseline, invert, optimize velocity scale (on live image) and angle correction



Before



After



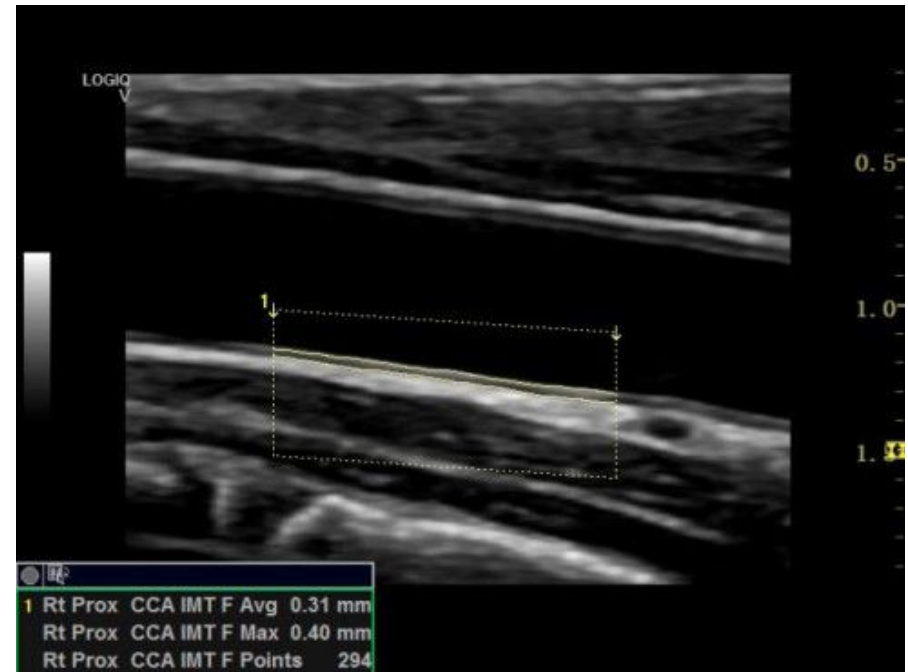
Saves time and effort by optimizing images at the touch of a button



Auto IMT

Fast carotid exams

- Analyze carotid artery with minimal keystrokes
- Direct export to a worksheet and report page
- Save offset distance and IMT measurements to enhance reproducibility



Automates measurement of intima-media thickness for fast carotid exams



SonoBiometry

Improve OB scan workflows

- Automates four routine fetal biometry measurements: BPD, HC, AC and FL
- Automatically places calipers to help reduce keystrokes
- Provides operator-independent measurements, with choice to edit or discard and manually redo



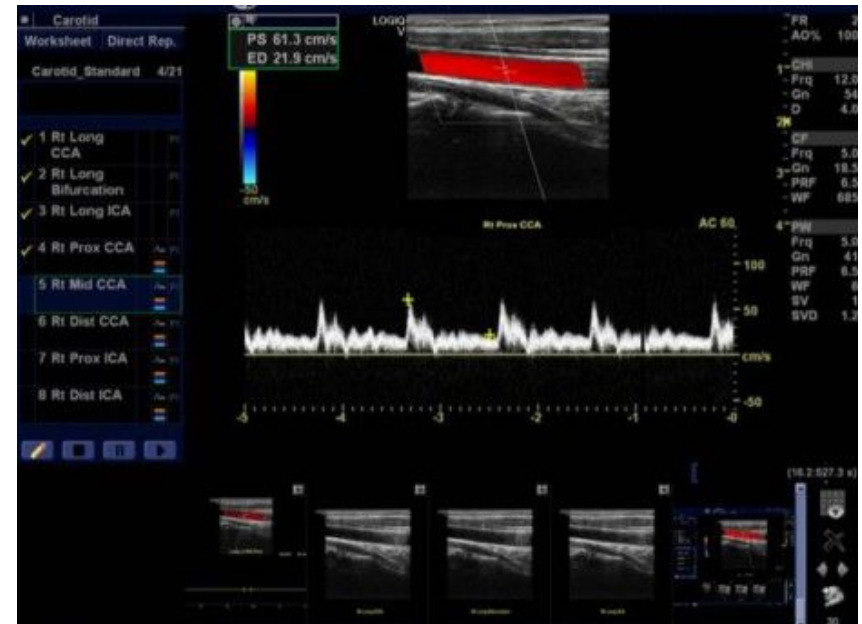
Perform key fetal biometry measurements in seconds



Scan Assistant

Reduce keystrokes, enhance confidence

- Provides basic and advanced protocols for obstetric, gynecological and abdominal scans
- Helps reduce the risk of missing steps based on the existing protocols



Puts imaging protocols at your fingertips to reduce keystrokes by as much as 22 percent¹



¹Based on internal study done with third-party consultants on LOGIQ E9, and software V&V documents. LOGIQ is a trademark of General Electric Company.

Real-time scanning support





Real-time scanning support

Enhanced exam efficiency and accuracy

The LOGIQ V2 gives you access to real-time references to support exam efficiency and accuracy:

- Scan Coach
- Onboard help
- Membership in LOGIQ Club



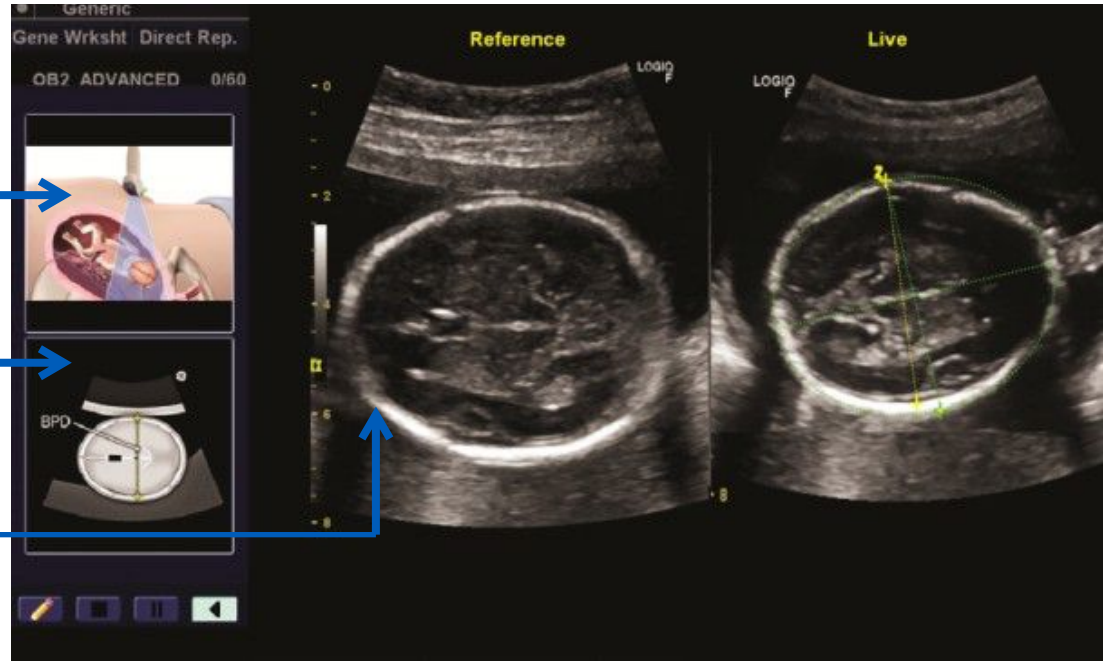
Scan Coach

Innovative reference tool, available on demand during live scanning to help acquire the scan plane for obstetric, gynecological and abdominal protocols.

3D animation shows the ultrasound beam within the anatomy for excellent visualization

Schematic drawing shows select anatomical landmarks on the target scan plane

Reference clinical images show the target scan plane



Displays reference images, animations, and schematics during live scanning



Onboard help

Interactive access to information on settings, operation, connectivity, and maintenance, plus a link to the user manual for more details.



Membership in LOGIQ Club

Online access to tools and resources

LOGIQ Club membership gives you access to tools and resources to help you experience the full power of your LOGIQ ultrasound system, including:

- Information on new products and offers
- Educational offerings and online training
- Application guidance
- White papers and user guides



Reliability that drives
productivity





Reliability that drives productivity

- Proven hardware and software from decades of GE expertise
- Easy to use system and designed for challenging environments
- Strong GE service and support
- Multi-year warranty offering including probes, parts, and labor



Thousands of LOGIQ family systems installed worldwide





The brilliance of color. The simplicity of GE.

Easy-to-use imaging
tool in a portable
ultrasound system



Appendix

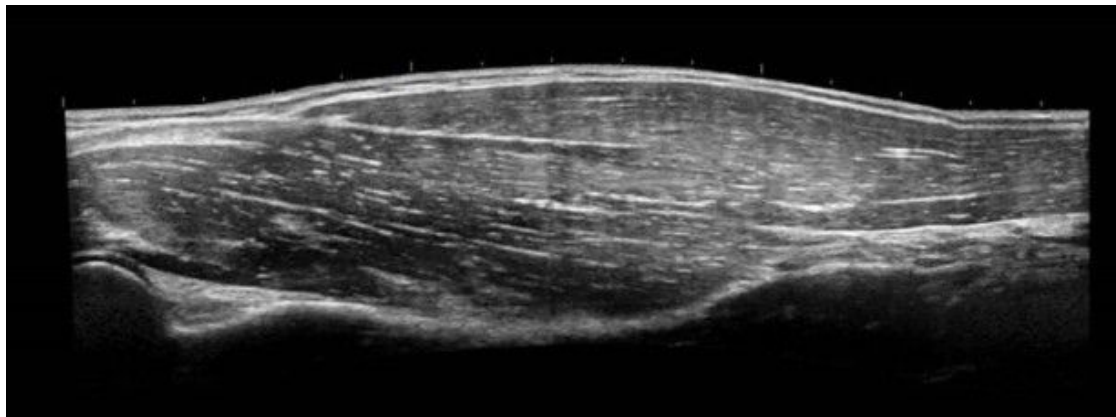


LOGIQ View

- Lesions and their anatomical relationships can be viewed in a single frame, facilitating depiction and measurement of large structures
- Real-time representation of long anatomical structures that might not be seen in a single image

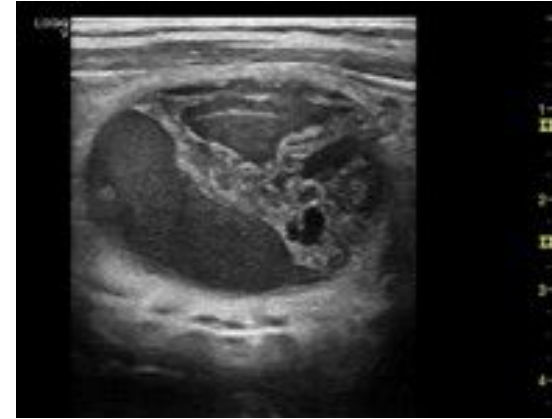
Available with all probes

- Combine with CrossXBeam™ when using linear probe
- Auto detection of scan direction
- Up to 60cm scan length



Virtual Convex

- Provides an expanded (convex) field-of-view on linear and sector probes
- Compatible with CrossXBeam™
- Available on linear and sector transducers



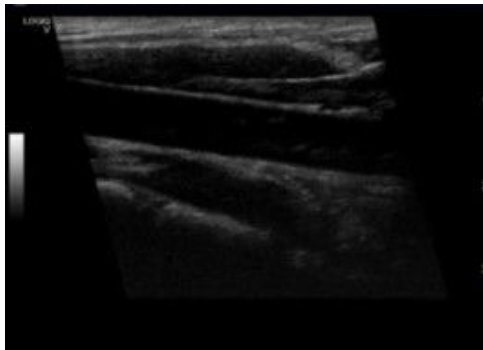
Original View



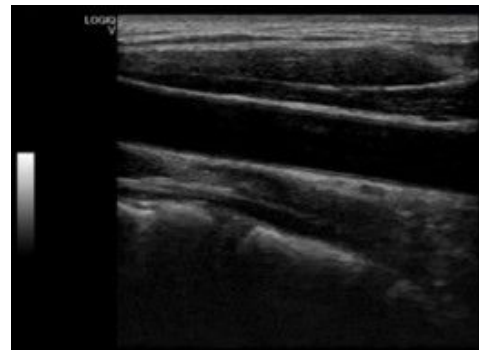
Larger FOV with Virtual Convex

B-Steer

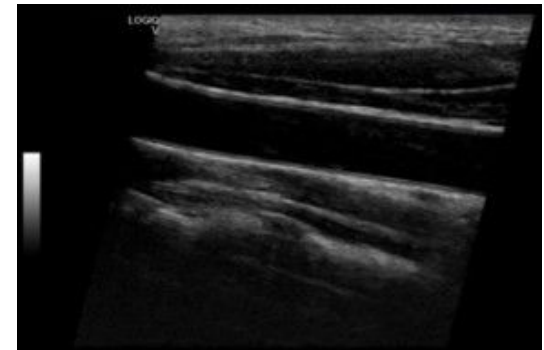
- Enables enhanced visualization of needle structures during interventional procedures and helps to improve diagnostic confidence in musculoskeletal
- Available on linear probe
- Quick one-button operation



With B-Steer



Original image



With B-Steer

Easy 3D Technology

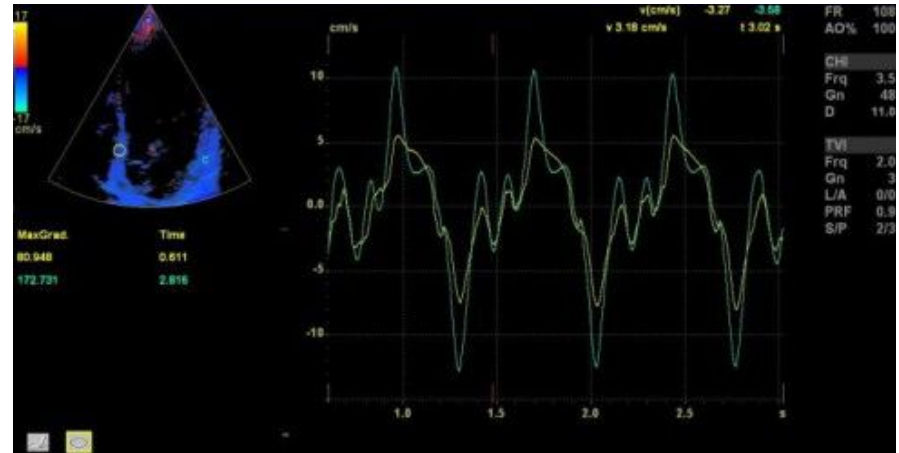
- Scan with a smooth, linear translation, or sector sweep to acquire 3D data sets
- Enables quantitative measurements without assuming simplified geometrical models



TVI with Q-Analysis

Helps assess heart function efficiently

- TVI: Myocardial Doppler Imaging with color overlay on tissue image as a reference in the assessment of left ventricular relaxation abnormalities
- Q-Analysis: Multiple Time Motion trace display from selected points in the myocardium
- Available with the 3Sc-RS probe



Anatomical M-Mode

- Facilitates accurate measurement and motion evaluation by correcting for off-axis orientation in situations when the heart is not positioned or shaped normally
- Cardiac assessment that includes an M-Mode cursor adjustable at any plane to be vertical to myocardium
- Compatible with Live image, Stored image – GE Raw Data and Color Flow mode

