

# Vivid™ T8 Ultrasound

Cardiac and shared services.  
Together like never before from GE.







# Vivid cardiac. Shared services. Paired for excellent performance.

In the Vivid T8, we've taken the established cardiac imaging capabilities of GE Vivid systems, and blended them with exceptional shared services performance of the LOGIQ™ systems.

**The result:** some of the best features of both systems combined into one value hybrid cardiovascular ultrasound system – rugged, reliable, robust, and rich with features, yet still affordable and easy to use. And, with three years of comprehensive service coverage, the Vivid T8 system is designed to help enhance the total value of ownership.

- ▶ Take rugged reliability to challenging conditions.
- ▶ Scan with convenience.
- ▶ Leverage Vivid cardiac IQ and functionality.
- ▶ Share services freely.

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# Take rugged reliability to challenging conditions.

In developing the Vivid T8, reliability was our number one priority.

We designed and rigorously tested the system for high reliability even in very harsh, demanding environments. It delivers a hardy robustness that stands up to the challenges of even the busiest ultrasound imaging practices.

We performed a set of challenging tests on the system—and the Vivid T8 stood strong through every test.

- ▶ Rugged construction for durable performance.
- ▶ Broad thermal range
- ▶ Excellent dust protection
- ▶ Low use error



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# Rugged construction for durable performance.

The Vivid T8 was subjected to 20 hours of intense vibration, and shock tested with 1,000 strikes at a force of 10 G's.



[Click here to see the video online.](#)

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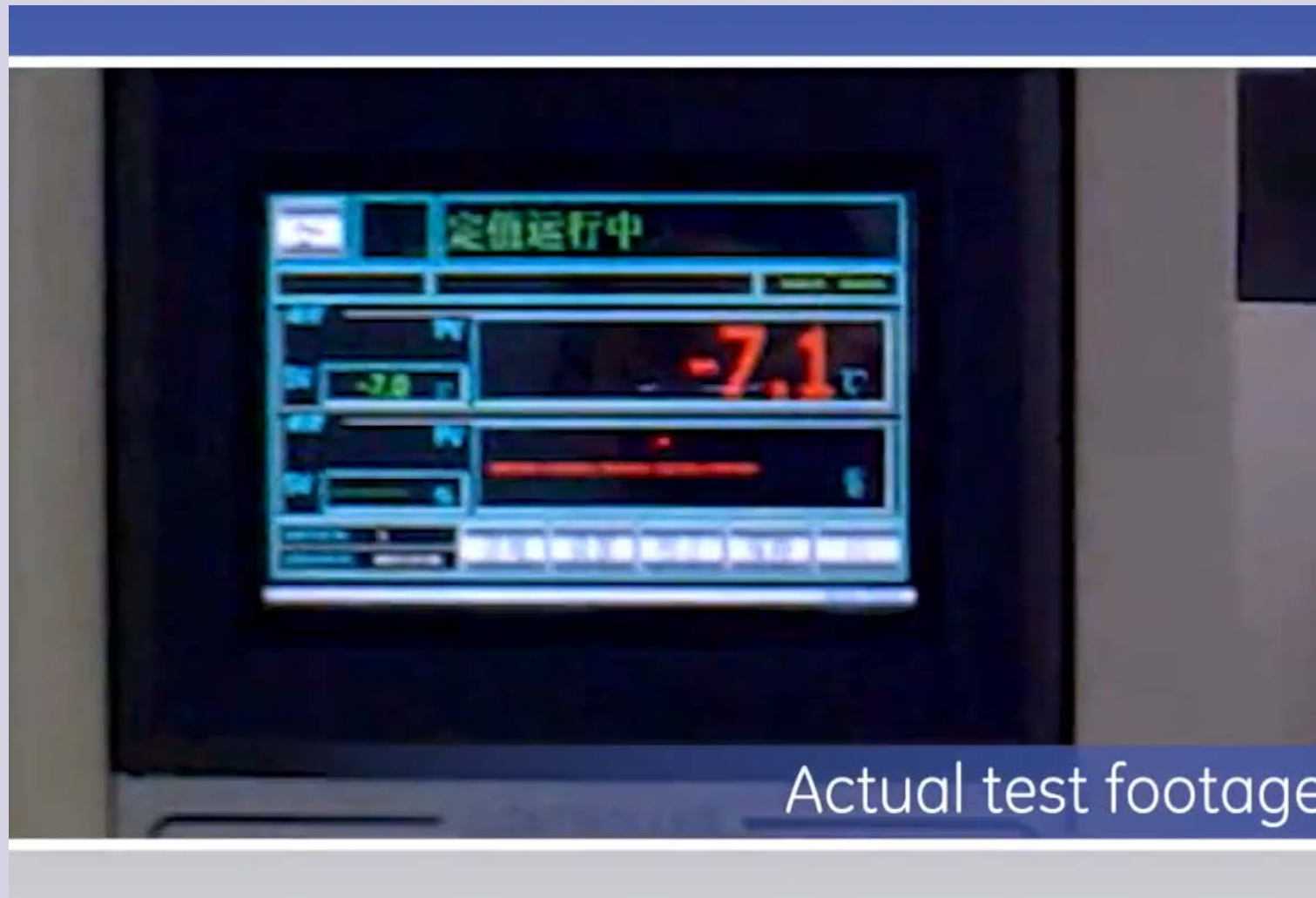
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## Broad thermal range

Rigorous thermal testing subjected the Vivid T8 to both intense heat and cold for a week each, and then to four weeks of cycling back and forth between two temperature extremes.



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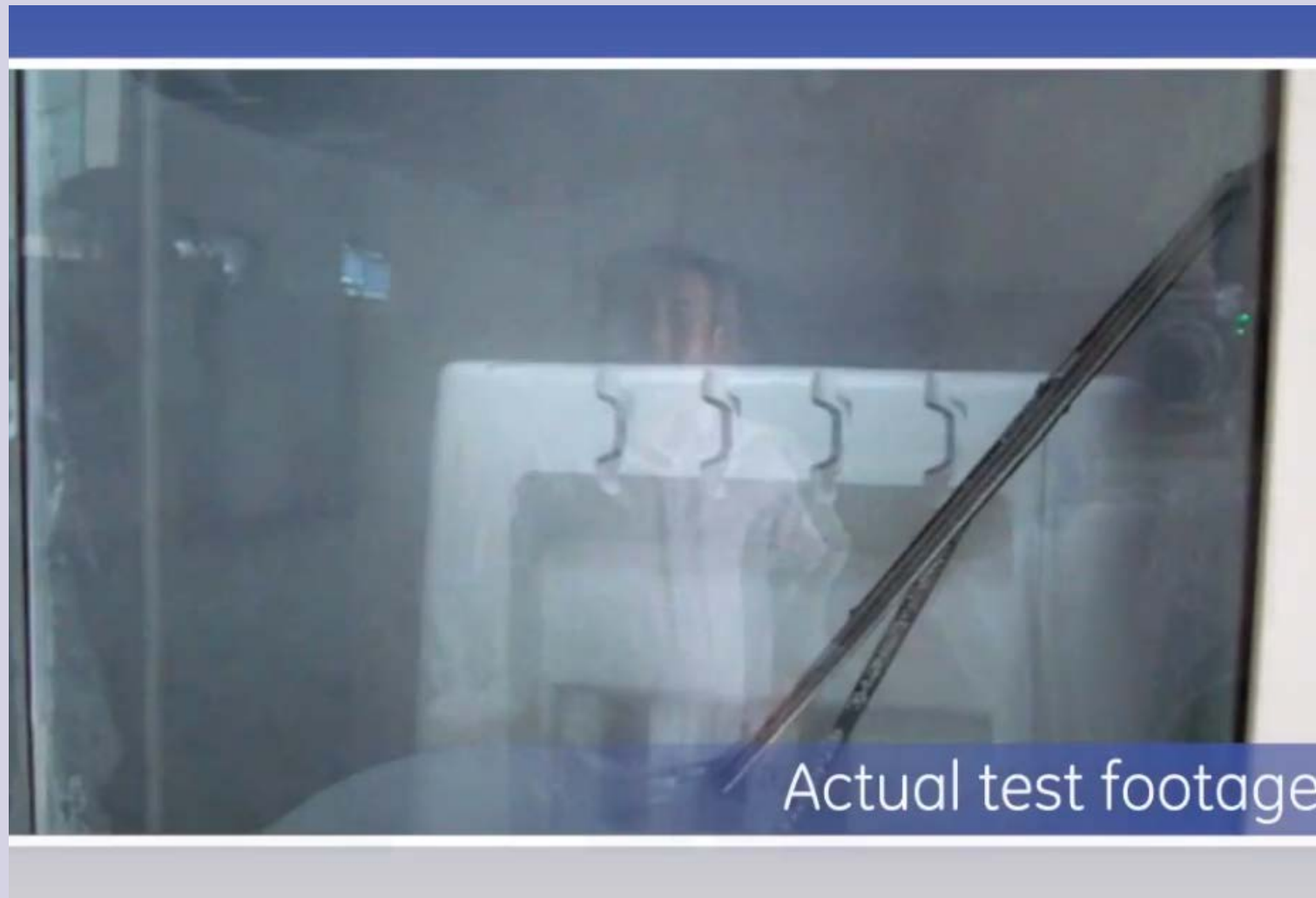
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## Excellent dust protection

During an eight-hour dust protection test, the Vivid T8 performed smoothly even with both fans clogged with extreme amounts of dust.



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## Low use error.

Even after numerous normal power-on/off cycles, repeated forced power-off cycles, and dozens of transducer removals and insertions, the Vivid T8's use error was low.



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# Scan with convenience.

The Vivid T8 is designed to be easy to operate and transport in many environments. Its intuitive user interface is a true Vivid console, with Vivid applications, features, workflow, and reliability, simplified for ease of use.

- ▶ Convenient control layout
- ▶ Ready-to-go mobility
- ▶ Ample transducer capacity





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## Scan with convenience.

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- ▶ Convenient control layout
- ▶ Ready-to-go mobility
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### Convenient control layout

The touch screen, rotary dials, and patient management buttons are conveniently located, and all mode buttons are grouped together near the trackball.



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## Scan with conv

The Vivid T8 is designed to be easy to use in many environments. Its intuitive user interface, Vivid console, with Vivid application reliability, simplified even more for ease of use.

- ▶ Convenient control layout
- ▶ Ready-to-go mobility
- ▶ Ample transducer capacity



### Ready-to-go mobility

Weighing just 58 kilograms, with durable casters and push handles front and back, the Vivid T8 is easy to push and roll on tiled or carpeted floors.





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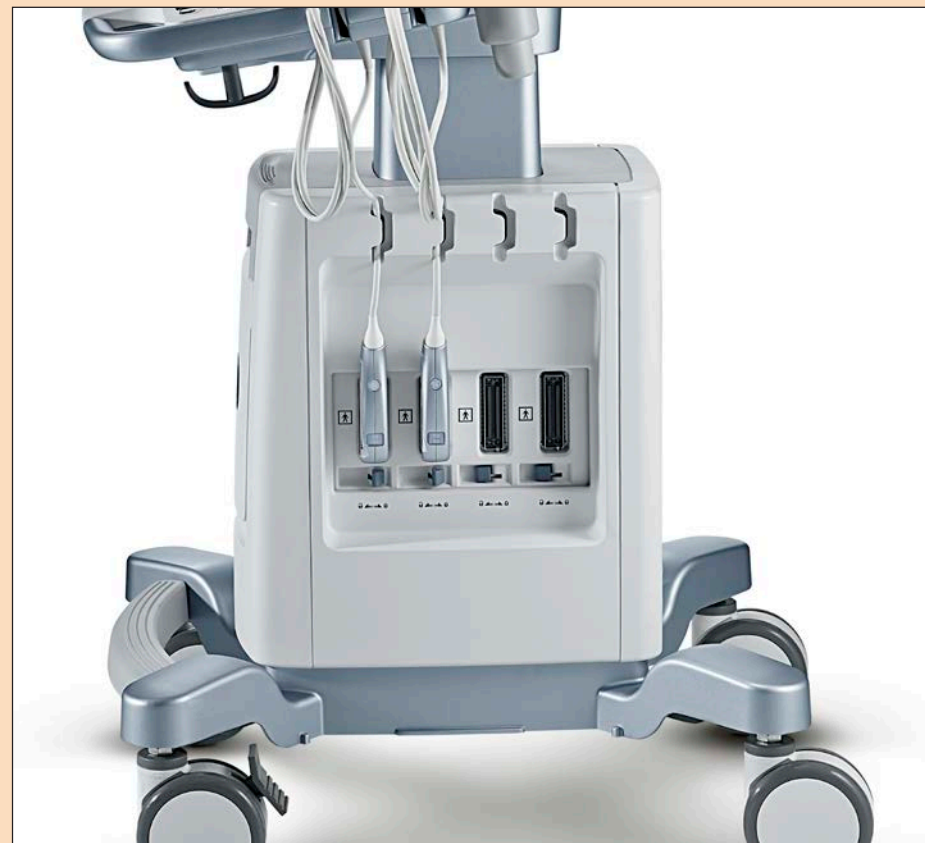


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- ▶ Convenient control layout
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- ▶ Ample transducer capacity



### Ample transducer capacity

The Vivid T8 has four RS transducer ports and four standard transducer holders, plus two optional ones.





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# Leverage Vivid cardiac IQ and functionality.

A feature-rich system with legacy Vivid software, the Vivid T8 uses an array of advanced quantitative tools to help enhance its cardiac imaging capabilities.

- ▶ Tissue Velocity Imaging
- ▶ AutoEF
- ▶ SmartStress
- ▶ Automated Function Imaging
- ▶ TissueTracking/  
Tissue Synchronization Imaging
- ▶ Strain/Strain Rate Imaging
- ▶ Complete cardiac transducer selection
- ▶ Transesophageal Echocardiography



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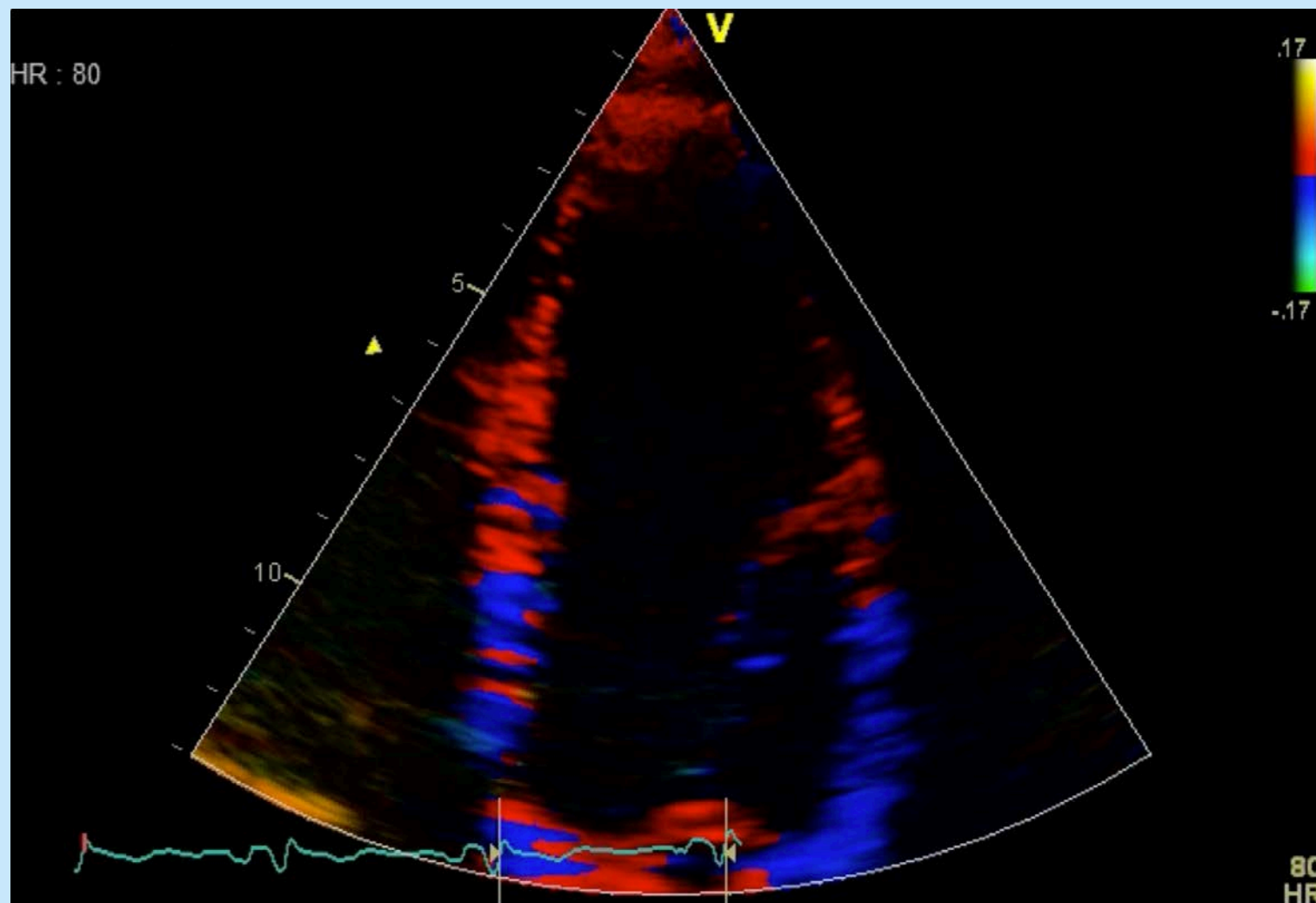
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# Tissue Velocity Imaging

Captures dynamic information from moving heart tissue for quantifiable measurement of left ventricular function.



[Click here to see the moving image online.](#)

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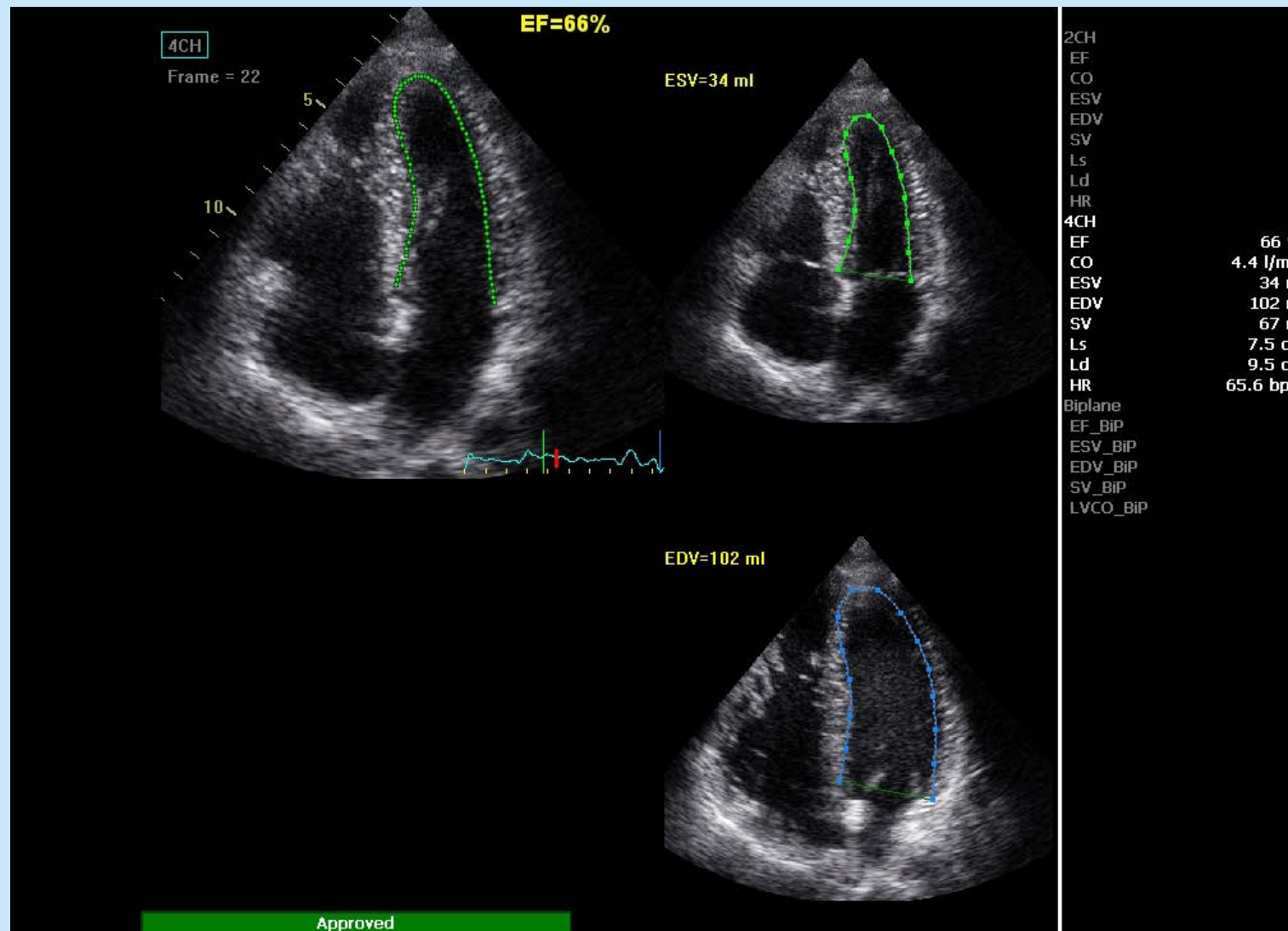
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## AutoEF\*

Automatically assesses left ventricular ejection fraction using an automated, speckle-tracking ROI tool.



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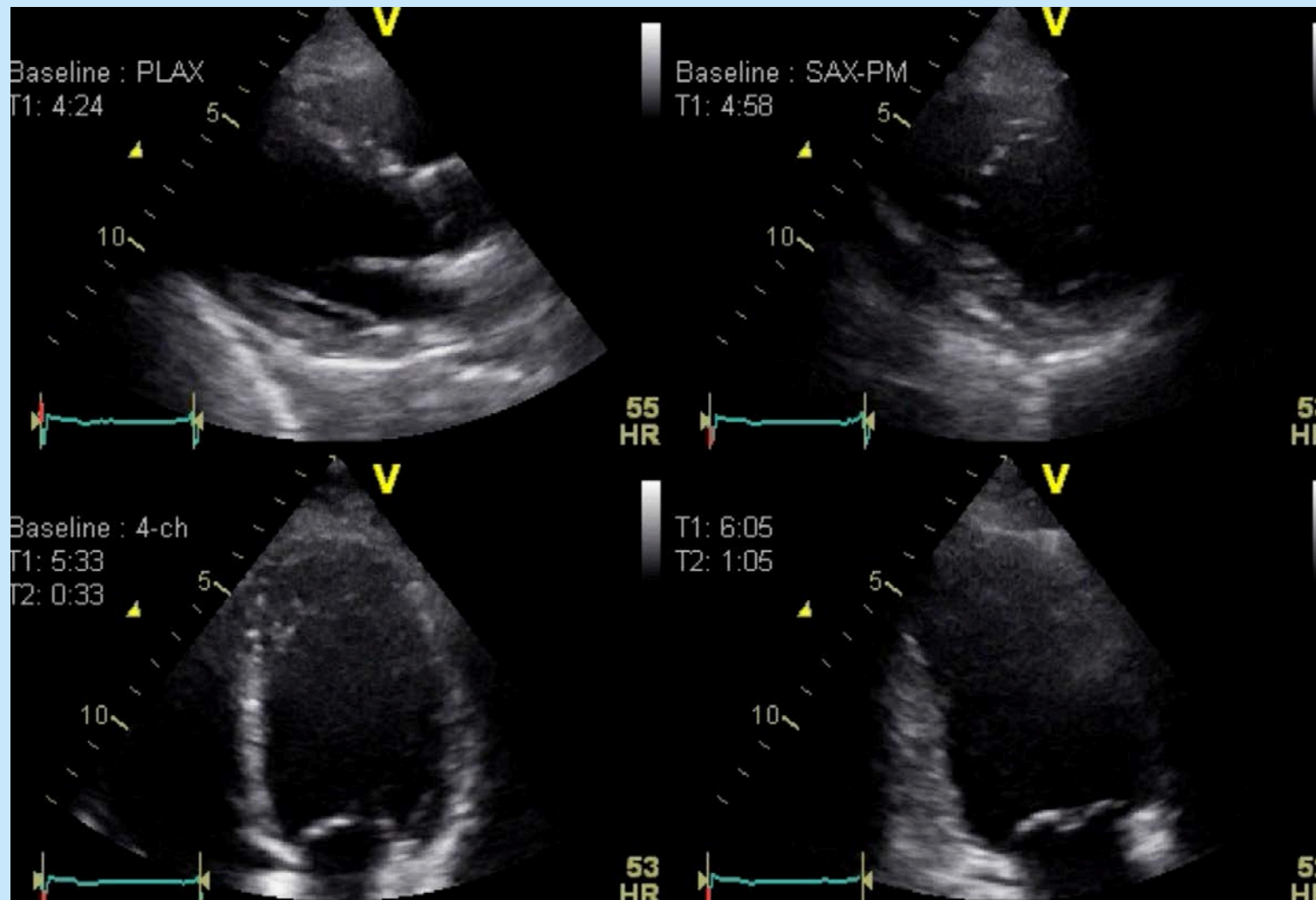
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## SmartStress\*

Automatically adjusts settings to help streamline workflow, increase reproducibility, and enhance diagnostic confidence.



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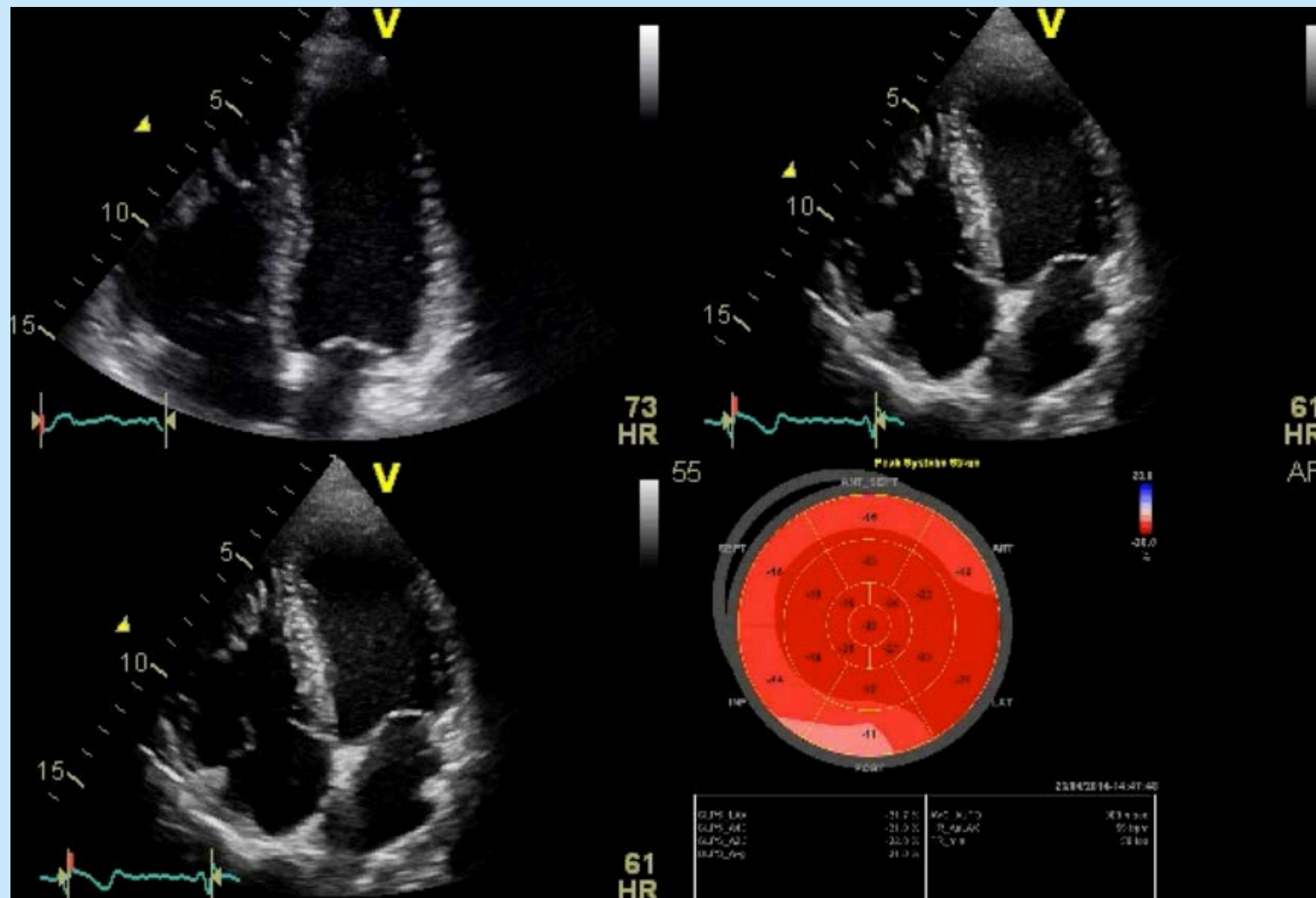
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# Automated Function Imaging\*

Assesses and quantifies left ventricular wall motion at rest, and calculates parameters to describe the function of the left ventricular walls. Nearly 400 papers have been published on AFI, which has received GE Healthcare's healthymagination validation for its proven reliability and reproducibility.



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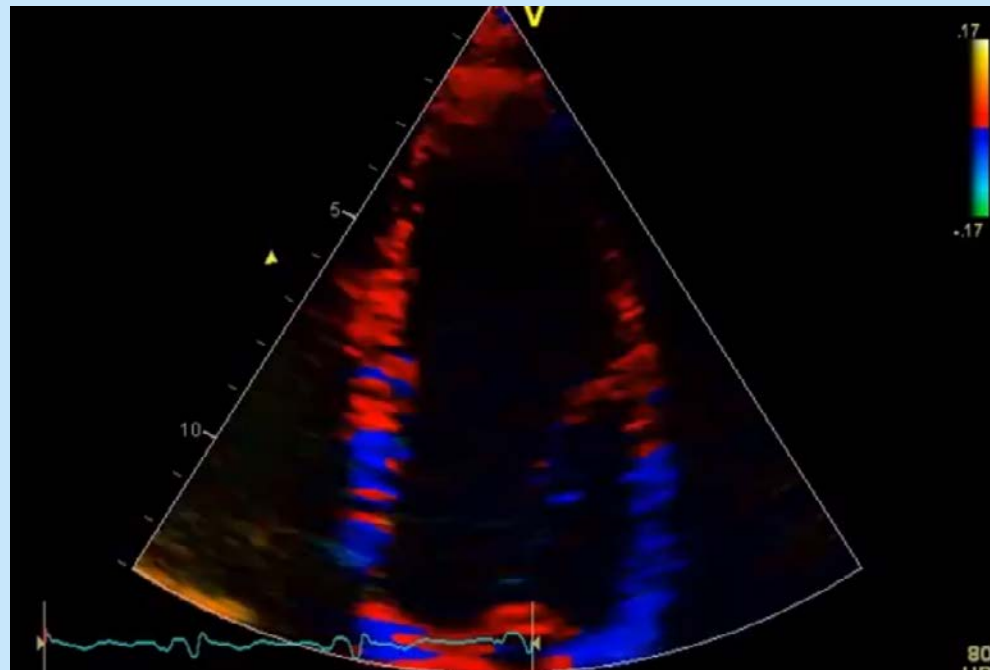
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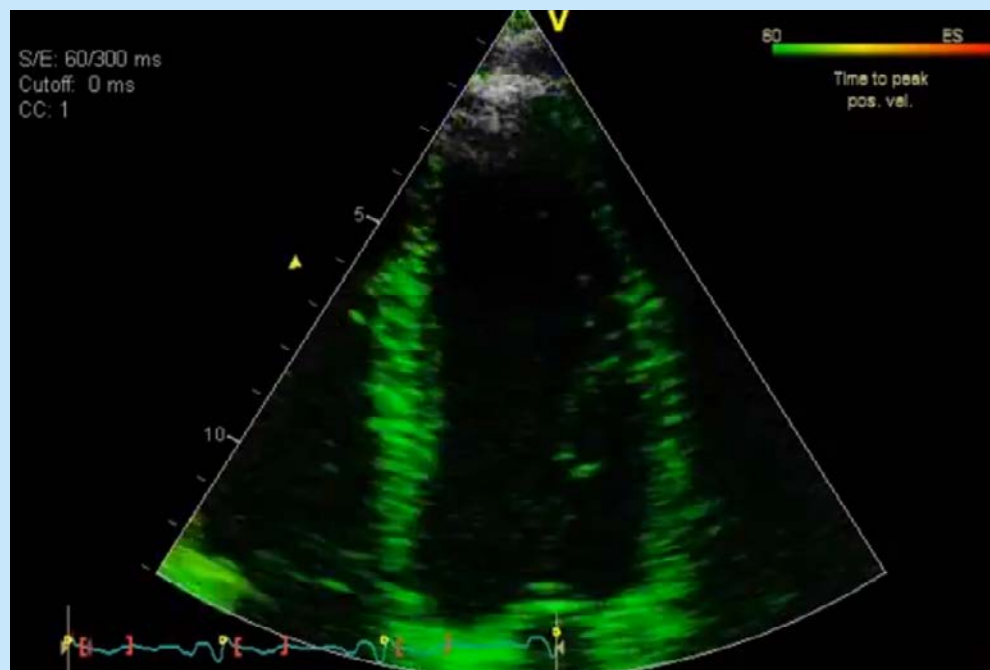
# Tissue Tracking\*/Tissue Synchronization Imaging\*



Provides additional image enhancement for  
assessing delayed cardiac wall motion.

Tissue Tracking

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Tissue Synchronization Imaging

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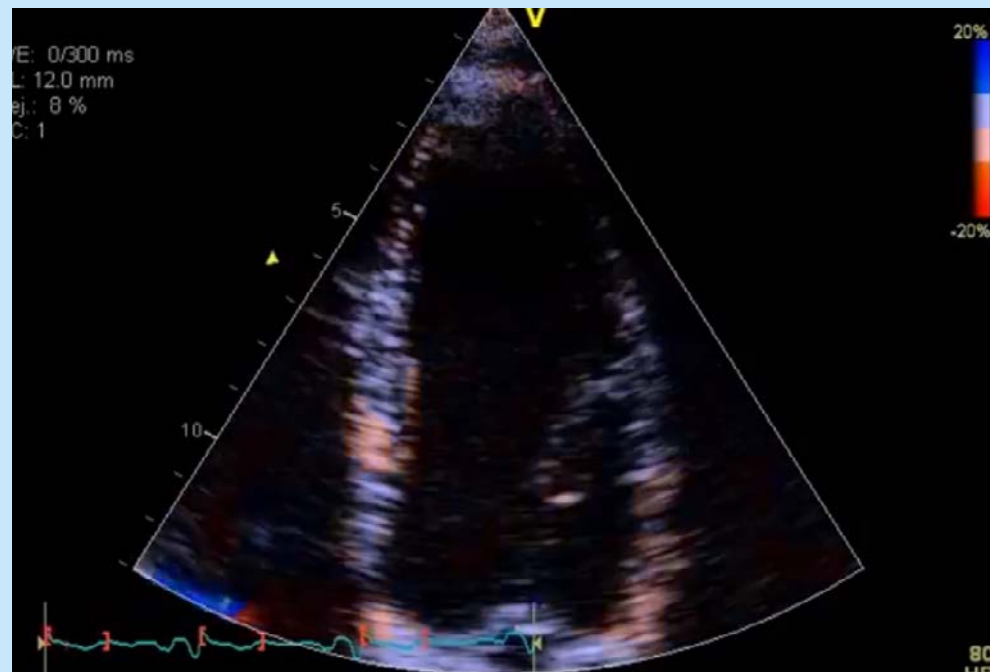
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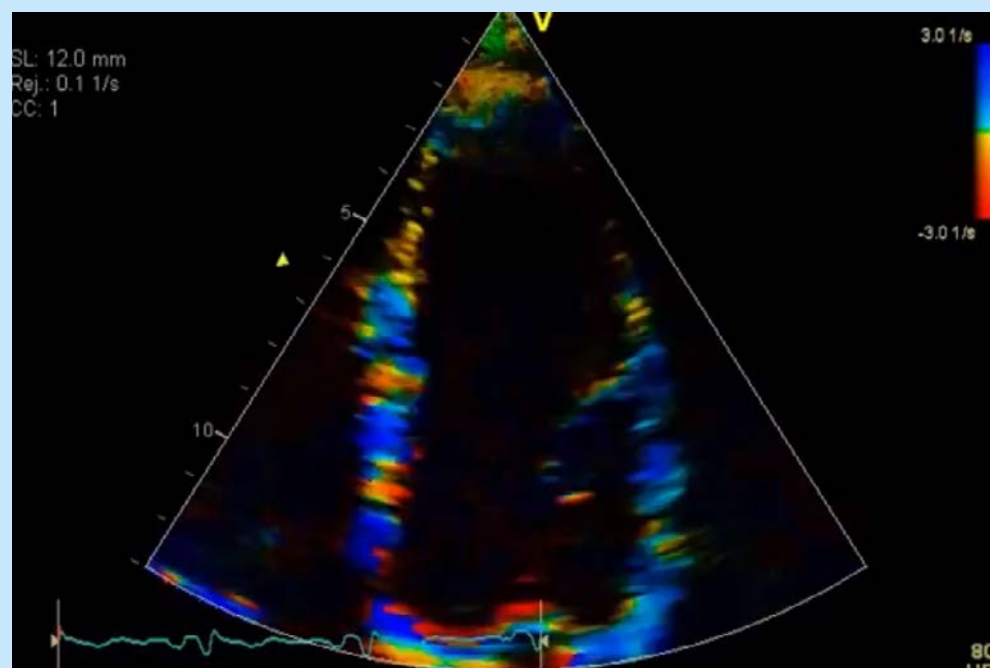
## Strain\*/Strain Rate Imaging\*



Helps enhance visual and quantitative recognition of dysfunctioning myocardial segments, and can help in evaluating regional systolic function in ischemic heart disease.

Strain

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Strain Rate Imaging

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# Complete cardiac transducer selection

The Vivid T8 comes with a 3Sc-RS transducer, a 6S-RS transducer, a 6Tc-RS transducer, and a pedoff transducer.



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# Guide interventional procedures with confidence.

Adult multiplane transesophageal echo transducers are available for specific echo examinations and for monitoring and guidance to support interventional procedures, with the actual TEE scan plane position and transducer temperature always shown on screen. Vivid T8 TEE transducer 6Tc-RS is compatible with Vivid S6, Vivid S5, Vivid i/q and with Vivid E9 via an adapter.



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# Share services freely.

Delivering exceptional shared service image quality, the flexible Vivid T8 gives you options that let you customize the system to your facility's shared service needs.

- ▶ Auto IMT
- ▶ Virtual Convex
- ▶ LOGIQview
- ▶ B-Flow
- ▶ Blood Flow Imaging
- ▶ Versatile shared service transducer selection

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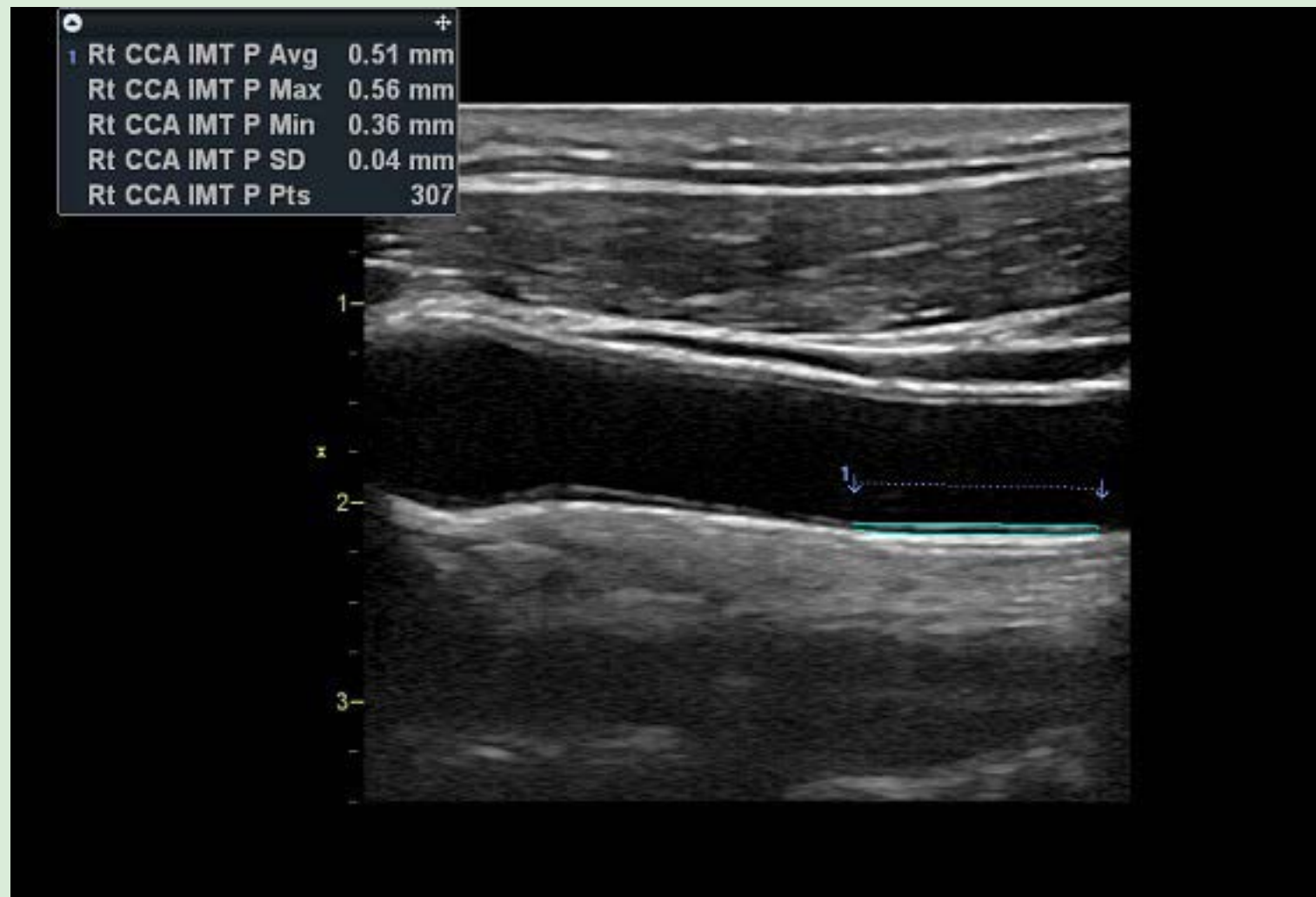
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## Auto IMT\*

Provides automatic edge detection for intima-media  
thickness and auto-completes required measurements.



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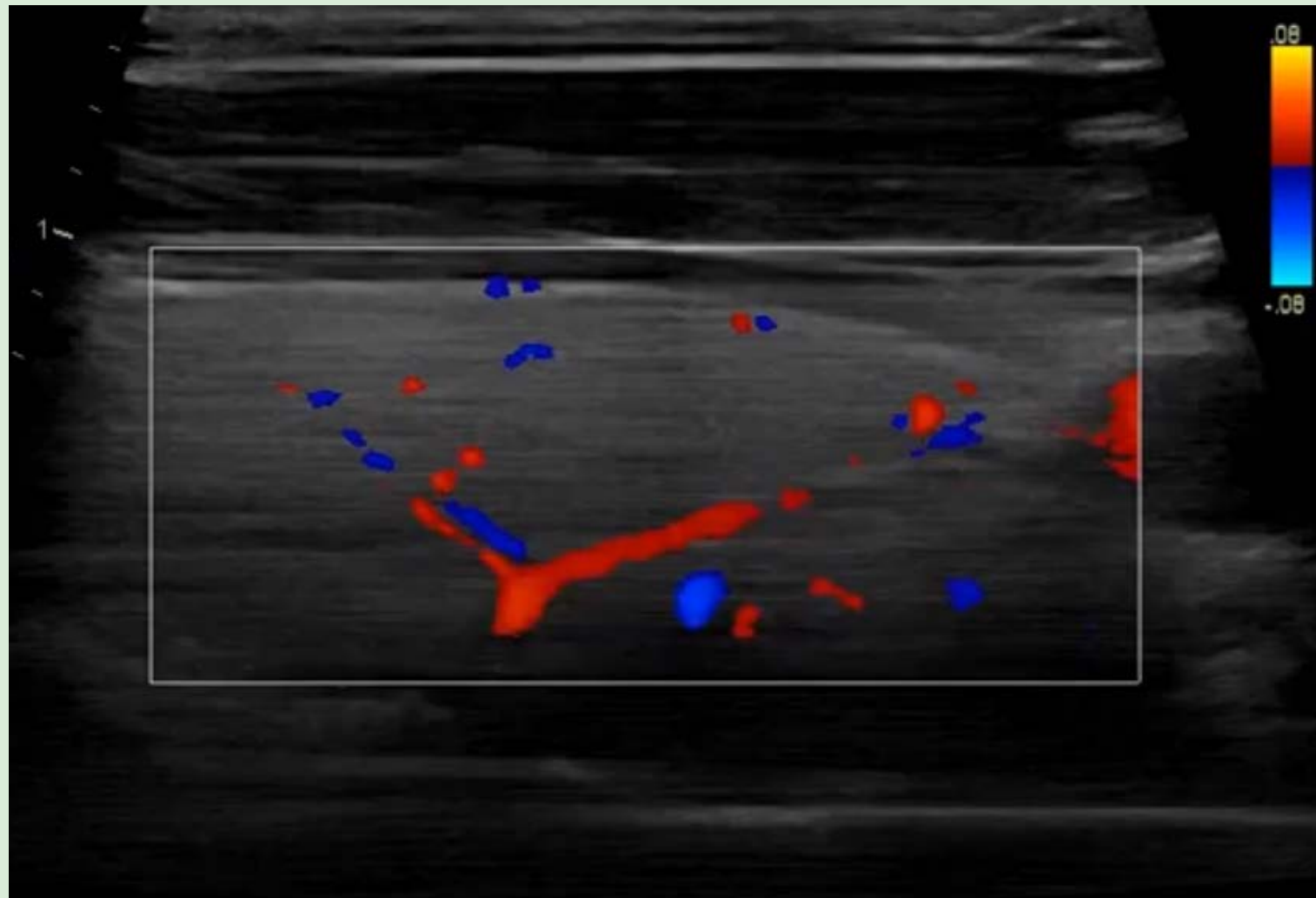
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## Virtual Convex\*

Extends the field of view when using linear transducers.



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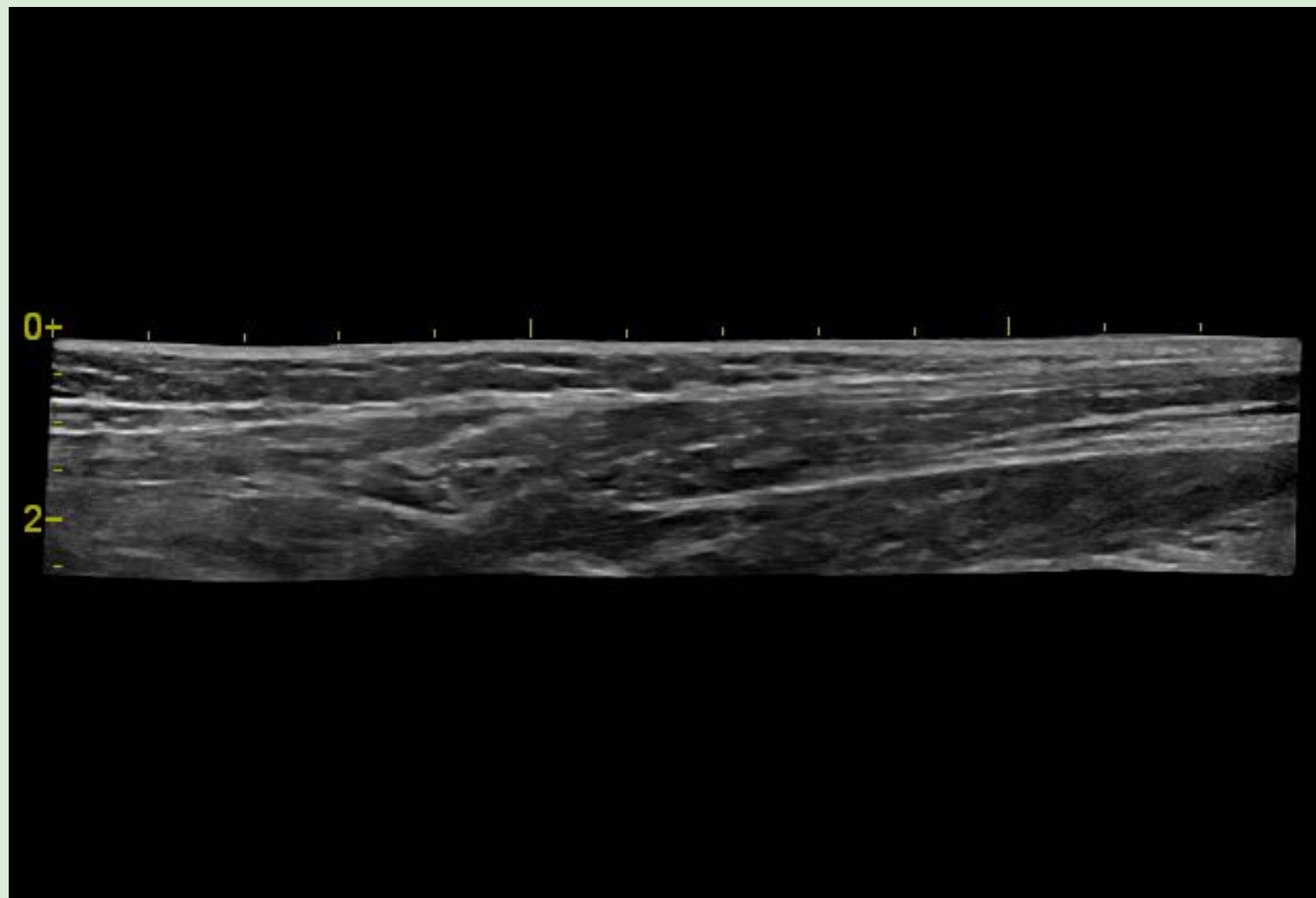
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# LOGIQview\*

Increases the field of view to image large organs that typically can't be seen in a single image.



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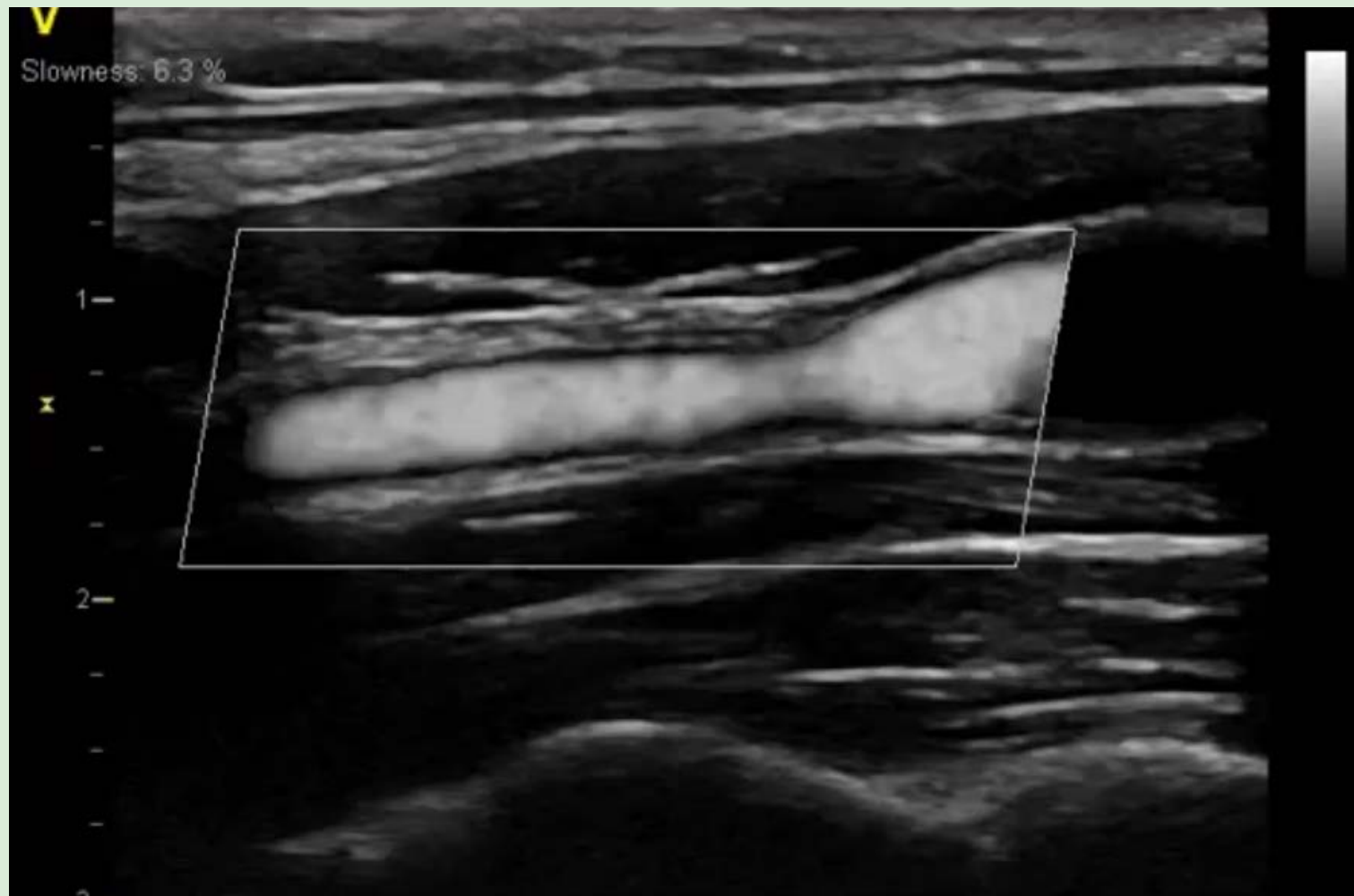
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## B-Flow\*

Provides advanced spatial and temporal resolution  
to help assess blood flow and vessel wall structure  
without the limitations of Doppler.



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- ▶ LOGIQview
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- ▶ Blood Flow Imaging
- ▶ Versatile shared service  
transducer selection

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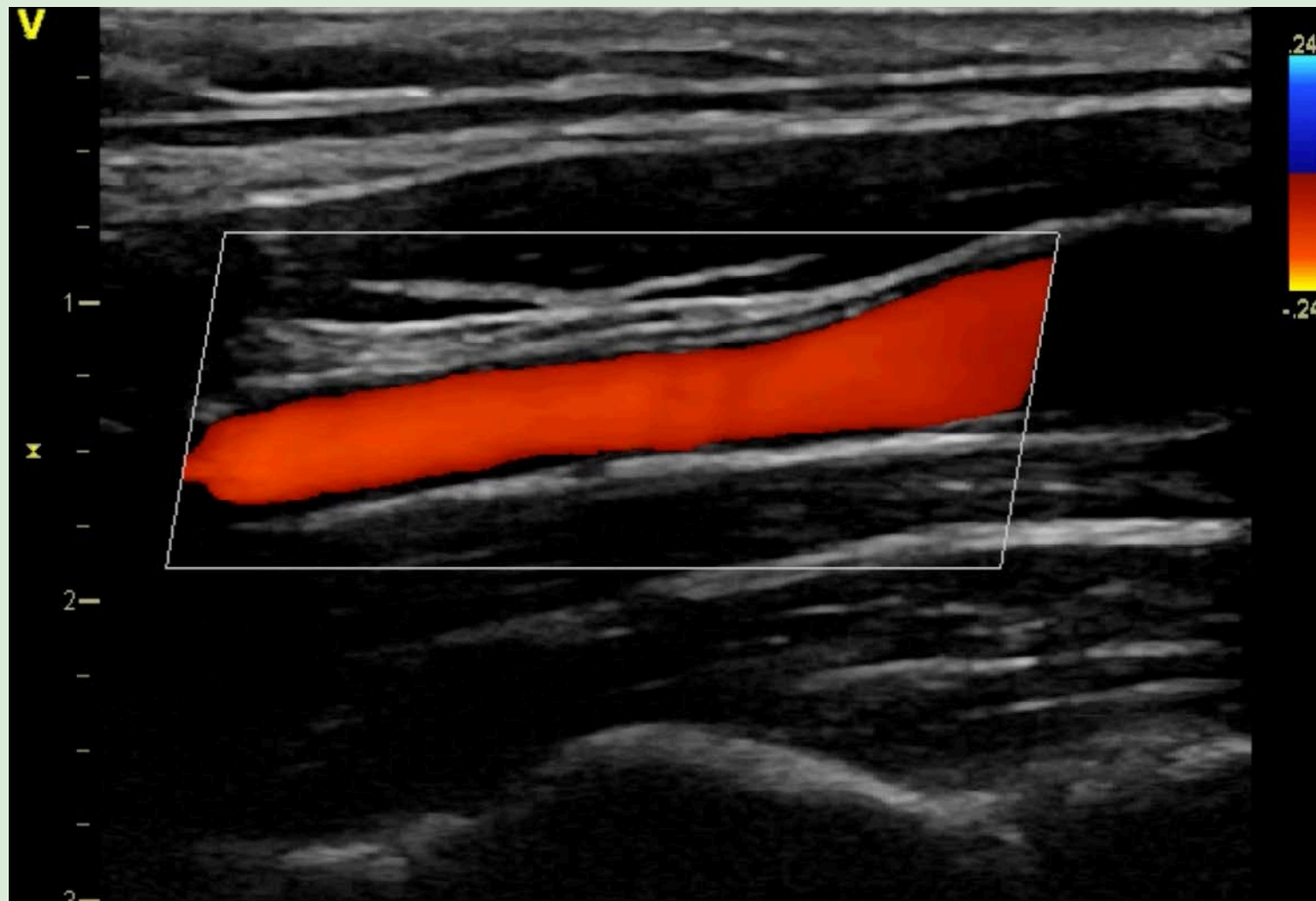
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# Blood Flow Imaging\*

Provides enhanced visualization of blood flow dynamics using a signal-processing algorithm for visualizing blood flow data.



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- ▶ Auto IMT
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- ▶ LOGIQview
- ▶ B-Flow
- ▶ Blood Flow Imaging
- ▶ Versatile shared service transducer selection



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## Versatile shared service transducer selection\*

Provides enhanced visualization of blood flow  
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