



Vivid™ iq

The power to take you places.



Portable. Powerful. In touch.

Built for today's challenges and tomorrow's possibilities, GE's evolutionary Vivid™ *iq*¹ has the power to take you places. You asked and we listened!


Vivid *iq* brings you everything you've been looking for in portable ultrasound. Collaboratively developed and extensively tested, GE Healthcare's compact

delivers a combination of portability, reliability, ruggedness and power that fits right in with your needs – wherever your journey takes you.²

Diagnose with confidence as you explore Vivid images with AFI, 4D TEE, ICE³ and other vital quantification tools. Pinch and zoom through your work on the comfortable touch interface. Carry it with you – to the Cath lab, the ER, or a tented exam room in a remote locale² – thanks to a design that's 10 percent lighter and thinner than the Vivid q.

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It's the next step forward from the partner who defined the high-end compact category ... and continues to innovate to help you adapt to changing challenges.

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Where will Vivid *iq* take you?

¹Vivid *iq* is not available in all countries.

²The device has been verified for limited use outside of professional healthcare facilities and has not been evaluated for use during transport.

³ICE catheter availability varies by country. Please contact Biosense Webster® directly. Biosense Webster is a trademark of Biosense Webster, Inc.

Advanced. Accessible. Adaptable.

Wherever you and your patients need it,² Vivid™ iq¹ delivers premium image quality for cardiac care, including deformation imaging tools, like TVI, Strain, 4D TEE and ICE,³ and shared services.

- ▶ Echo Lab
- ▶ Interventional Cardiology
- ▶ ICU/CCU
- ▶ Pediatrics
- ▶ Shared Services



Echo Lab

Physicians expect exceptional imaging. The administration demands efficiency. And patients deserve excellent care. All at today's increasing patient volumes. Count on Vivid *iq*'s combination of power and portability to help you achieve the speed and quality in echo this environment demands.

TTE

You don't have to sacrifice exceptional image quality for the convenience of a compact system.

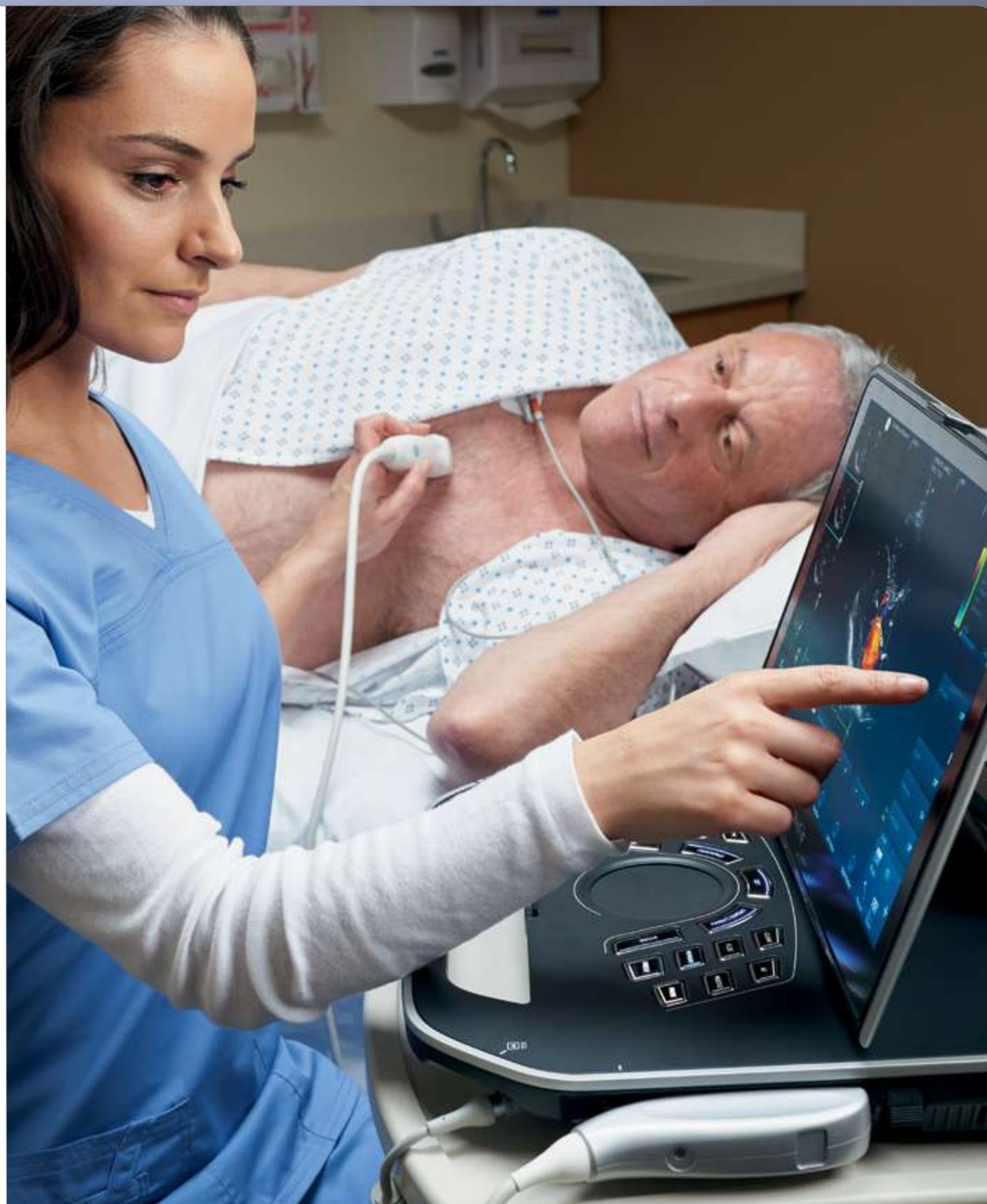
- ▶ Color Flow
- ▶ Virtual Apex
- ▶ LVO Contrast⁴ on 3Sc and M5Sc

TEE

Vivid *iq* makes TEE's crucial insights into heart function accessible without compromising productivity.

- ▶ 2D/4D TEE
- ▶ MDI Multidimensional Imaging⁵ (with 6VT-D probe)

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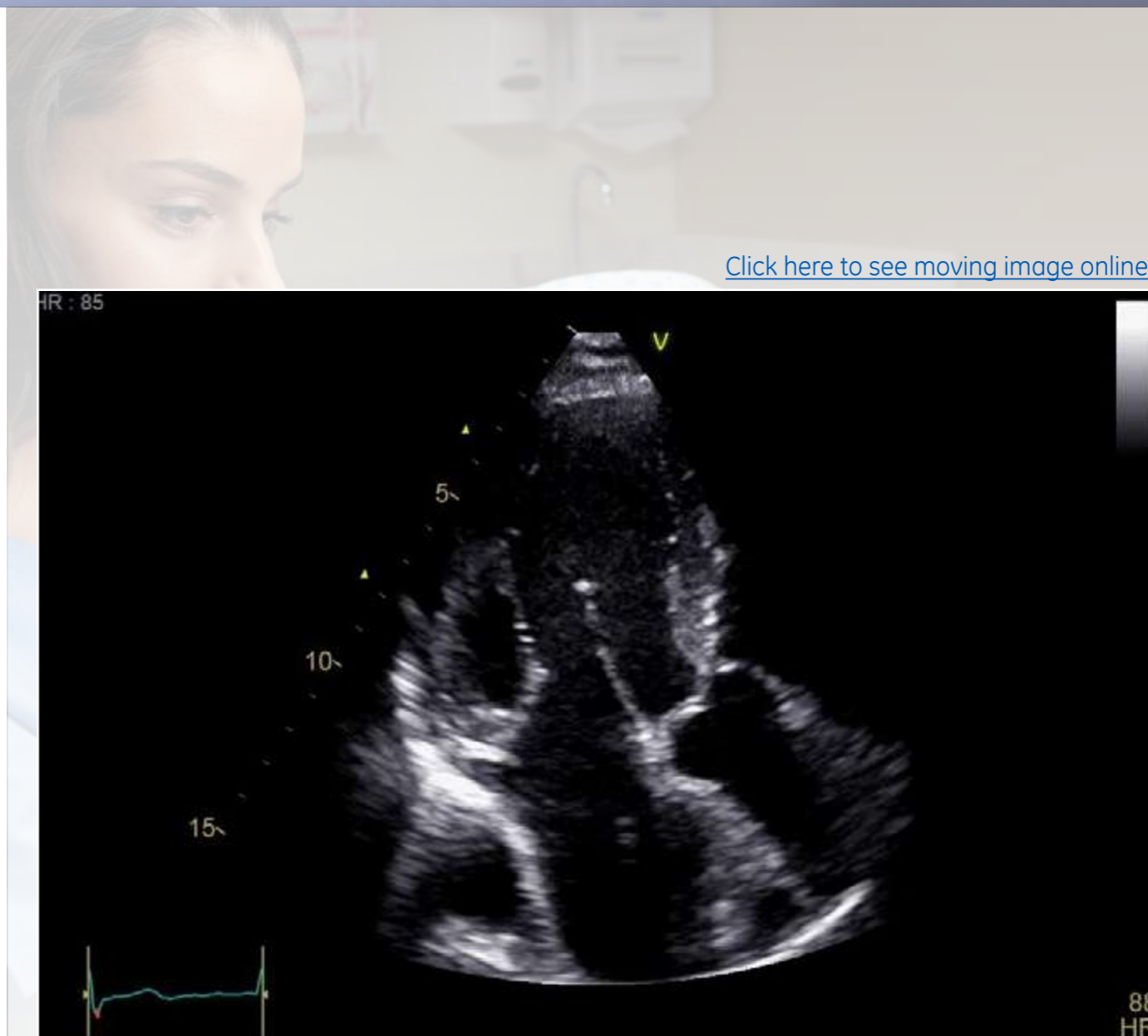
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Virtual Apex – Phased array probes provides a 120° sector for a wide field of view for enhanced visualization of structures at the sides of the sector.

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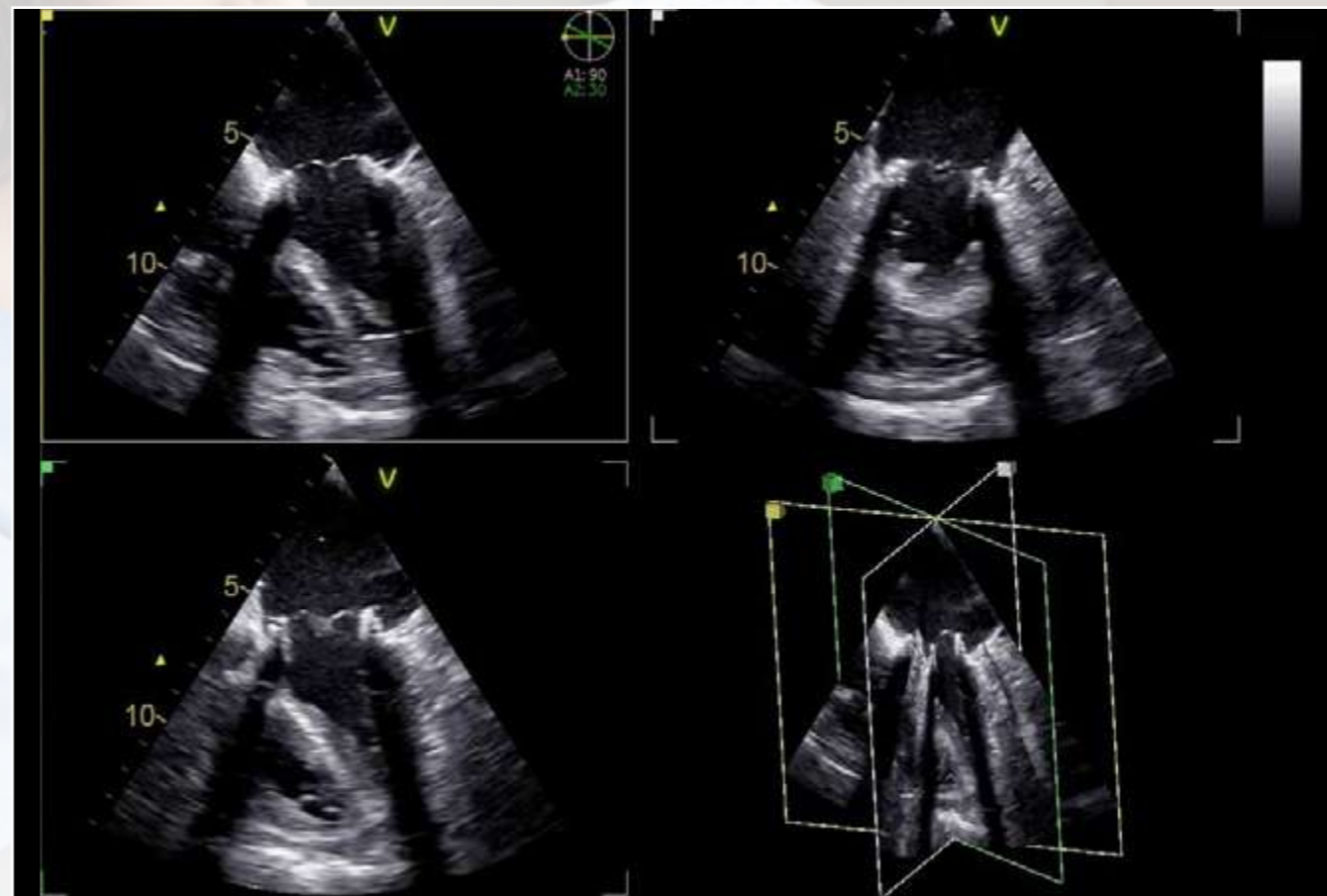
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MDI Multidimensional Imaging with Bi/Tri-plane⁵ (with 6VT-D probe) – First introduced by GE Healthcare – saves you time by imaging three planes from the same heartbeat, with high temporal and spatial resolution.

Interventional Cardiology

Positive interventional outcomes begin with detailed imaging. With Vivid *iq*, accurate and actionable answers about your patients' anatomy and function are always close at hand.

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Vivid *iq* makes TEE's crucial insights into heart function accessible without compromising productivity.

- ▶ 4D TEE
- ▶ 2D TEE
- ▶ Intra Cardiac Echo (ICE)³
- ▶ Multi-Dimensional Mode⁵ (with 6VT-D probe)



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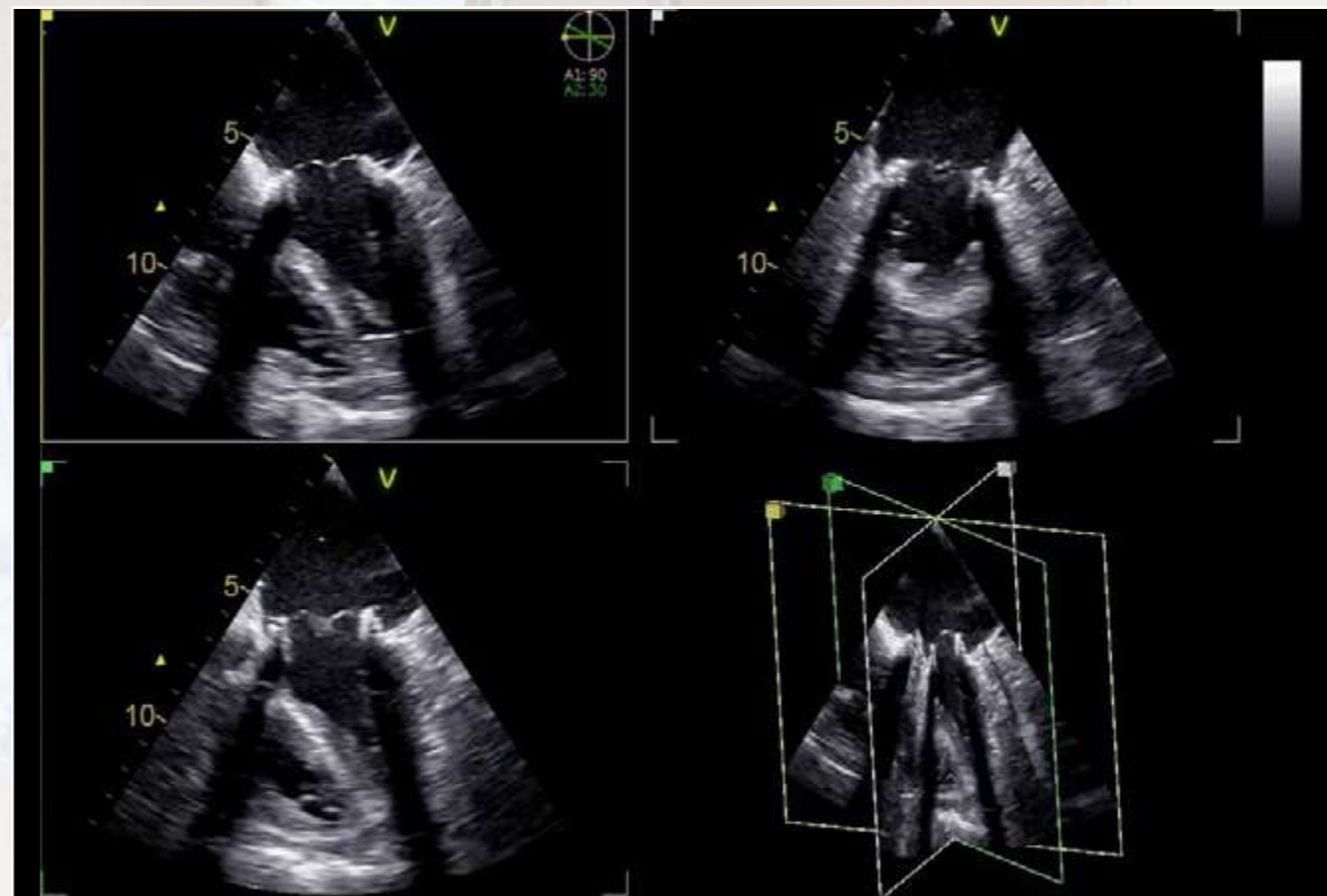
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4D TEE – Tri-plane – First introduced by GE Healthcare – saves you time by imaging three planes from the same heartbeat, with high temporal and spatial resolution.

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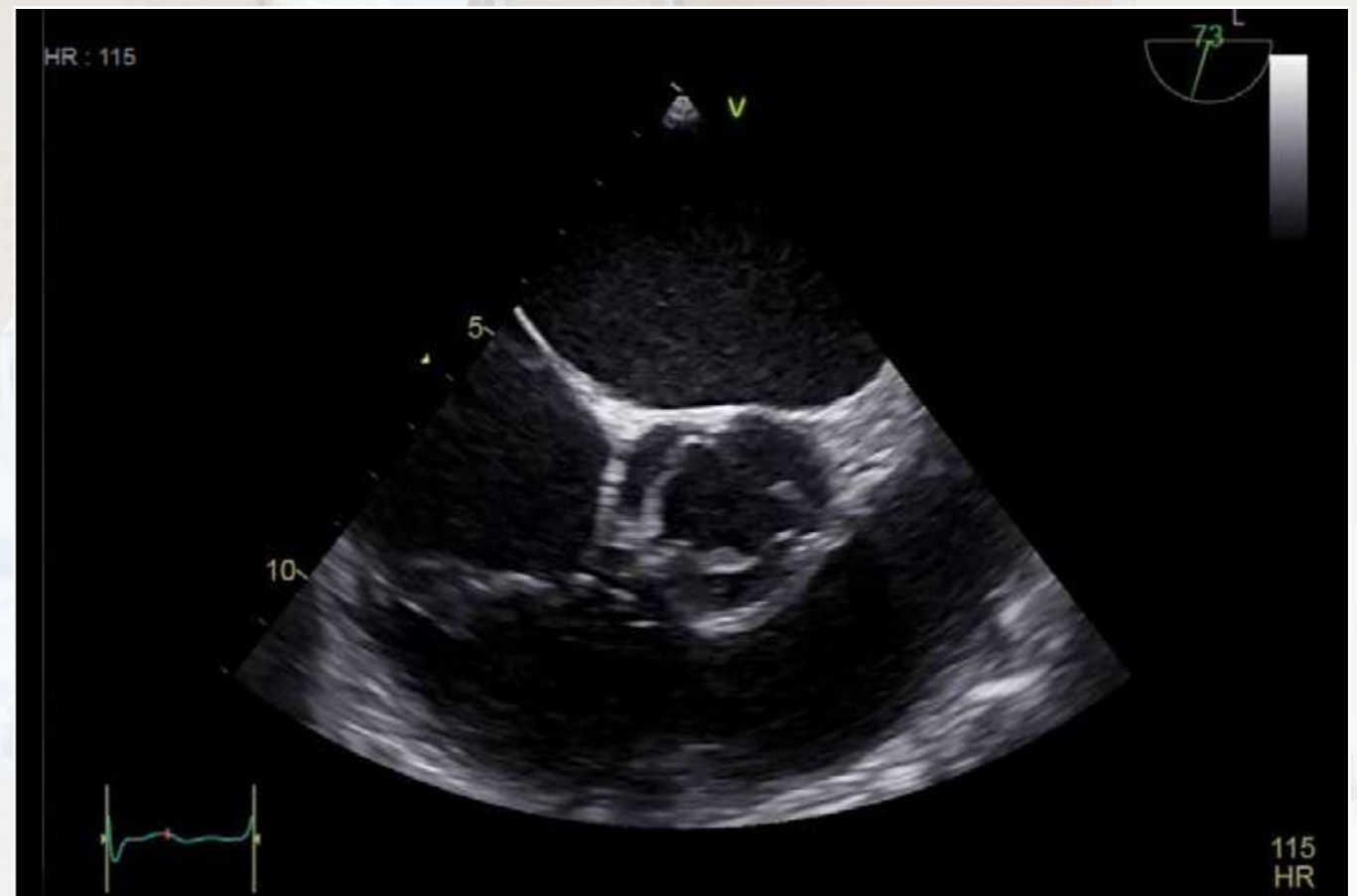
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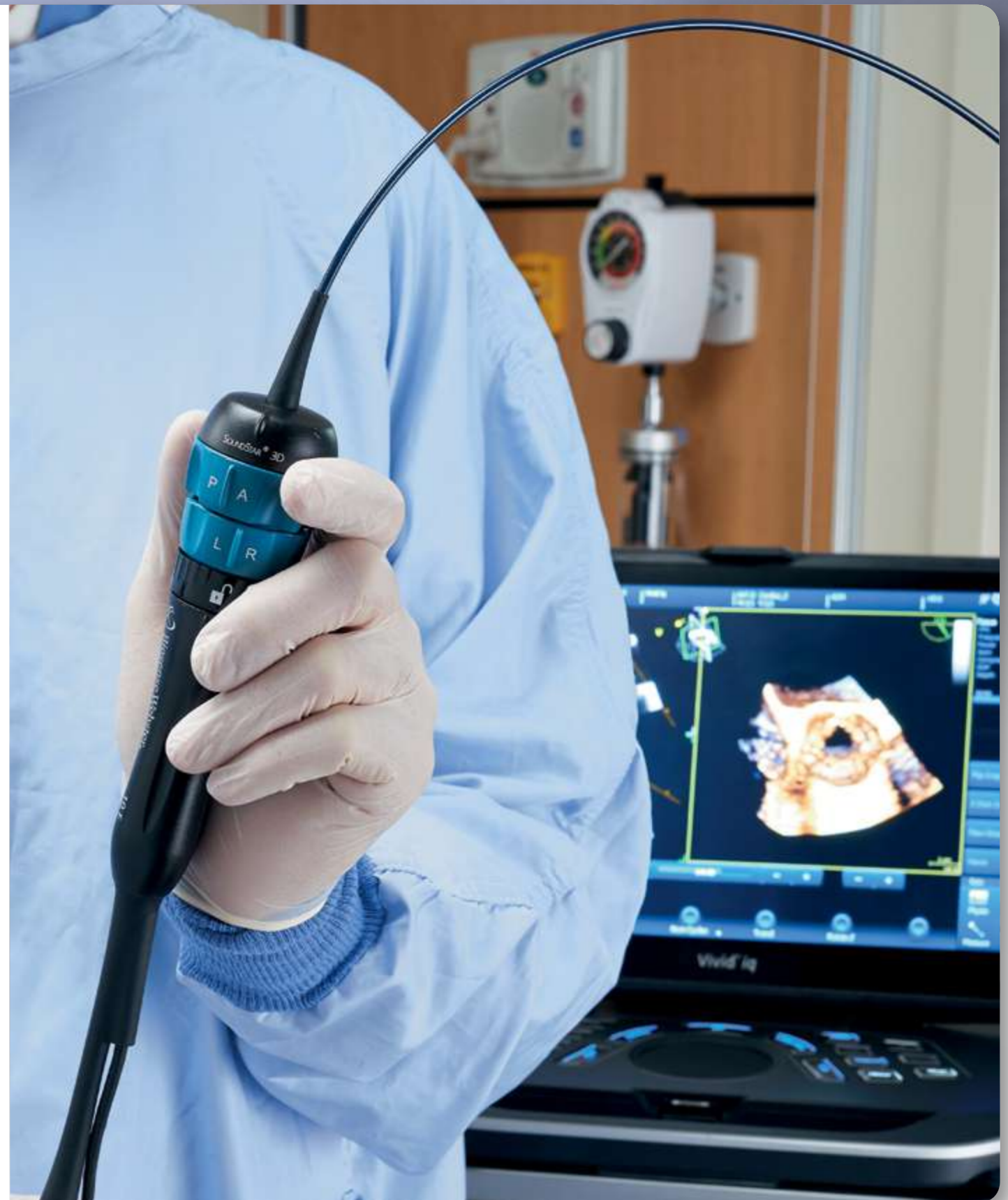
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- ▶ 2D TEE
- ▶ Intra Cardiac Echo (ICE)³–
Vivid *iq* combines exceptional image detail with ICE technology using the catheter cable to connect to the catheter, strengthening real-time monitoring and guidance during procedures.
- ▶ Multi-Dimensional Mode⁵ (with 6VT-D probe)



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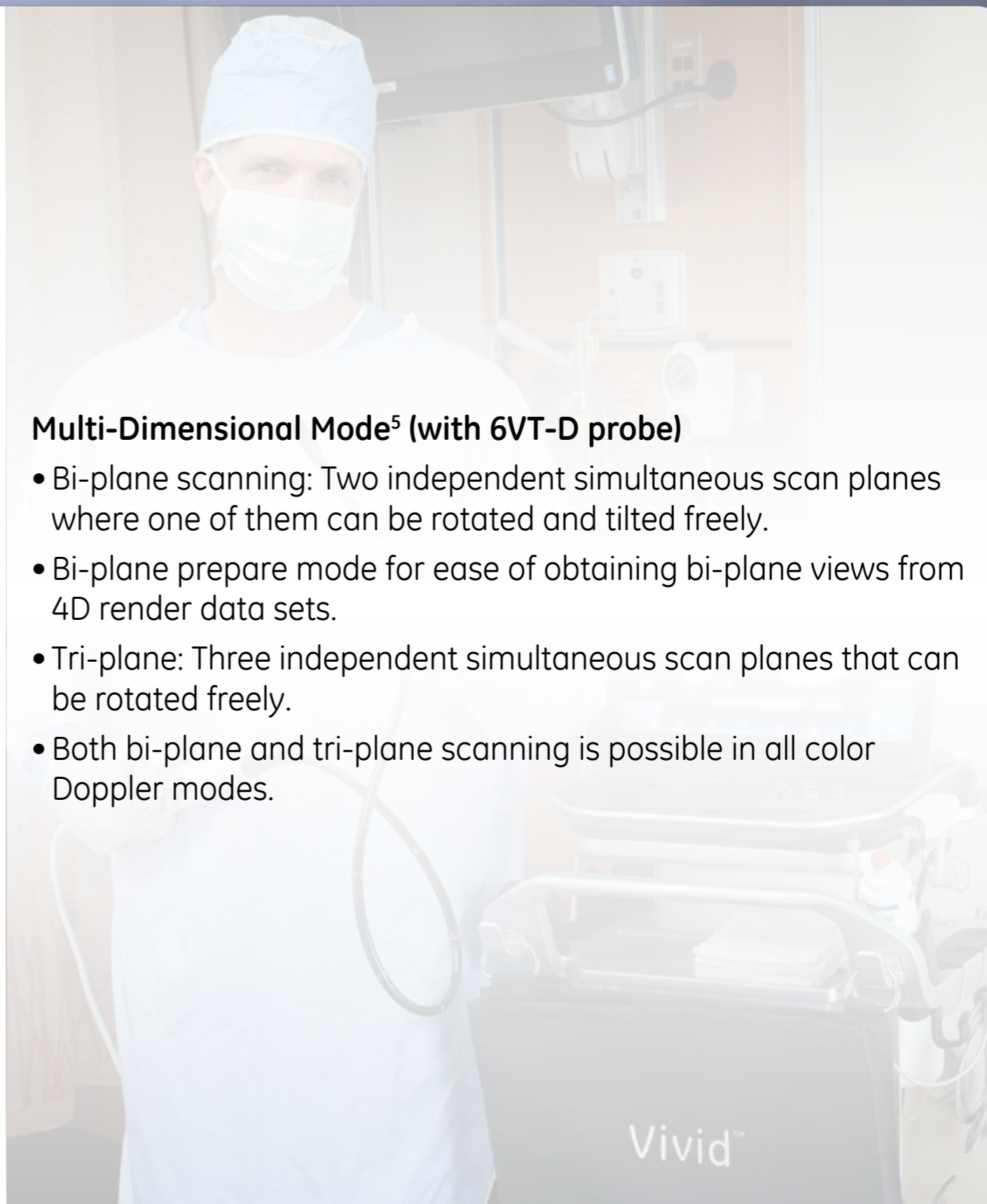
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Multi-Dimensional Mode⁵ (with 6VT-D probe)

- Bi-plane scanning: Two independent simultaneous scan planes where one of them can be rotated and tilted freely.
- Bi-plane prepare mode for ease of obtaining bi-plane views from 4D render data sets.
- Tri-plane: Three independent simultaneous scan planes that can be rotated freely.
- Both bi-plane and tri-plane scanning is possible in all color Doppler modes.



ICU/CCU

Physicians expect exceptional imaging and performance during portables in critical care settings. Patients deserve excellent care, therefore we delivered a product that can help meet the needs within the ICU and CCU with its small footprint, allowing for minimal space. With today's increasing patient volumes, you can count on Vivid iq¹ to help you adapt to new challenges with the combination of power and portability to help you achieve the speed and quality in the critical care environment meeting the demands necessary to treat critical patients.

TTE

You don't have to sacrifice exceptional image quality for the convenience of a compact system.



Pediatrics

Small structures and fast heartbeats present unique challenges to imaging. Vivid *iq* helps you make quick, confident diagnoses for a wide range of pediatric and neonatal patients and their families. With two dedicated pediatric probes – 6S-RS and 12S-RS – Vivid *iq* covers neonates to children.

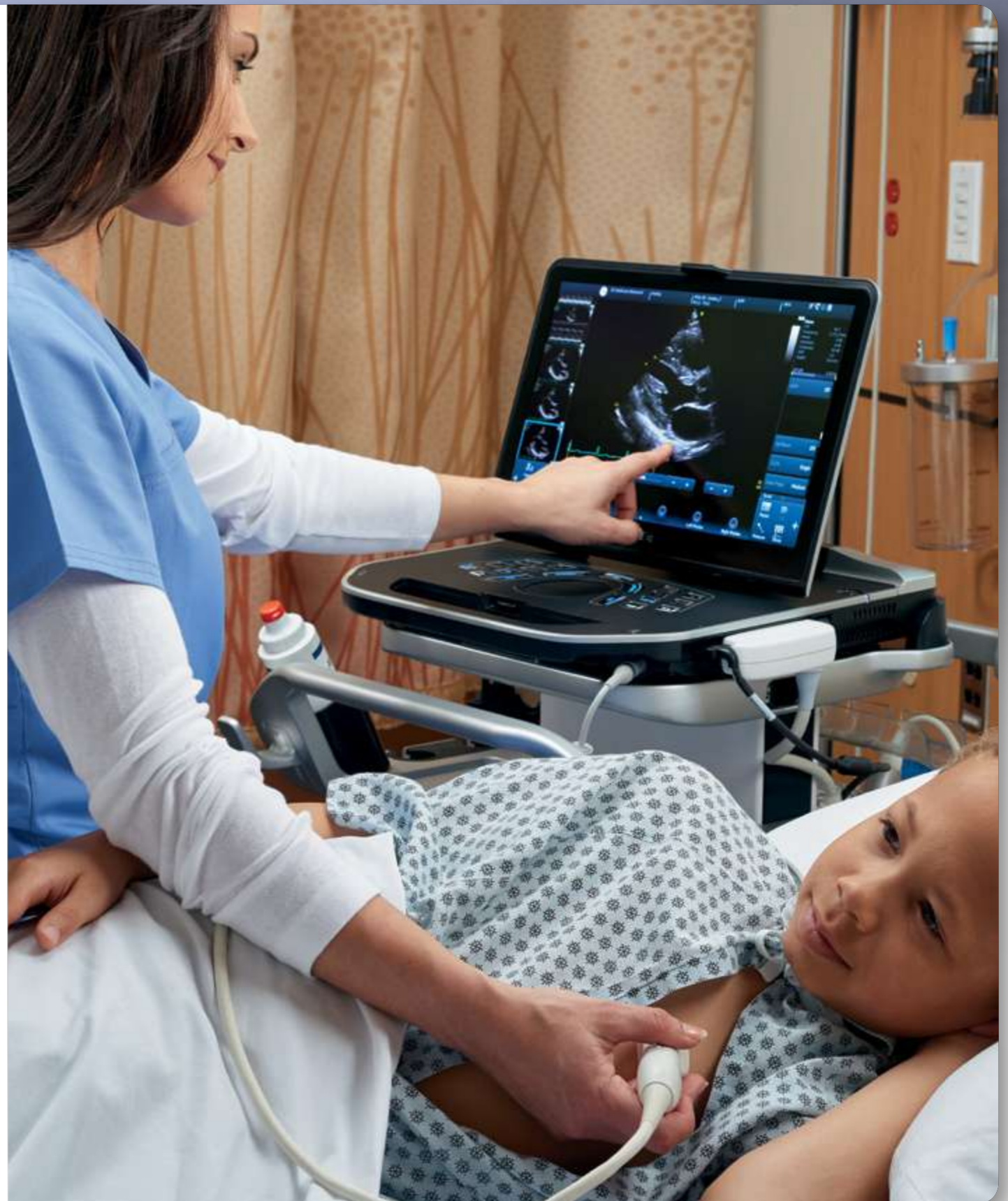
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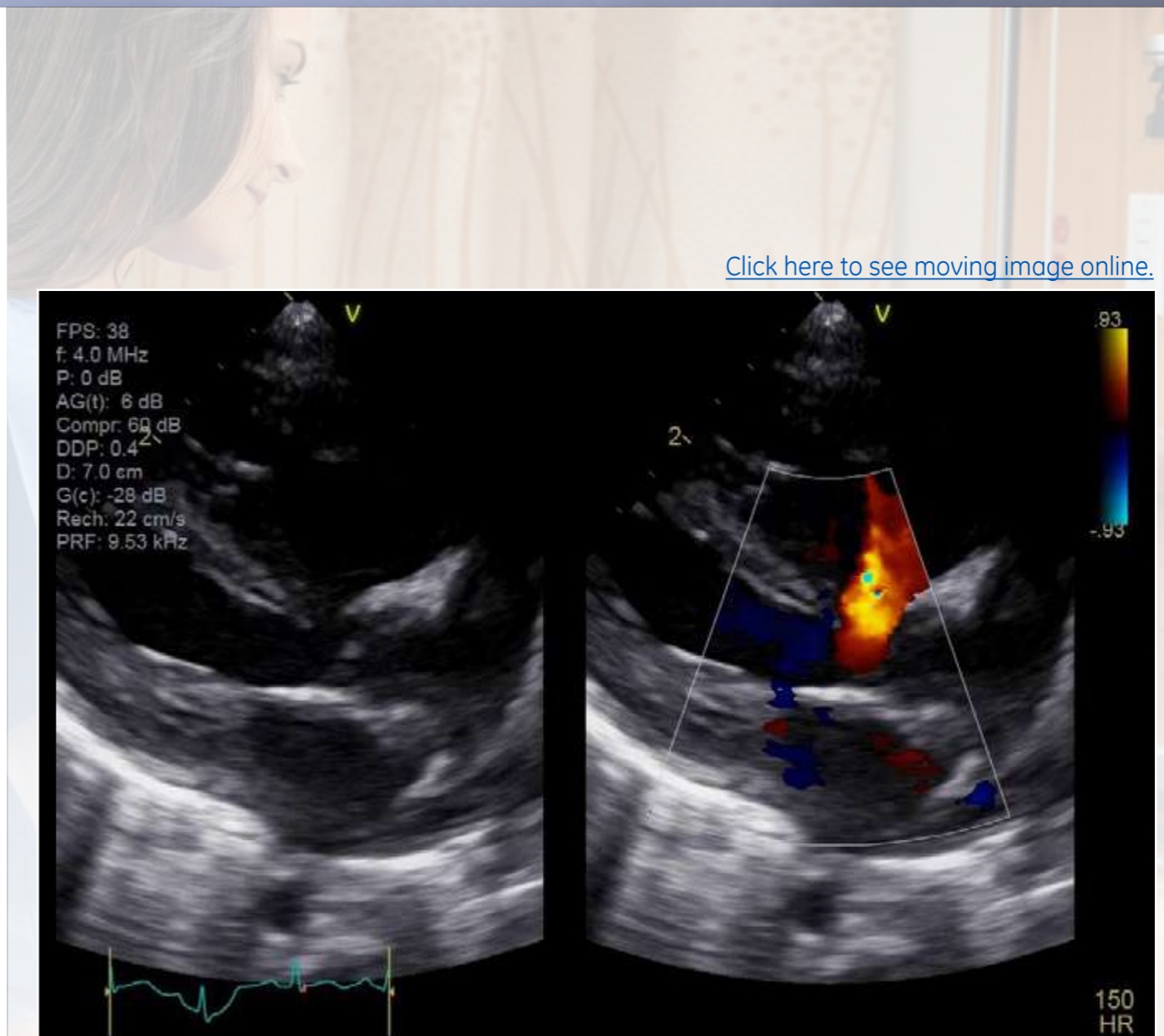
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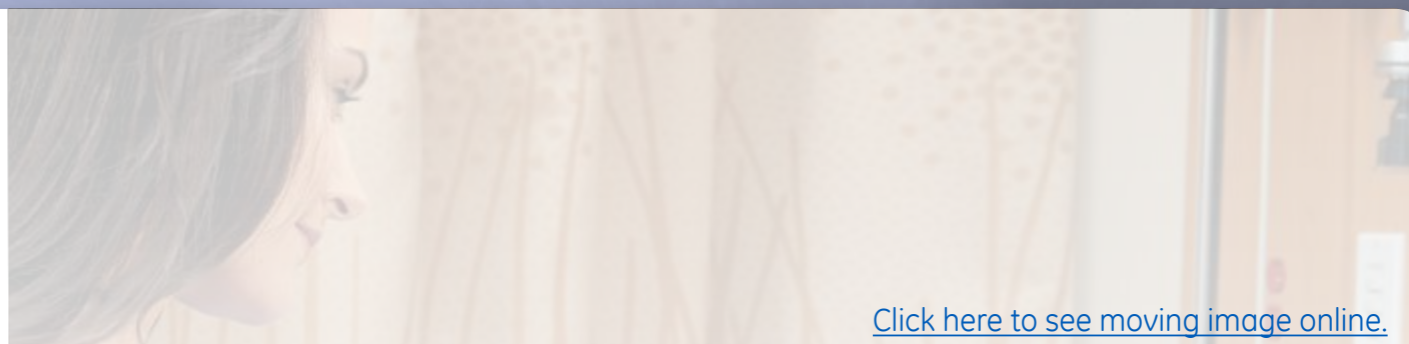
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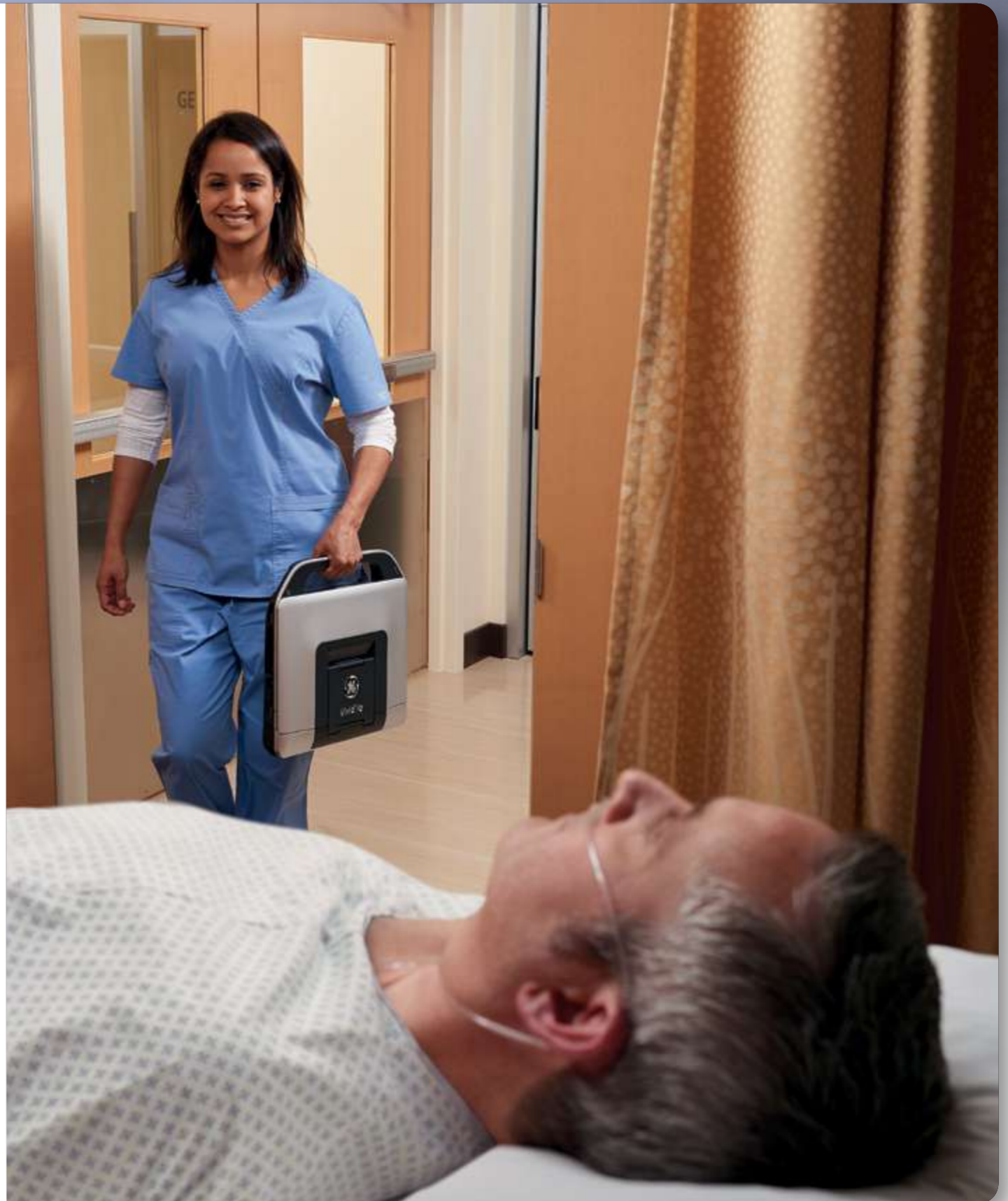


Virtual Apex – Phased array probes provide a wide field of view for enhanced visualization of structures at the sides of the sector.

Shared Services

Shared services pose a wide variety of patient challenges. Manage them all with the help of definitive diagnostic insights via Vivid *iq*, in areas including vascular, abdominal, OB/GYN and small-parts applications.

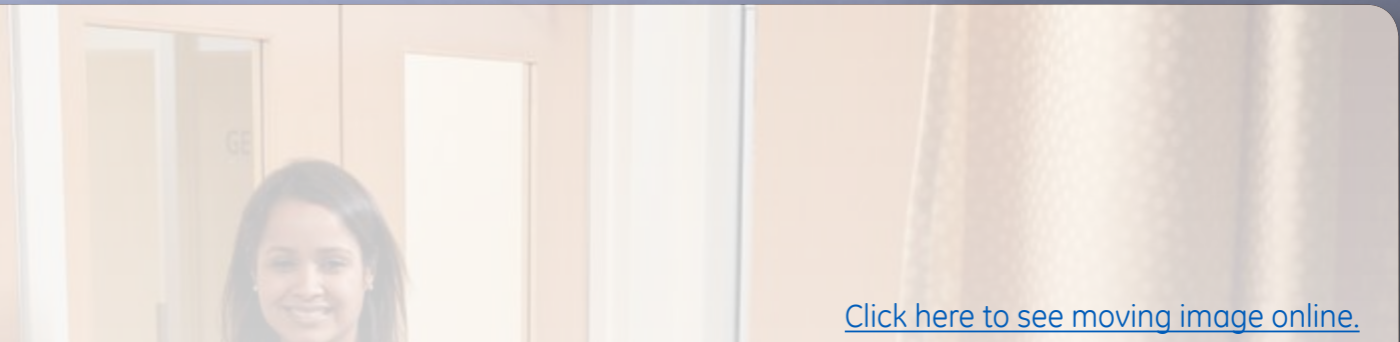
- ▶ Virtual Convex
- ▶ B-Flow
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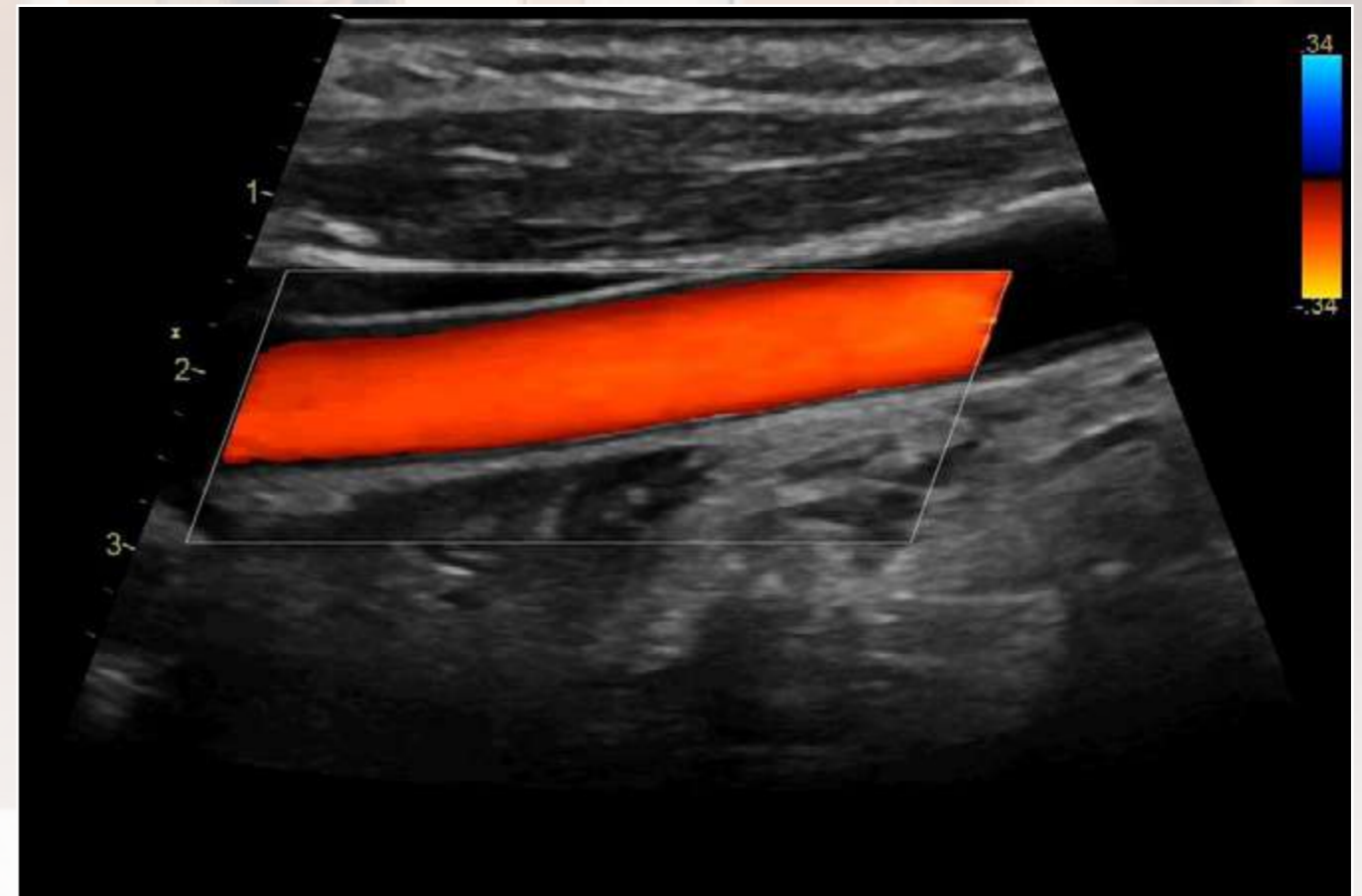
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Virtual Convex – Extends the field of view when using linear transducers.

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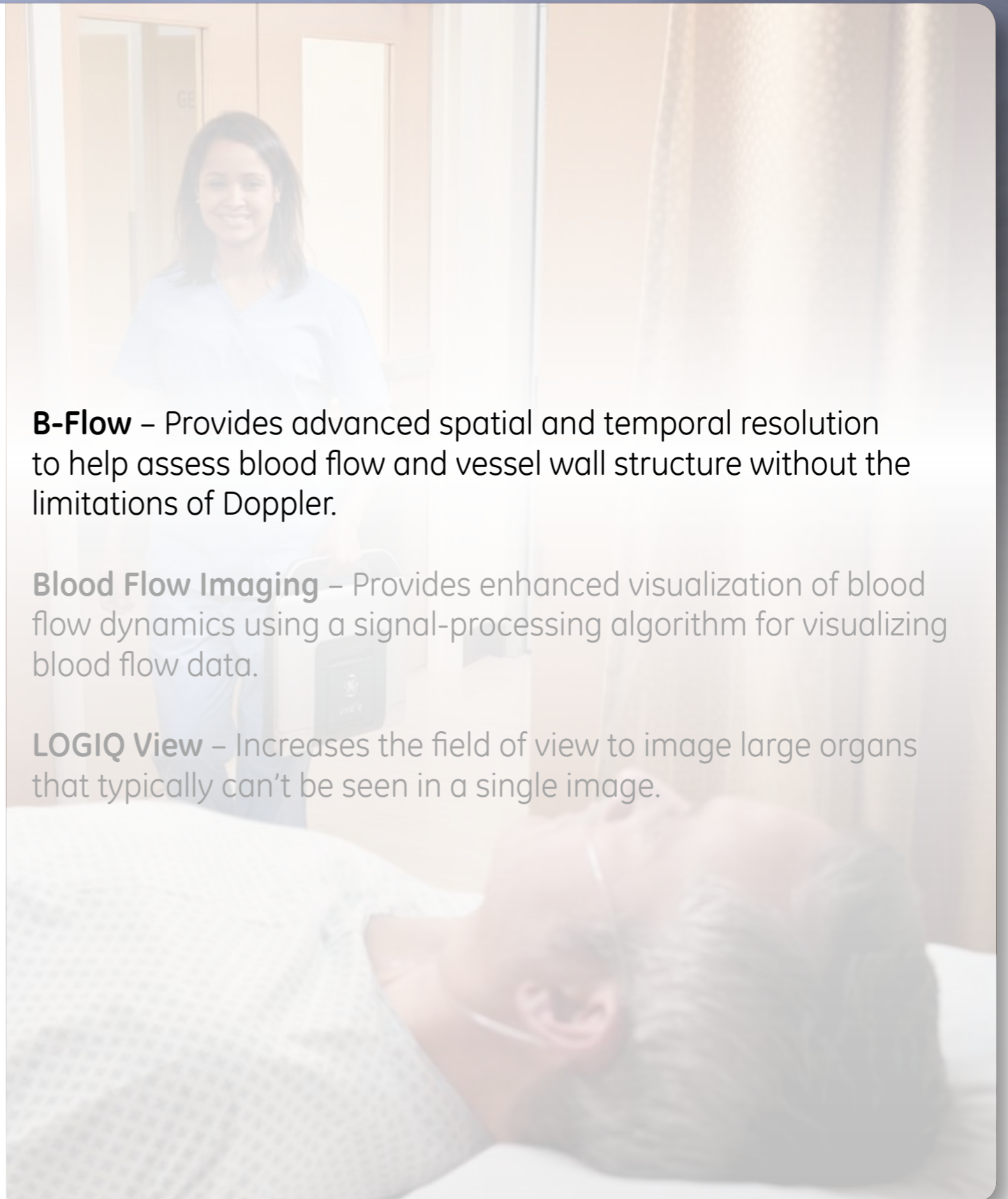
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B-Flow – Provides advanced spatial and temporal resolution to help assess blood flow and vessel wall structure without the limitations of Doppler.

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

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



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⁴ GE Healthcare's Vivid *iq* is designed for compatibility with commercially available contrast agents. Because the availability of these agents is subject to government regulation and approval, product features intended for use with these agents may not be commercially marketed nor made available before the contrast agent is approved for use. Advanced contrast features are only enabled on systems for delivery in countries or regions where the agents are approved for use or for investigational or research use.

⁵ Standard on 4D. Optional on Premium



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Exploration Made Easy

Quantification with Vivid *iq*¹ is all about helping you evaluate problems and pursue the path forward. Take advantage of a full suite of simple, intuitive tools to make your work easy and efficient.

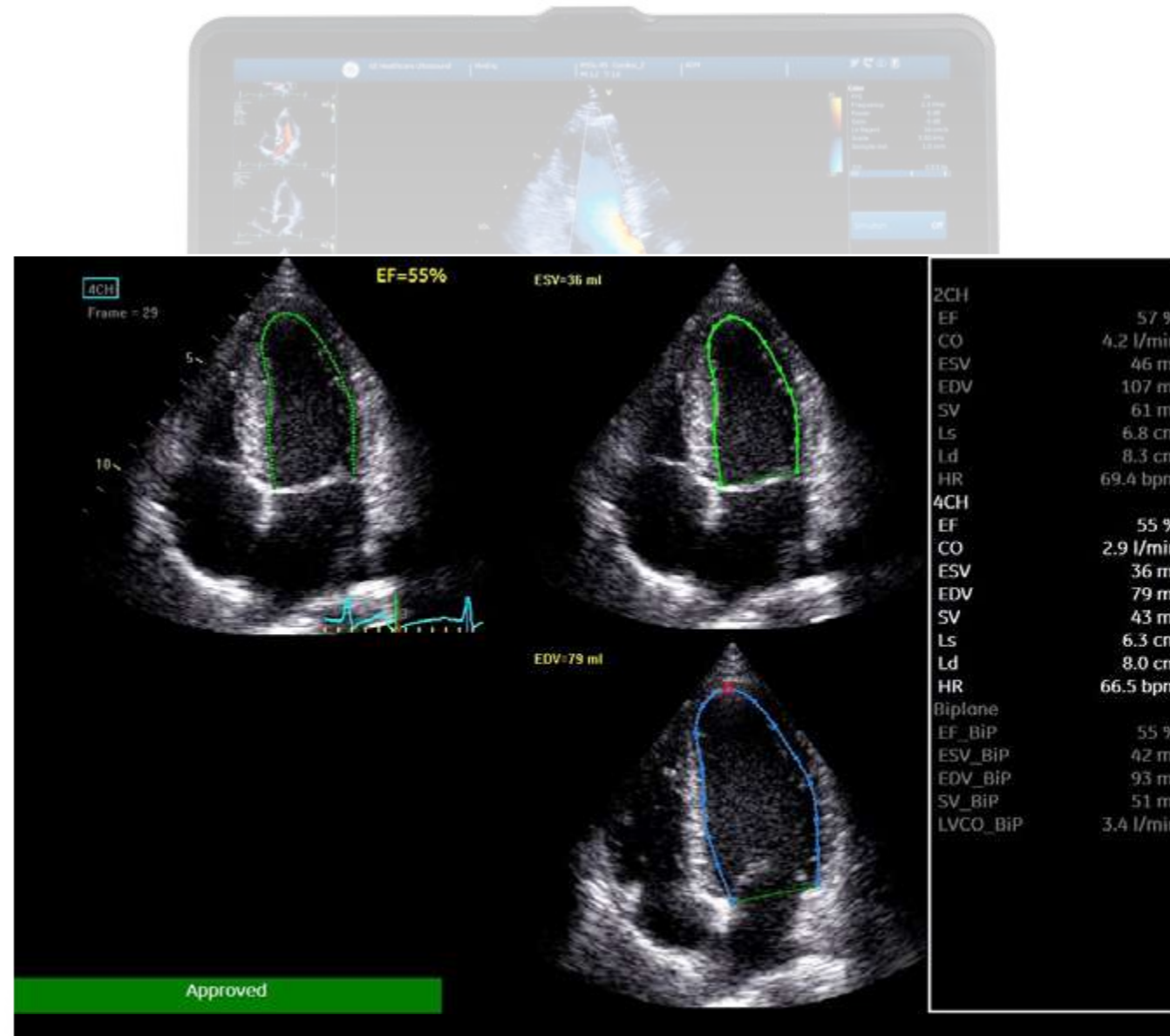
- ▶ AutoEF⁶
- ▶ Automated Function Imaging (AFI)⁶
- ▶ Intima-Media Thickness (IMT)⁶
- ▶ Anatomical M-Mode
- ▶ 4D Auto AVQ^{6,7}
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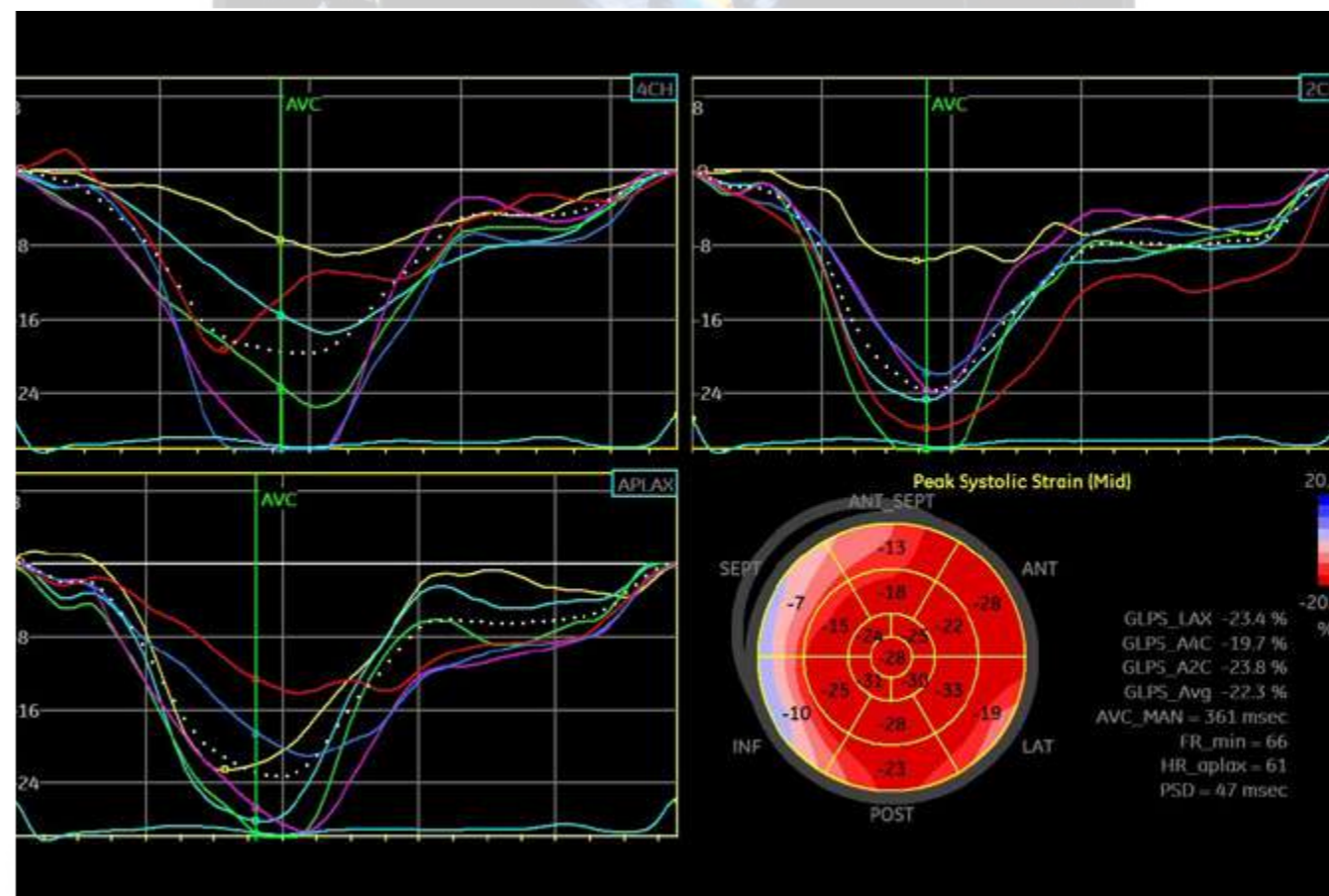
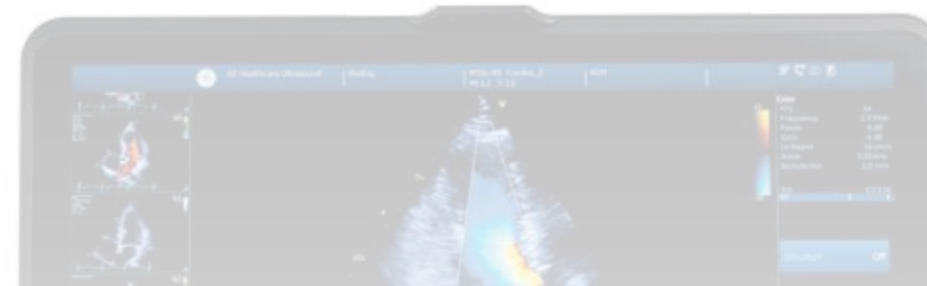


AutoEF⁶ – Automatically assesses left ventricular ejection fraction using an automated, speckle-tracking ROI tool.

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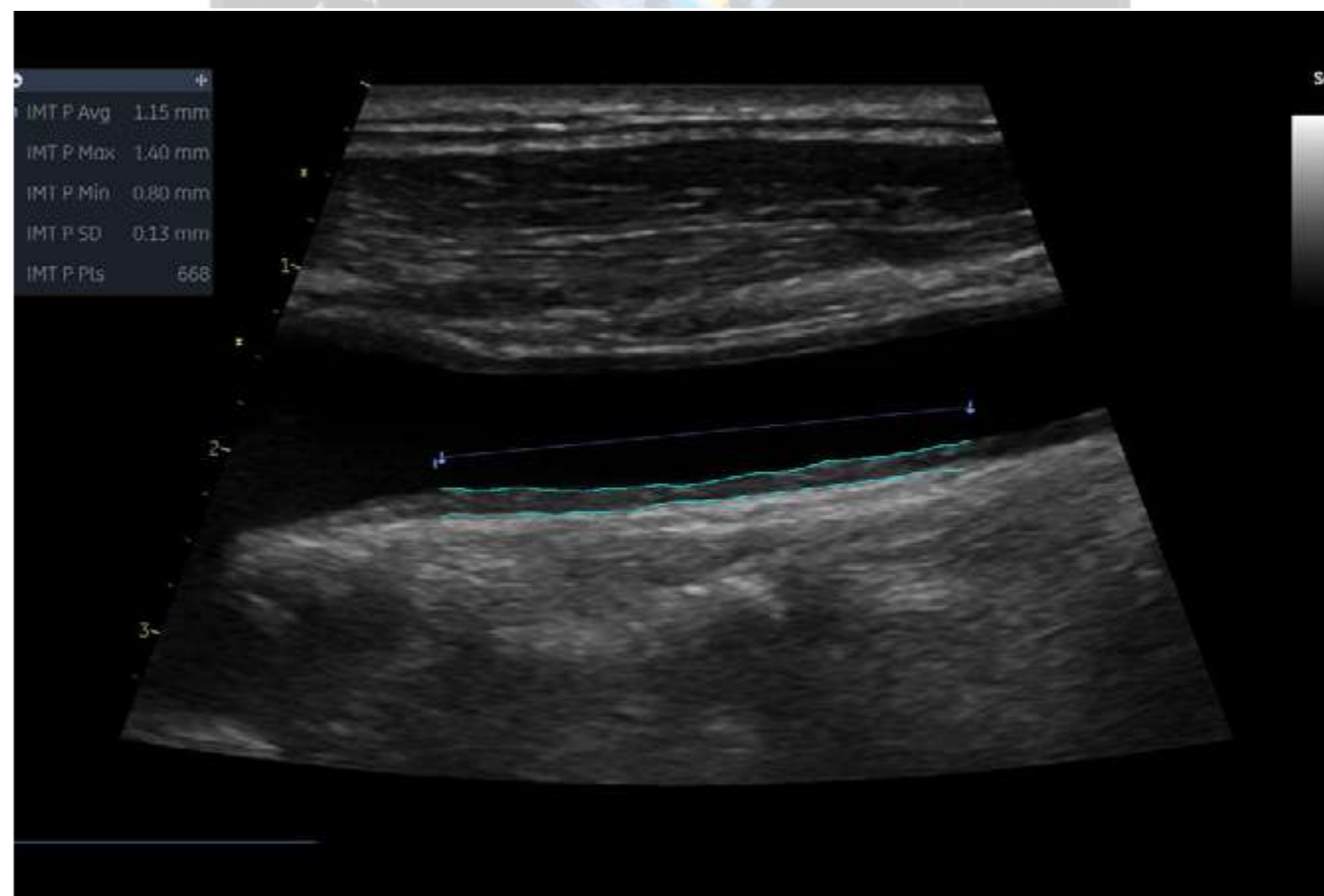


Automated Function Imaging (AFI)⁶ – Assesses and quantifies left ventricle longitudinal wall contraction (both segmental and global) using speckle tracking technology. Presents the complete left ventricle with all segments in one quick, comprehensive bull's-eye view.

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Intima-Media Thickness (IMT)⁶ – Provides automatic edge detection and auto-completes required measurements.

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Anatomical M-Mode – Helps you make on-axis measurements, even in nonstandard planes, and also supports the LV wall-motion assessment in apical views. Apply on 2D loops in live mode, digital replay and images from archive.

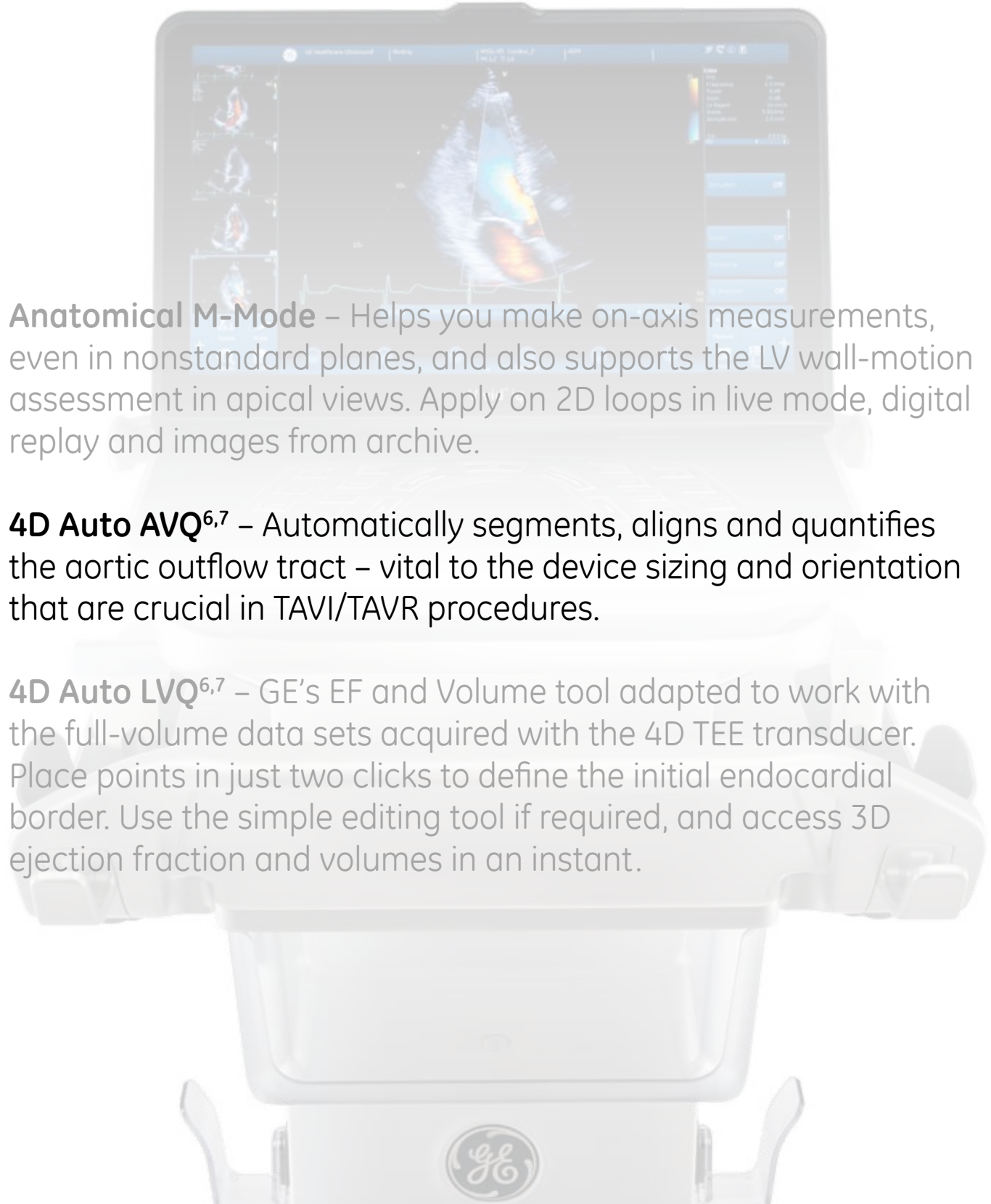
4D Auto AVQ^{6,7} – Automatically segments, aligns and quantifies the aortic outflow tract – vital to the device sizing and orientation that are crucial in TAVI/TAVR procedures.

4D Auto LVQ^{6,7} – GE's EF and Volume tool adapted to work with the full-volume data sets acquired with the 4D TEE transducer. Place points in just two clicks to define the initial endocardial border. Use the simple editing tool if required, and access 3D ejection fraction and volumes in an instant.

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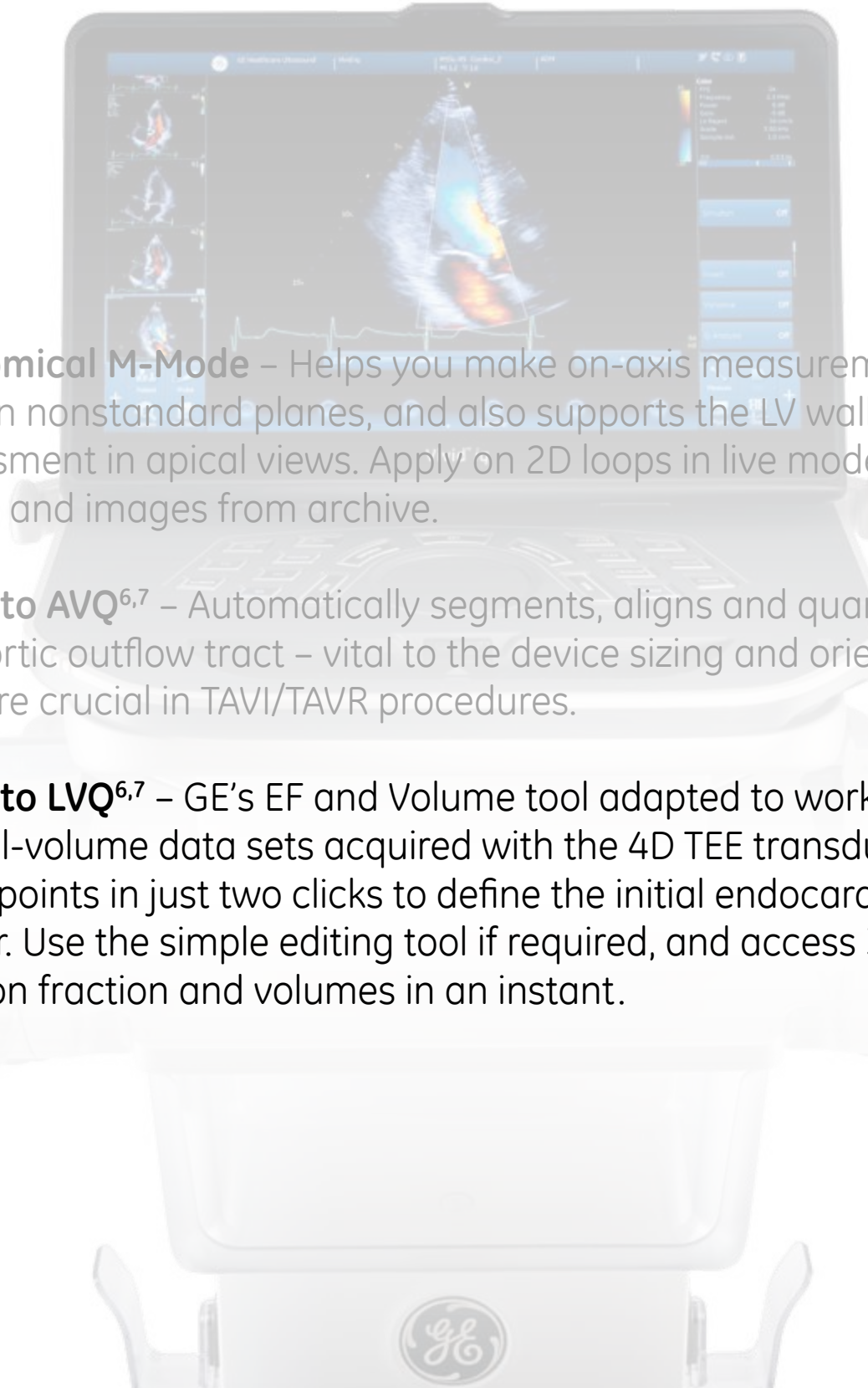
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⁶ Optional

⁷ 4D configuration

DICOM is the registered trademark of the National Electrical Manufacturers Association for its standards publications relating to digital communications of medical information.

Outlook is a registered trademark of Microsoft Corporation.

In Touch with Your Day

Tap into the smooth user experience you expect from Vivid ultrasound, enhanced to make your work easier with automated functions as well as touchscreen features similar to those you're accustomed to on your own smart devices.

Touch Interface

- Improved keystrokes
- Intuitive keyboard
- ▶ Tablet-like gestures – tap, pinch, zoom

TTE

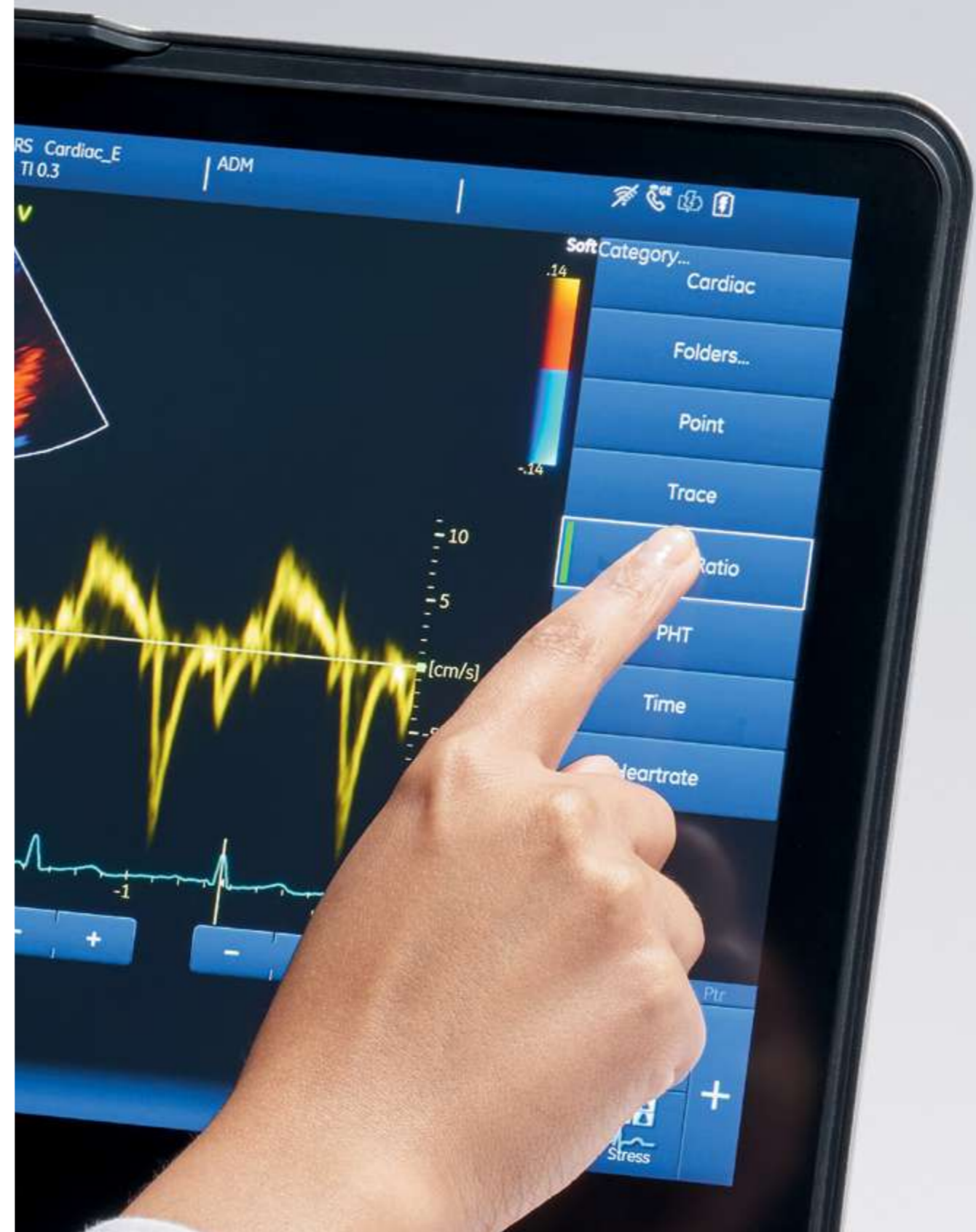
Convenient applications make fundamental exams fast and easy.

- ▶ Auto Gain
- ▶ Smart Stress

TEE

Save time while gaining crucial heart-function insights with an array of efficient tools.

- ▶ FlexiSlice⁷
- ▶ FlexiZoom⁷
- ▶ 2-Click Crop⁷



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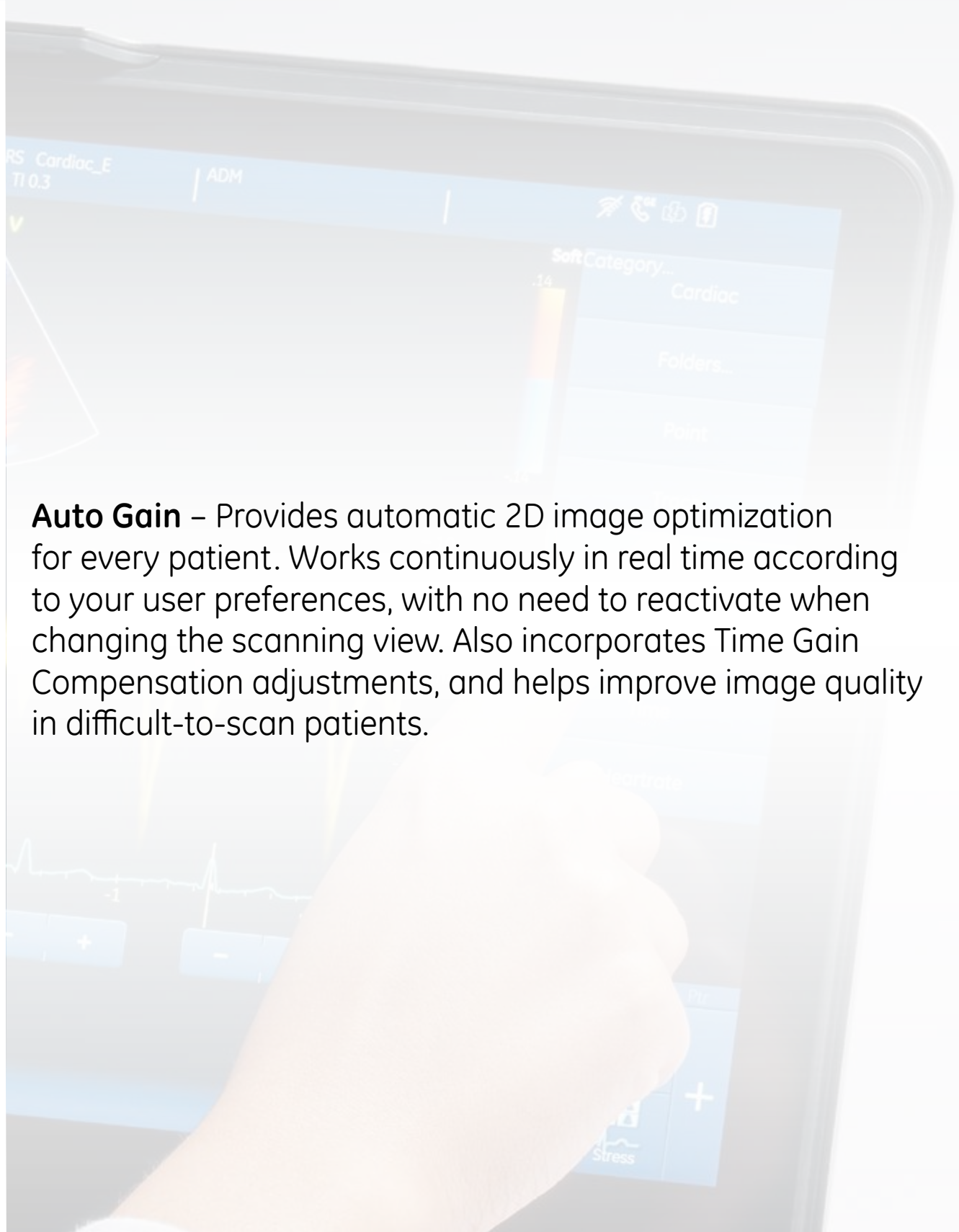
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Auto Gain – Provides automatic 2D image optimization for every patient. Works continuously in real time according to your user preferences, with no need to reactivate when changing the scanning view. Also incorporates Time Gain Compensation adjustments, and helps improve image quality in difficult-to-scan patients.

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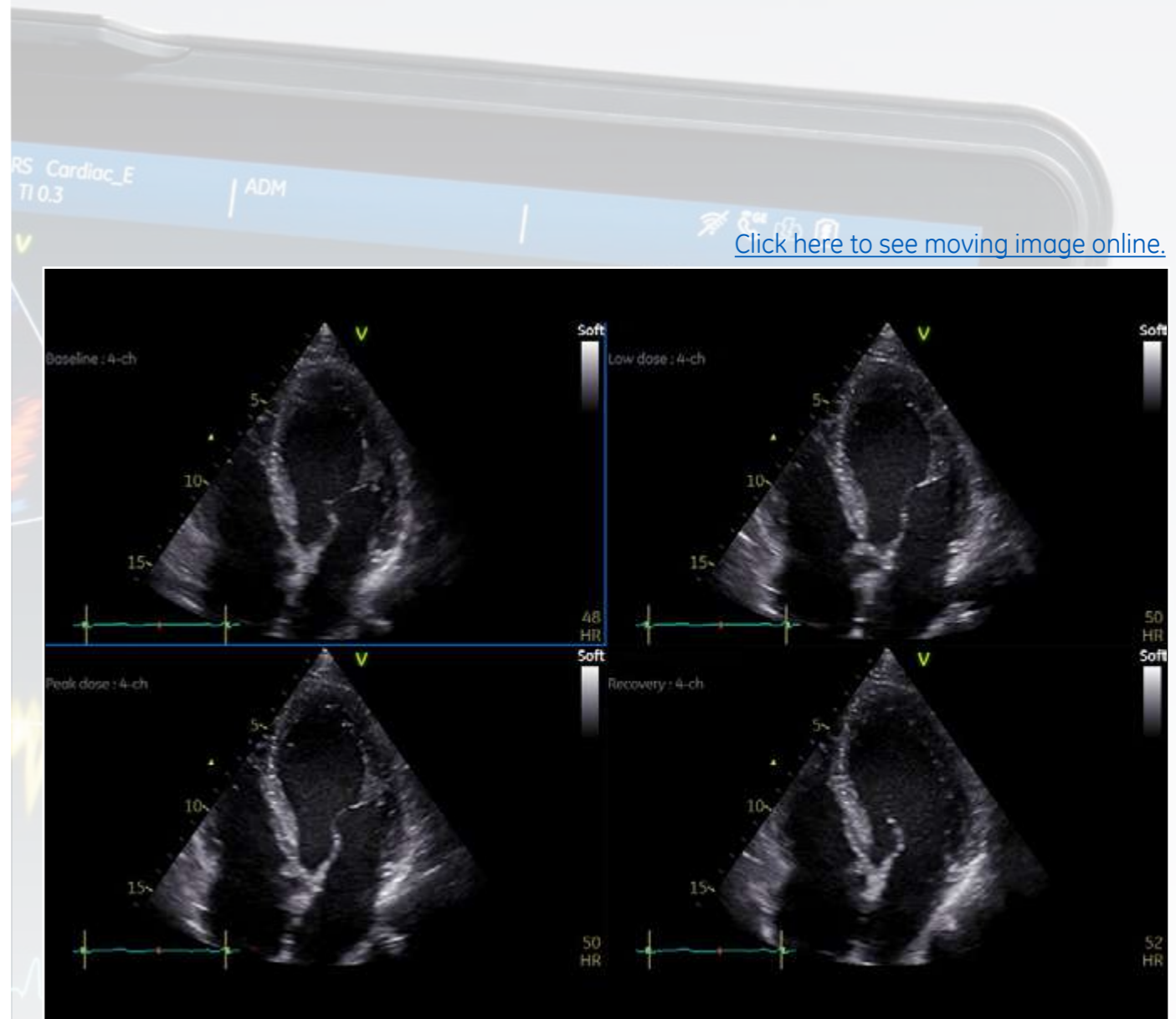
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Smart Stress – Pharmaceutical, treadmill and bicycle stress exam protocols, with user configurable templates and shuffle mode. Save over 17 imaging parameters for each imaging plane, and then recall them at each stress level to help reduce the need for system adjustments.

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Touch Interface

- Improved keystrokes
- Intuitive keyboard
- ▶ Tablet-like gestures – tap, pinch, zoom

TTE

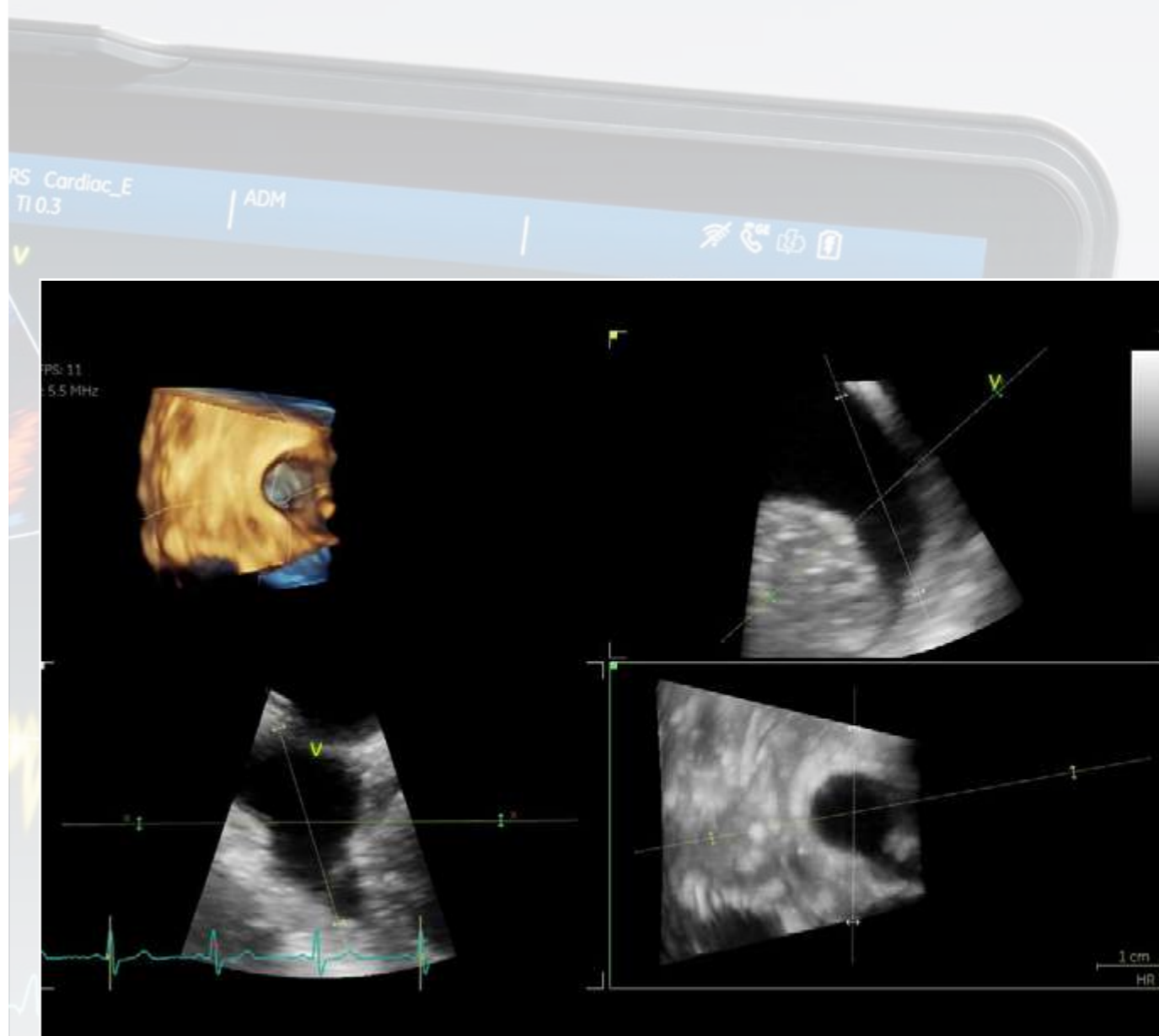
Convenient applications make fundamental exams fast and easy.

- ▶ Auto Gain
- ▶ Smart Stress

TEE

Save time while gaining crucial heart-function insights with an array of efficient tools.

- ▶ FlexiSlice⁷
- ▶ FlexiZoom⁷
- ▶ 2-Click Crop⁷



FlexiSlice⁷ – Extracting 2D slices from 4D volumes can be a complicated process. FlexiSlice is an intuitive, interactive tool for obtaining many 2D or rendered views in either live or replay mode.

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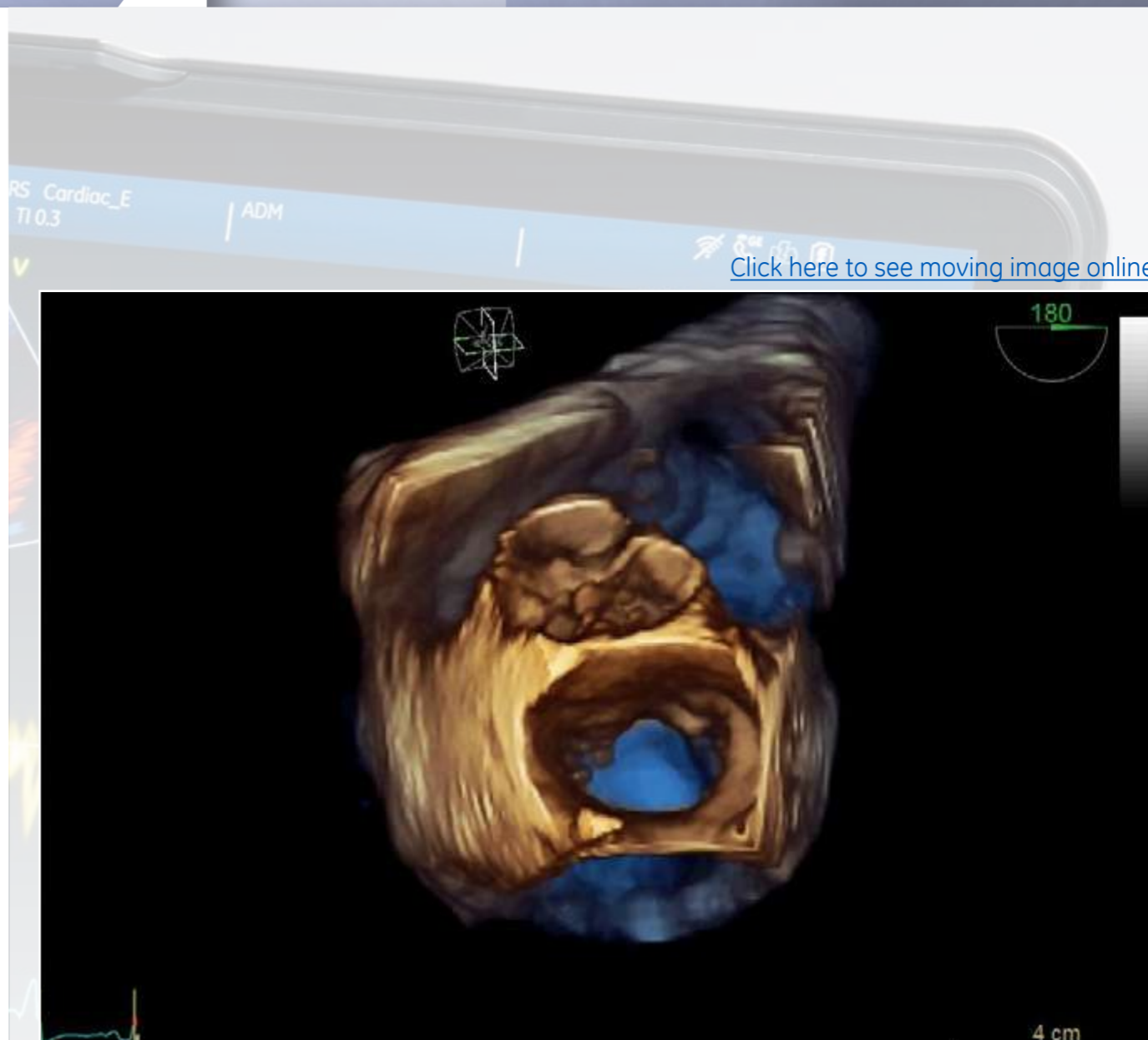
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FlexiZoom⁷ – Flexible, quick and easy visualization of the structures of interest. Provides quick, live access to main heart structures, with no need for further volume cropping or rotation.

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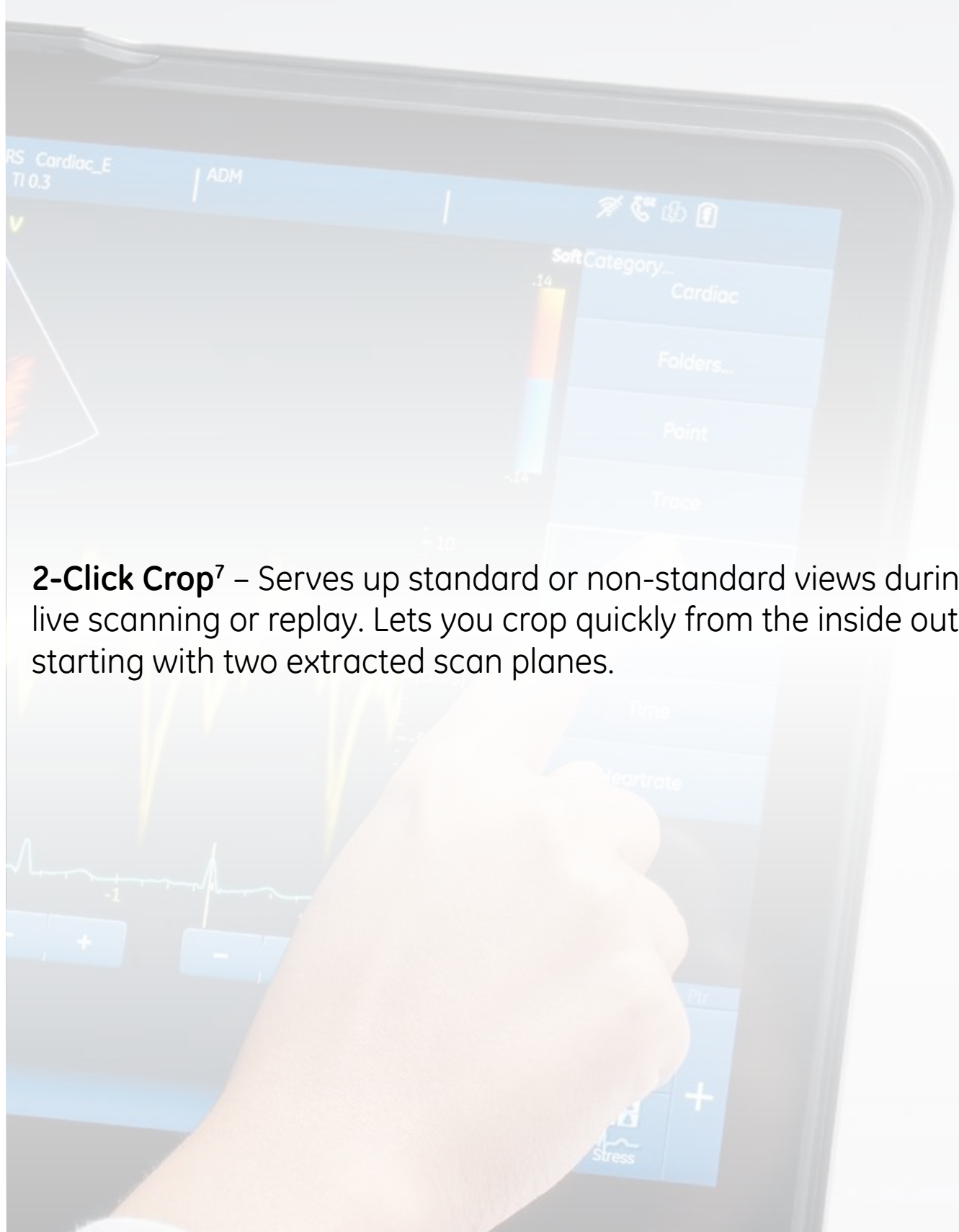
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2-Click Crop⁷ – Serves up standard or non-standard views during live scanning or replay. Lets you crop quickly from the inside out, starting with two extracted scan planes.

As Agile As You Need to Be

Vivid™ iq¹ is a compact, yet powerful cardiovascular ultrasound. Carry it under your arm or on your cart with a multi-connector for probes to wherever you need it ... from the echo lab to the OR ... from the hospital to a rural location.²

- ▶ Design
- ▶ Reliability
- ▶ Configurations



Design

▶ Console

▶ Cart

Lightweight

10% lighter
10% thinner
than the Vivid q

Closed design

allows cleaning with
disinfectant solutions
(Refer to User Manual)

Portable

up to 1-hour battery
(with full charge)



Design

▶ Console

▶ Cart

The newly designed cart was created to protect the console during transportation. The handles serve as “protectors” during transport, making it more robust and reliable. The cart rolls on specially designed casters, making it easy to move in many environments. The new cable management allows for several choices to manage cords with protection from protrusion, avoiding hang ups in surroundings. The cart also allows for a much better viewing angle with the increased height adjustments for scanning while standing or sitting.



4-probe port

Battery pack

(3 hours with full charge)
– Smart Standby

Reliability

The Vivid *iq*¹ was built to handle tough daily demands allowing you to focus on the patient and the ultrasound images during the exam. We are so confident in the reliability that we are offering multiyear service (regions may vary, please check with your local representative).² In the event your product needs attention, we offer a loaner program which reduces your down time.

[More](#) ▶



◀ [Back](#)

Reliability

We have designed the hard keys to have a sealed surface, allowing up to 10ml of body fluids to be spilled and cleaned up with a list of supported disinfectants. (see user manual). The new design has allowed for better probe insertion for more reliability and protection. We have also designed the ECG to fit under the probe area for better protection, allowing nothing to protrude from the sides. All of these new enhancements allow for better reliability and robustness.



Configurations

Choices to Match Many Challenges

Whether you're looking to Vivid *iq* as a primary or supplemental system, you'll find a configuration that fits the needs of your organization, your care teams and your patients.

▶ 1 Product. 3 Options.⁸

▶ Probes

1 Product. 3 Options.

Vivid *iq* 4D⁸
Vivid *iq* Premium⁸
Vivid *iq*



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▶ 1 Product. 3 Options.⁸

▶ Probes

Probes

16 + (5) ICE³
Compatible
Broad selection

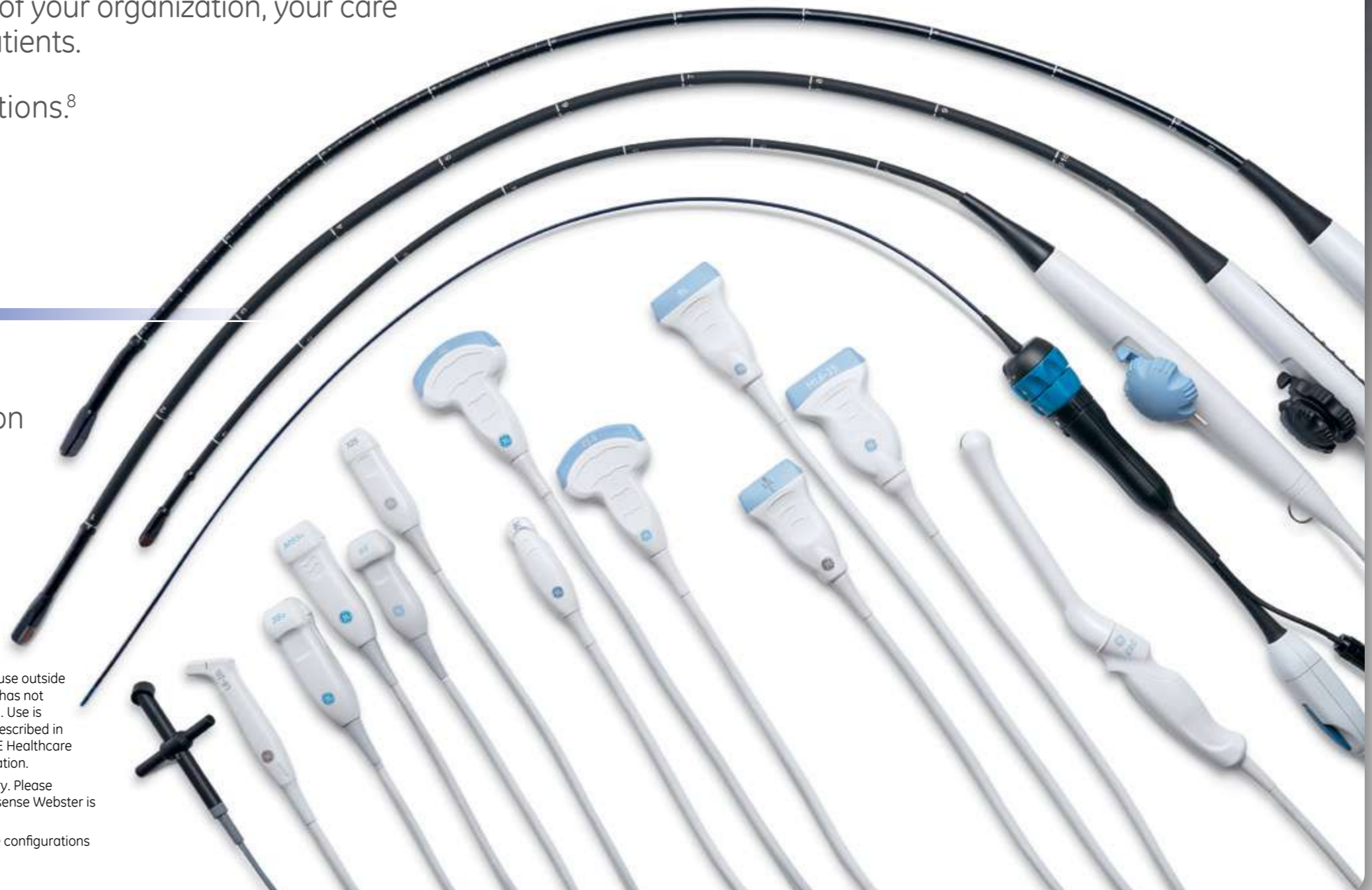
◀ Back

¹ Vivid *iq* is not available in all countries.

² The device has been verified for limited use outside of professional healthcare facilities and has not been evaluated for use during transport. Use is restricted to environmental properties described in the user manual; please contact your GE Healthcare sales representative for detailed information.

³ ICE catheter availability varies by country. Please contact Biosense Webster® directly. Biosense Webster is a trademark of Biosense Webster, Inc.

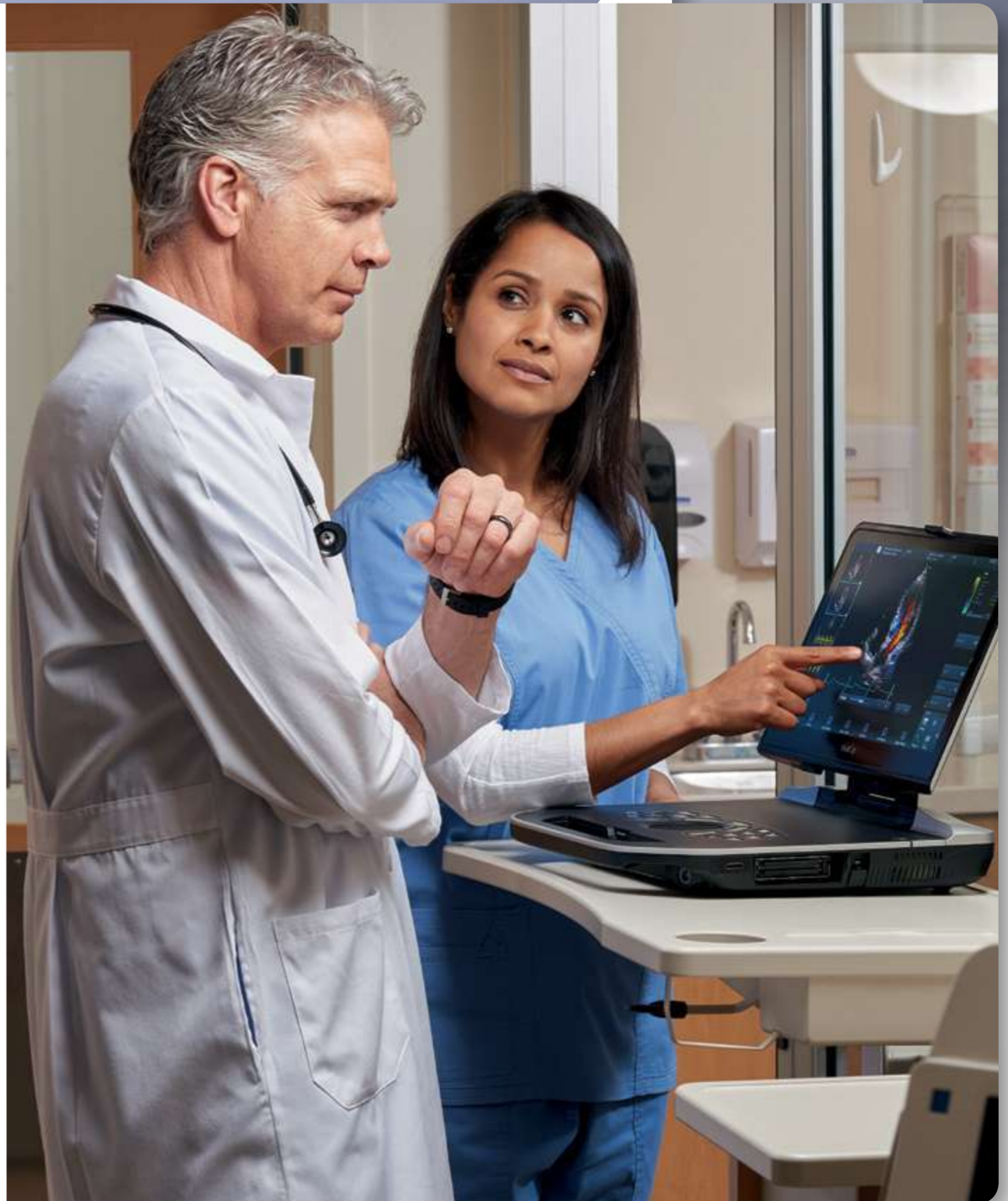
⁸ The Vivid *iq* Premium and Vivid *iq* 4D are configurations of the Vivid *iq* ultrasound system.



Empowering a Seamless, Networked Experience

Vivid *iq*¹ incorporates flexible options to help optimize data sharing, workflow and productivity on your network.

- ▶ Embedded DICOM[®] Media Viewer⁶
- ▶ MPEGVue and eVue⁶
- ▶ True Scan Raw Data
- ▶ ViewPoint[™] 6 With EchoPAC[™] Suite⁹
- ▶ Image and Measurement Transfer
- ▶ EchoPAC[™] Plug-in Post-Processing
- ▶ Image Management
- ▶ Reporting
- ▶ IT Integration



Empowering a Seamless, Networked Experience

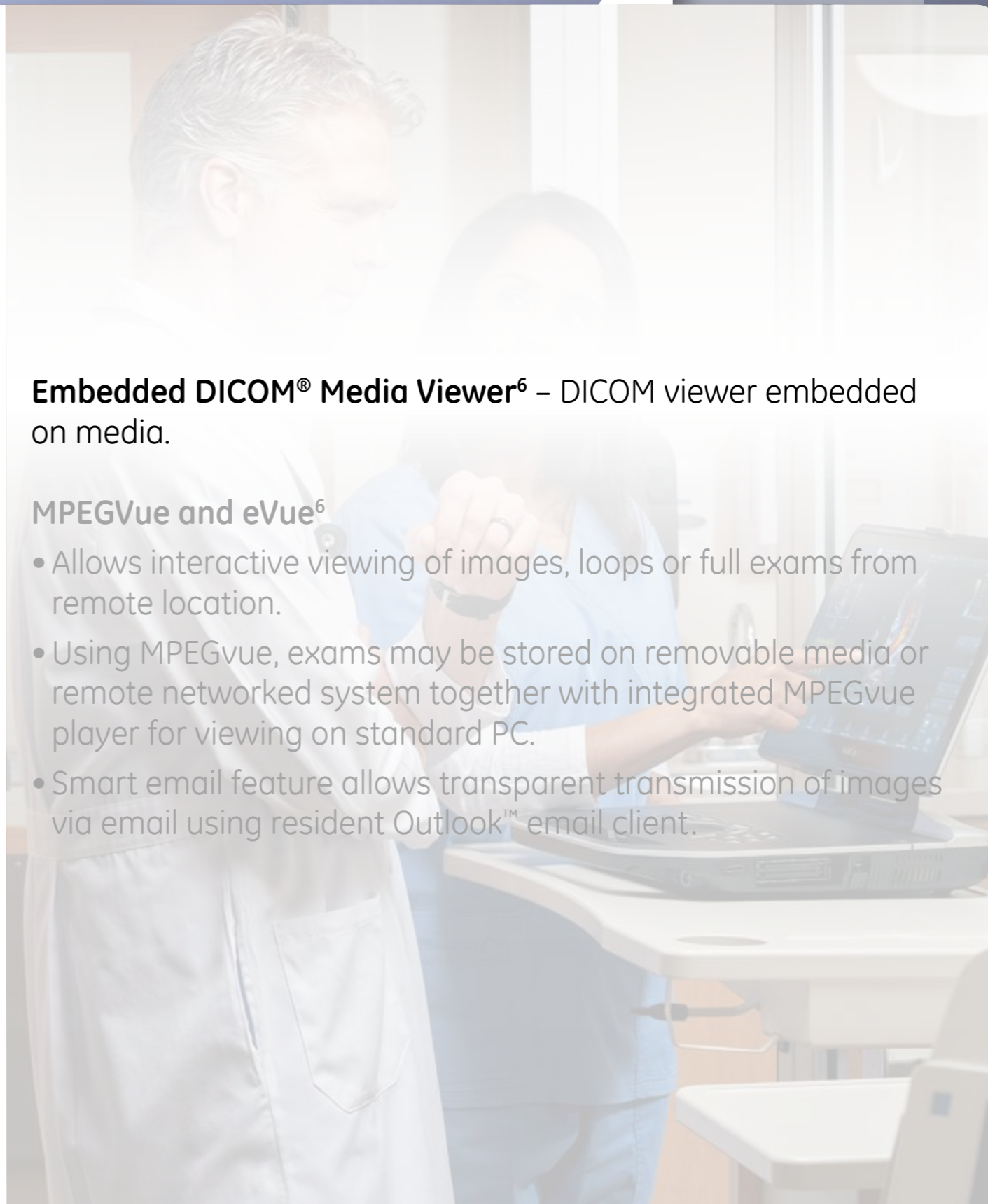
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Embedded DICOM[®] Media Viewer⁶ – DICOM viewer embedded on media.

MPEGVue and eVue⁶

- Allows interactive viewing of images, loops or full exams from remote location.
- Using MPEGvue, exams may be stored on removable media or remote networked system together with integrated MPEGvue player for viewing on standard PC.
- Smart email feature allows transparent transmission of images via email using resident Outlook[™] email client.



Empowering a Seamless, Networked Experience

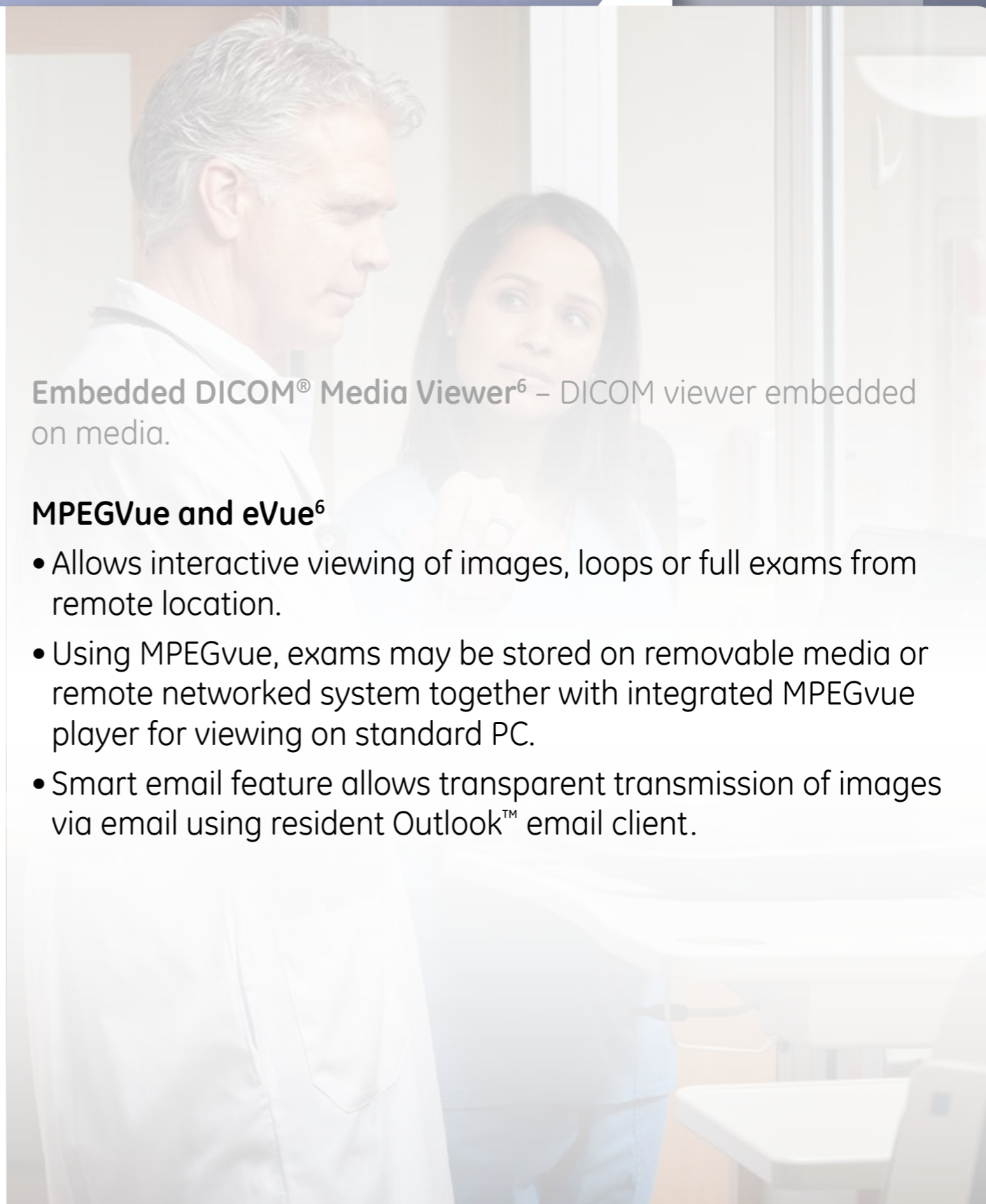
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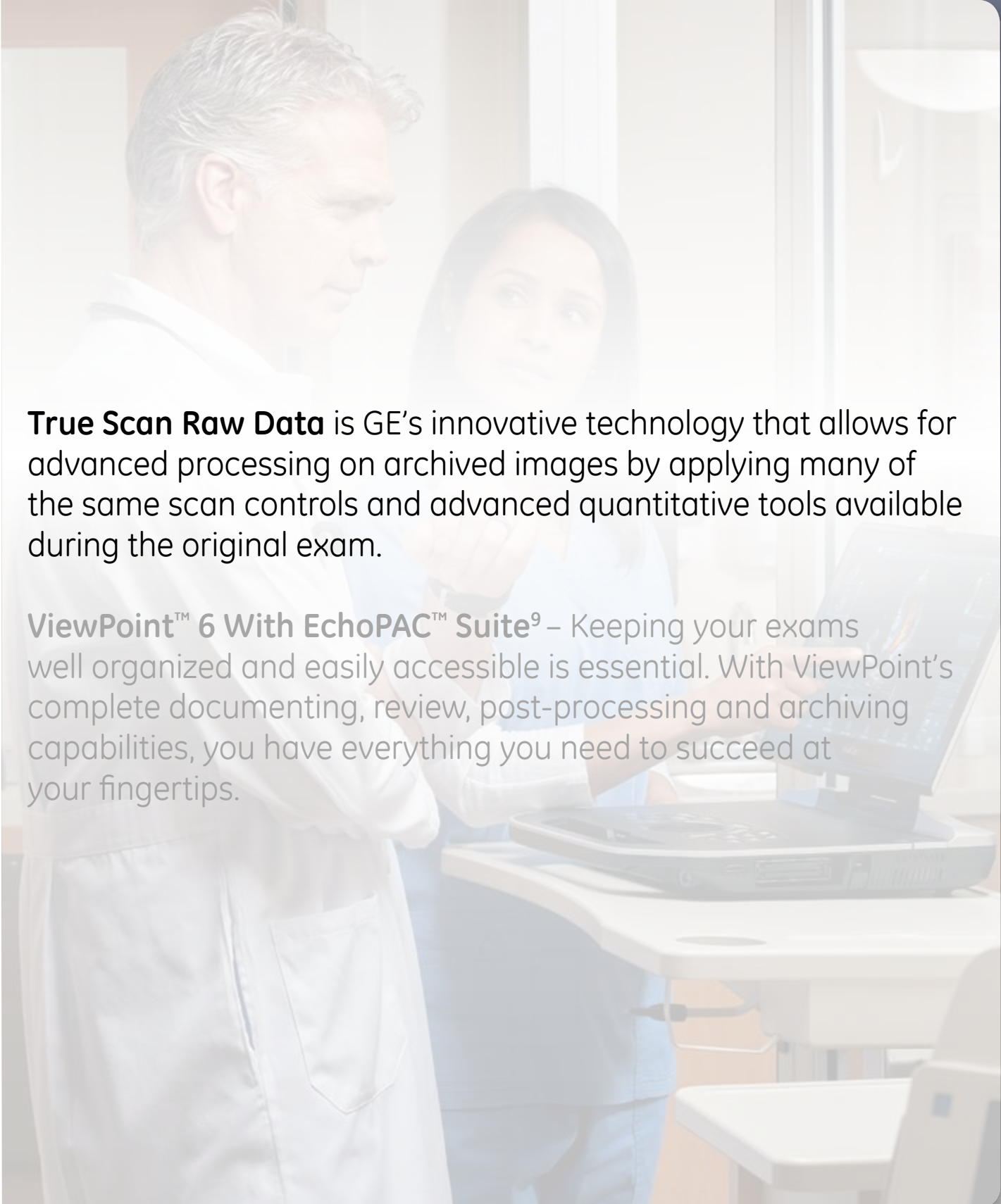
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A photograph showing a male doctor in a white lab coat and a female technician in blue scrubs standing in a clinical setting. They are both looking at a large monitor on a desk, which displays medical data. The doctor is pointing at the screen while the technician looks on attentively. The background is slightly blurred, showing what appears to be a hospital or clinic environment.

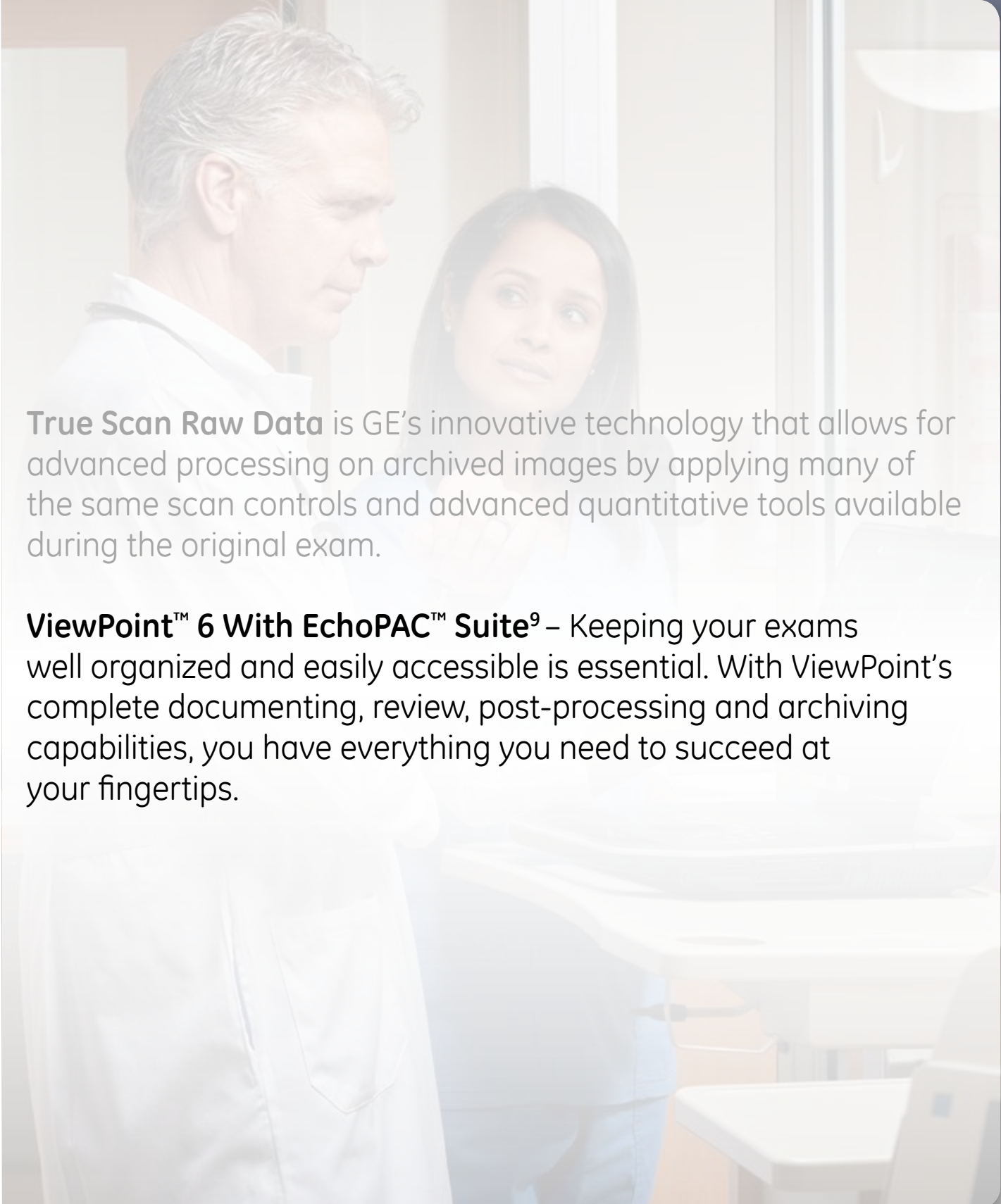
True Scan Raw Data is GE's innovative technology that allows for advanced processing on archived images by applying many of the same scan controls and advanced quantitative tools available during the original exam.

ViewPoint[™] 6 With EchoPAC[™] Suite⁹ – Keeping your exams well organized and easily accessible is essential. With ViewPoint's complete documenting, review, post-processing and archiving capabilities, you have everything you need to succeed at your fingertips.

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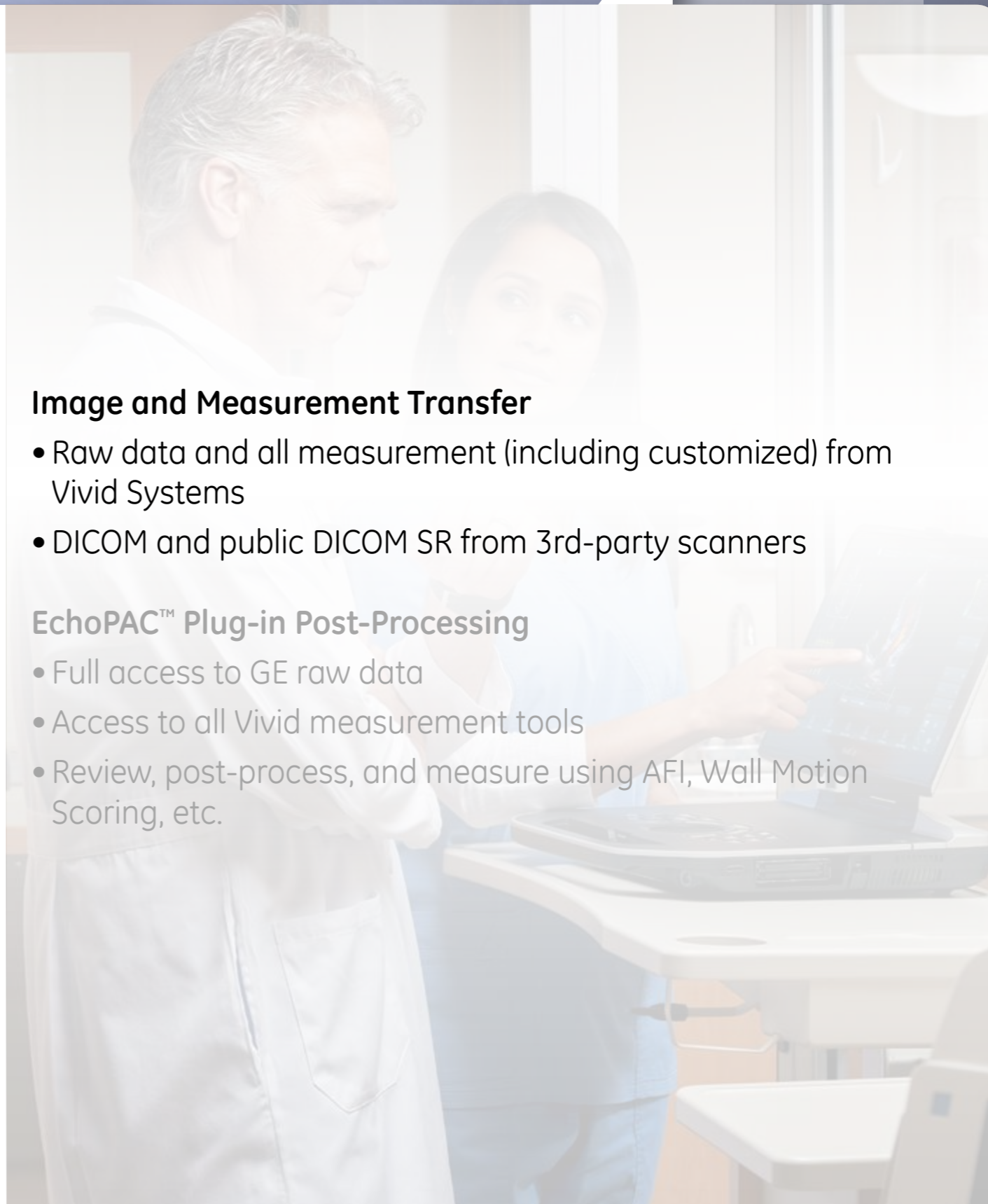
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- ▶ Reporting
- ▶ IT Integration

Image and Measurement Transfer

- Raw data and all measurement (including customized) from Vivid Systems
- DICOM and public DICOM SR from 3rd-party scanners

EchoPAC[™] Plug-in Post-Processing

- Full access to GE raw data
- Access to all Vivid measurement tools
- Review, post-process, and measure using AFI, Wall Motion Scoring, etc.



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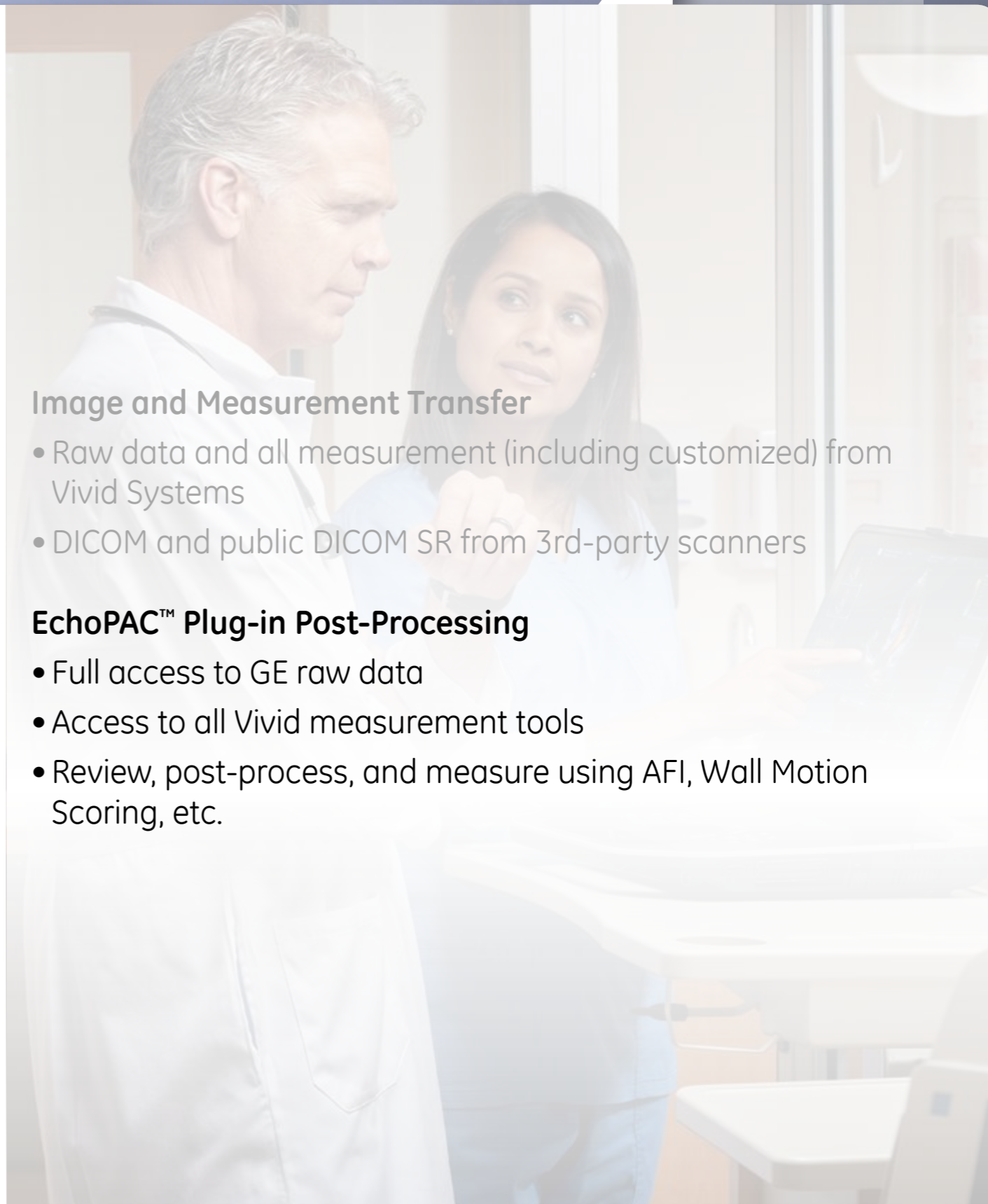
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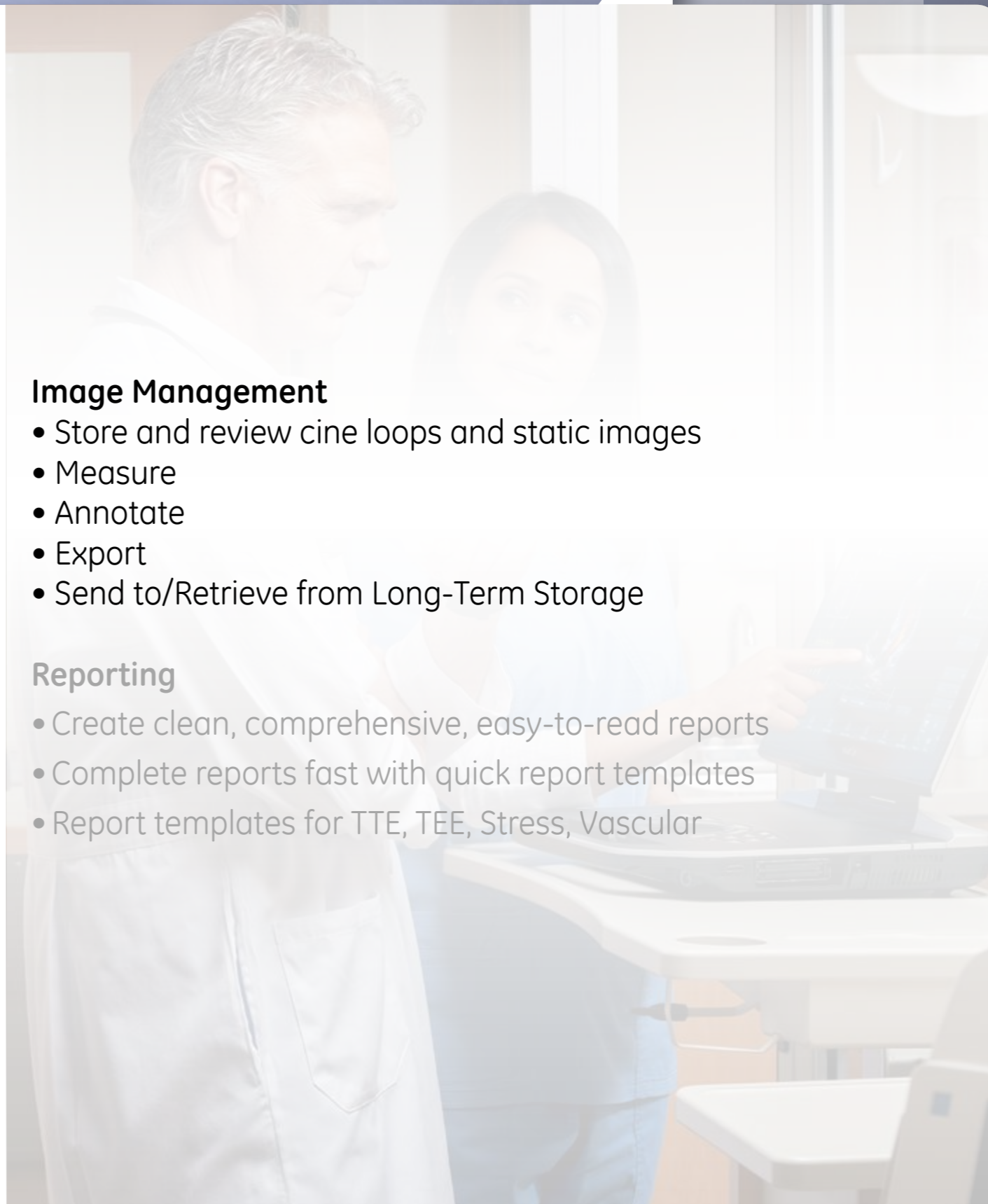
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- ▶ IT Integration

Image Management

- Store and review cine loops and static images
- Measure
- Annotate
- Export
- Send to/Retrieve from Long-Term Storage

Reporting

- Create clean, comprehensive, easy-to-read reports
- Complete reports fast with quick report templates
- Report templates for TTE, TEE, Stress, Vascular



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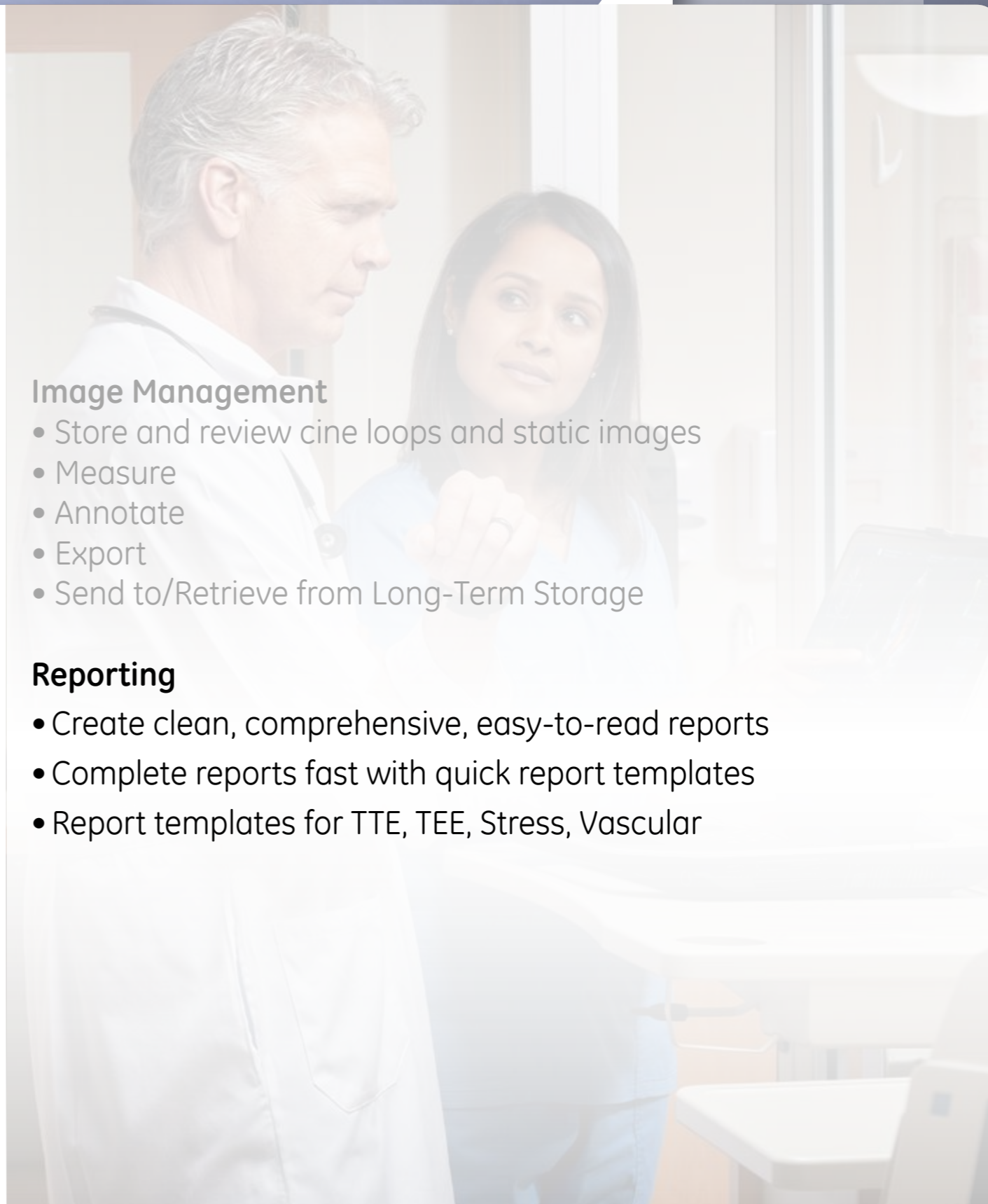
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- ▶ **IT Integration**

IT Integration

- HIS Interface (HL7)
 - Patient data
 - Orders
- EMR Interface (HL7)
 - Report text
 - Formatted report (PDF)
- PACS Interface (DICOM)
 - Export
 - Long-term archive

¹ Vivid *iq* is not available in all countries.

⁶ Optional

⁹ EchoPAC Suite is a marketing name for EchoPAC Plug-in.

Third-party trademarks are the property of their respective owners.





About GE Healthcare

GE Healthcare provides transformational medical technologies and services that are shaping a new age of patient care. Our broad expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, biopharmaceutical manufacturing technologies, performance improvement and performance solutions services help our customers to deliver better care to more people around the world at a lower cost. In addition, we partner with healthcare leaders, striving to leverage the global policy change necessary to implement a successful shift to sustainable healthcare systems.

Our “healthymagination” vision for the future invites the world to join us on our journey as we continuously develop innovations focused on reducing costs, increasing access and improving quality around the world. Headquartered in the United Kingdom, GE Healthcare is a unit of General Electric Company (NYSE: GE). Worldwide, GE Healthcare employees are committed to serving healthcare professionals and their patients in more than 100 countries. For more information about GE Healthcare, visit our website at www.gehealthcare.com.

GE Healthcare

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www.gehealthcare.com



Imagination at work

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