

GE Healthcare



Vivid[™] *i*

Cardiovascular ultrasound system





Excellent raw data image quality.
Advanced quantification.
Increased diagnostic confidence.
Streamlined workflow.
Anywhere you want to go.

With more quantitative tools and a high level of image quality, Vivid *i* gives you greater accuracy, more diagnostic confidence and increased productivity. All the functionality and high performance of our full-featured premium systems – in a completely portable design.

Lightweight mobility. Heavyweight ability.

The new Vivid *i* builds on the many industry-leading features and technologies of its predecessors, incorporating new features, quantitative analysis tools and applications that further improve image quality and performance.

- Vivid *i* features a host of new technologies migrated from Vivid 7 and Vivid S6, such as the Ultra Definition image optimization algorithms, Smart Depth, Adaptive Reject and Wide Aperture, which provide excellent image quality and inspire higher clinical confidence in difficult-to-scan patients.
- In addition to Tissue Velocity Imaging (TVI) and Tissue Tracking (TT), the quantitative tools now include Tissue Synchronization Imaging (TSI).
- Intra-Cardiac Echo (ICE) imaging catheters open new application and care areas for your ultrasound systems.
- Sixteen probes – including transthoracic and transesophageal transducers for cardiac adult and pediatric exams, and linear, convex and Doppler probes – further extend Vivid *i*'s wide range of applications.
- EchoPAC™ advanced quantitative analysis tools can be used with Vivid *i*'s raw data, optimizing workflow to match your real needs.



A small system that shows a lot of heart.

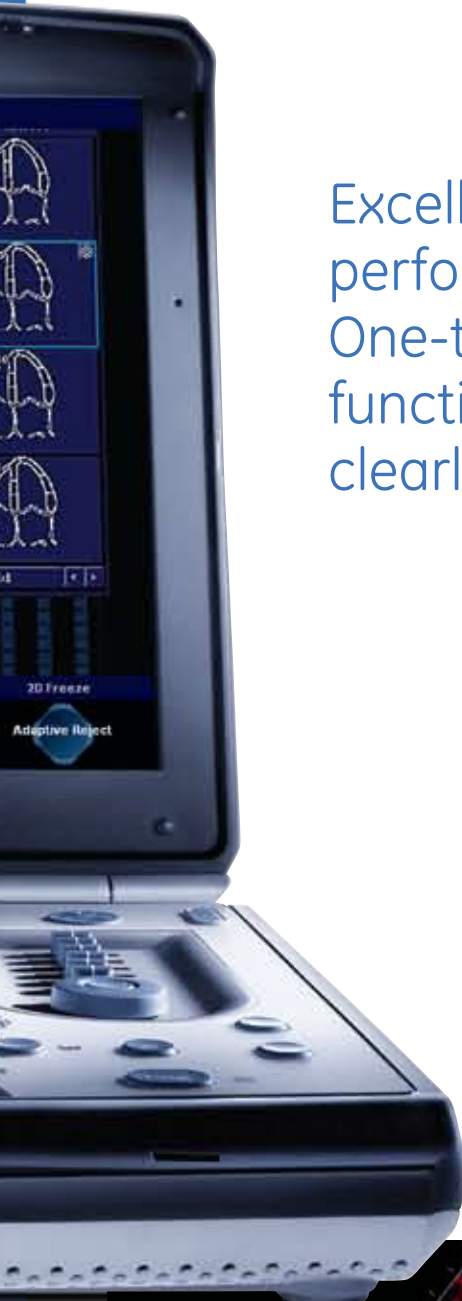


Visualize more clearly. Scan more efficiently. Analyze more quickly. Vivid *i*'s excellent image quality and quantitative analysis tools bring innovation to portable ultrasound imaging.



Intra-Cardiac Echo (ICE) imaging

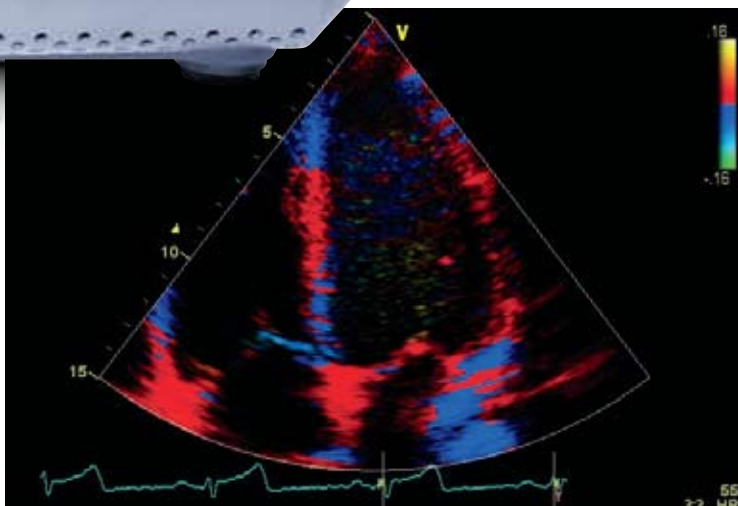
ICE catheters deliver excellent image quality and real-time visualization of cardiac structural anatomy, and therapy catheters for monitoring and guidance during interventional procedures. ICE gives you a better understanding of structural orientation during trans-septal puncture procedures to help you avoid clinical complications.



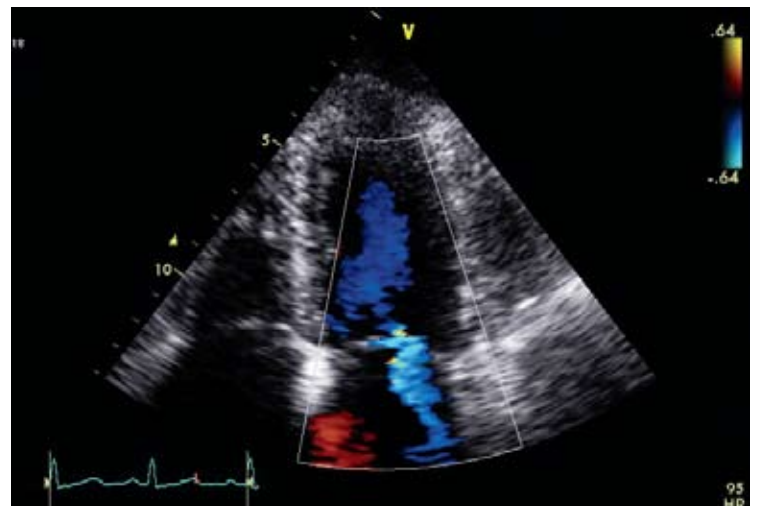
Excellent raw data image quality. Innovative performance features. Proven clinical tools. One-touch image optimization. Assess LV function and cardiac performance more clearly, effectively and confidently.

Performance features and clinical tools

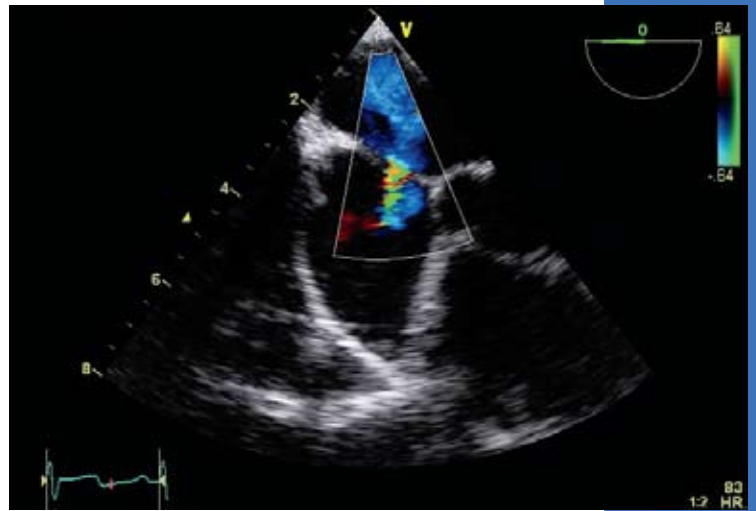
- New Ultra Definition algorithms for Speckle Reduction Imaging (SRI), Clarity and Adaptive Reject further optimize image quality.
- Smart Depth automatically adapts imaging parameters to help newer users see better results and expert operators save time, while increasing standardization among users.
- Smart Stress improves workflow, shortens optimization time and provides reproducibility for review, wall segment scoring and reporting.
- Tissue Synchronization Imaging (TSI) translates comprehensive quantification into an easy-to-understand image demonstrating mechanical synchronicity of different myocardial segments.



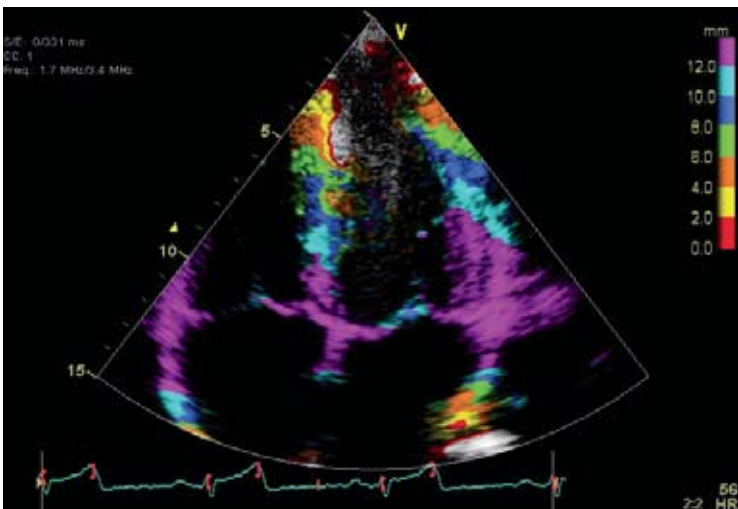
Tissue Velocity Imaging apical four chamber



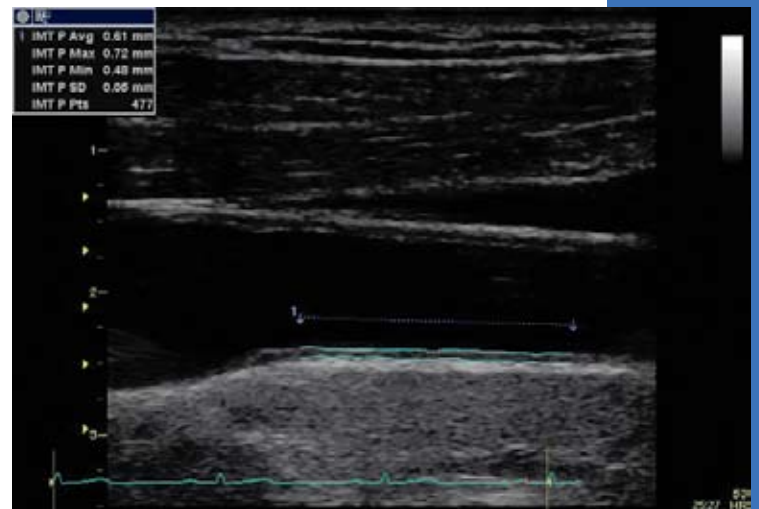
Mitral regurgitation apical four chamber



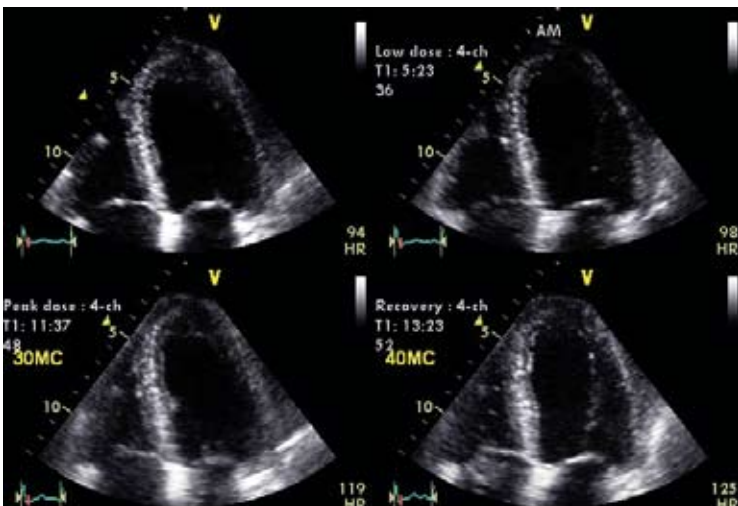
Transesophageal echo with color Doppler



Tissue Tracking



Common carotid artery measurement intima-media thickness



Dobutamine stress echo



At a patient's bedside. In the OR.
In a satellite clinic or mobile imaging
site. Vivid *i*'s compact size and light
weight make it easy to take exceptional
ultrasound imaging performance
wherever it's needed.

Power. Performance. Pick up-and-go portability.

OR/Anesthesia

- Address perioperative needs with transthoracic examinations under challenging conditions.
- Enable monitoring with the help of adult or pediatric TEE.
- Support saphenous vein harvesting and carotid evaluations.
- Use the intra-operative probe to support specific diagnoses in the OR.
- Connect Vivid *i*'s TEE transducer to Vivid console systems using an adaptor.
- Continuously scan for up to one hour from battery.
- Share images remotely on any PC using the eVue option, for efficient and convenient consultations.

Pediatric Echocardiography

- Examine children of all ages, including newborns, without compromise.
- Choose from a wide range of sector, micro convex, linear and transesophageal transducers plus a specific ECG cable.

Shared Services

- Conduct more vascular and abdominal exams with Vivid *i*'s comprehensive set of linear and convex transducers.
- Display blood flow with 2D-like spatial resolution and no color-flow-imaging artifacts with B-Flow and BFI (Blood Flow Imaging).
- Measure the carotid artery's intima-media thickness quickly and accurately for early information on atherosclerosis risk with the IMT analysis package.
- Wide Aperture improves the signal-to-noise ratio and spatial resolution for better penetration in deeper structures.





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Healthcare Re-imagined

GE is dedicated to helping you transform healthcare delivery by driving critical breakthroughs in biology and technology. Our expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, and biopharmaceutical manufacturing technologies is enabling healthcare professionals around the world to discover new ways to predict, diagnose and treat disease earlier. We call this model of care “Early Health.” The goal: to help clinicians detect disease earlier, access more information and intervene earlier with more targeted treatments, so they can help their patients live their lives to the fullest.

Re-think, Re-discover, Re-invent, Re-imagine.

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imagination at work