



YOUR PATIENTS RELY ON **YOU**.
YOU CAN RELY ON **US**.

Vivid[™] for Interventional

U L T R A E D I T I O N





TODAY'S CHALLENGES

 **68.9 MILLION**

Number of people who will suffer from mitral valve regurgitations by 2025¹

 **1 in 10**

Part of the population aged 65 years and above, which suffers from this deadly condition¹

 **300,000**

Number of people worldwide who have open-heart surgery for the repair of mitral valves¹

 **>40%**

Percentage of patients who are ineligible for surgery due to age and complexity of disease (multiple comorbidities)¹

DEMAND FOR MINIMALLY INVASIVE PROCEDURES IS GROWING²

Structural heart procedure success depends on preparation, collaboration and clear communication within the heart team.

Your complex interventions may often require the use of fluoroscopy, CT and echo images to plan, guide and assess procedures, which may generate room for uncertainty & lack of clarity, potentially reducing efficiency and increasing risk for suboptimal interventions.

DISCOVER SUPERB VISUALIZATION OF THE ANATOMY AND SEAMLESS WORKFLOW FOR YOUR INTERVENTIONAL PROCEDURES WITH

Vivid Ultra Edition*



Vivid E95



Vivid S70N Dimension

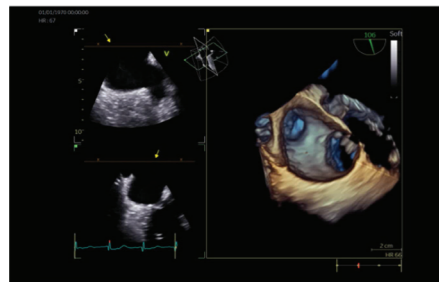


Vivid iq

RELY ON US TO PROVIDE YOU WITH SUPERB IMAGES

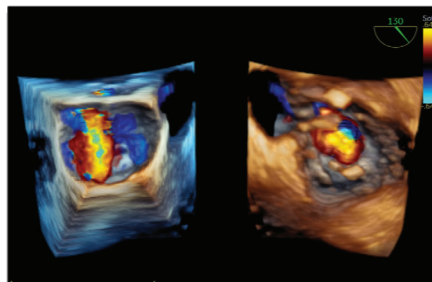
Designed based on intuitive ergonomics with easy-to-use navigation tools, Vivid systems are adaptable to each procedure's specific needs, providing precise quantification, enhanced view of spatial relationships between flow and the surrounding structures, and simplified live image guidance.

- Superb image quality with cSound™ software beamformer
- Photorealistic visualization of the anatomy with FlexiLight and HD Color flow rendering technique for semi-transparent visualization of origin and size of high velocity jets
- Simplified live guidance and improved quality of communication within the Heart Team with CT Fusion Live, 4D Markers, FlexiSlice and View-X



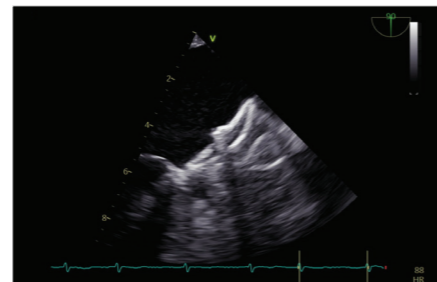
4D TEE (6VT-D)

The optimal solution for complex LAA closure as it offers superb image quality in 4D, biplane, triplane modes, enabling enhanced visualization of the anatomy with fine details.



Mini 4D TEE (9VT-D)

The world's most compact 4D mini-probe³ is suitable for a broad range of paediatric and interventional cardiology procedures potentially eliminating the need for general anaesthesia in adult patients.



Micro TEE (10T-D)

Permits interventions with precise visualization in 2D, offering the possibility to perform the procedures under conscious sedation. This may help improve patient management and Cath Lab capacity.

RELY ON US FOR IMPROVED VISUALIZATION OF THE PATIENT'S ANATOMY AND FLOW DYNAMICS



more graphics processing power⁶



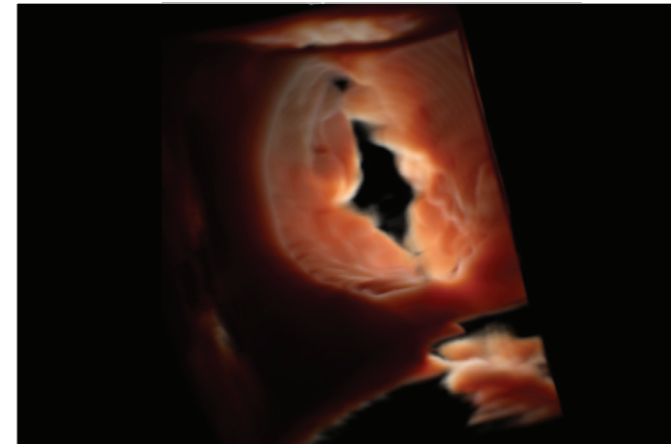
FlexiLight

Rendering technique for photo-realistic light-source based illumination of heart structures, providing comprehensive visualization of cardiac structures. FlexiLight may allow a comprehensive visualization of leaflets and regurgitant orifices while ensuring the proper alignment of the clip towards the mitral valve annulus.

RELY ON US TO SIMPLIFY THE COMPLEX

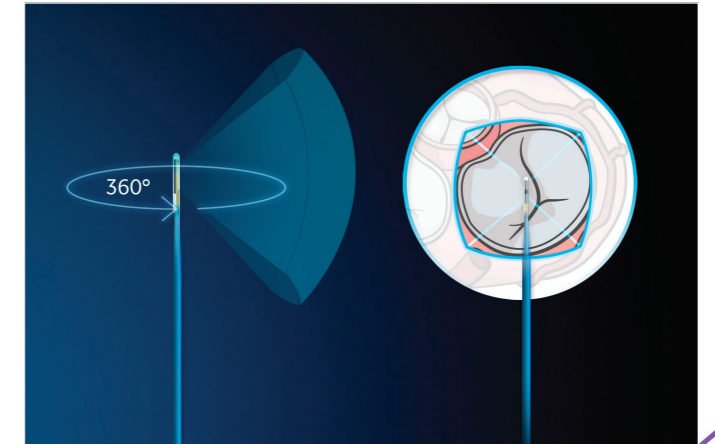
The need for general anesthesia limits procedure volumes, impacting Cath Lab efficiency and patient scheduling.

The adjunctive use of 4D ICE⁴ can potentially overcome current imaging challenges in transcatheter annular devices by optimizing device implantation potentially under conscious sedation, while improving procedural outcomes and facilitating faster clinical adoption.⁵



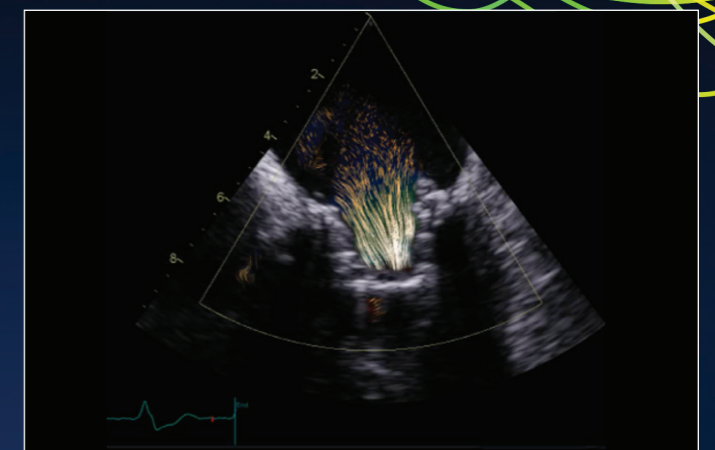
4D ICE NUVISION™⁴ Ultrasound catheter by Biosense Webster, Inc.

Provides a 90x90° field of view and seamless visualization & navigation thanks to the 360° catheter tip rotation.



HD Color

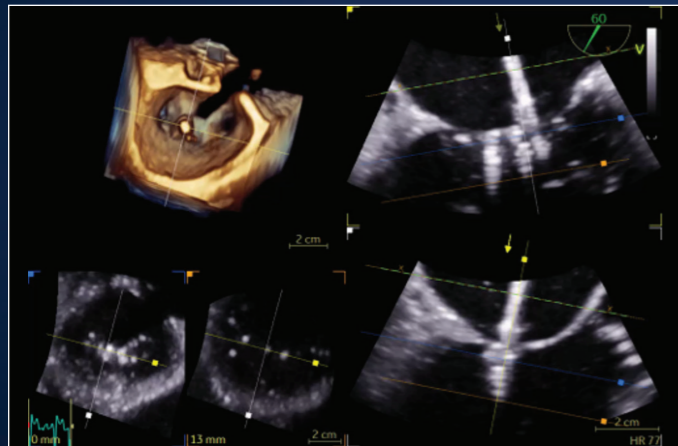
New 4D color flow rendering technique for semi-transparent visualization of origin and size of high velocity jets, enhancing spatial resolution between flow and surrounding structures. HD Color enhances visualization of origin of the jets and improving assessment of residual Mitral Regurgitations accuracy.



BSI (Blood Speckle Imaging)

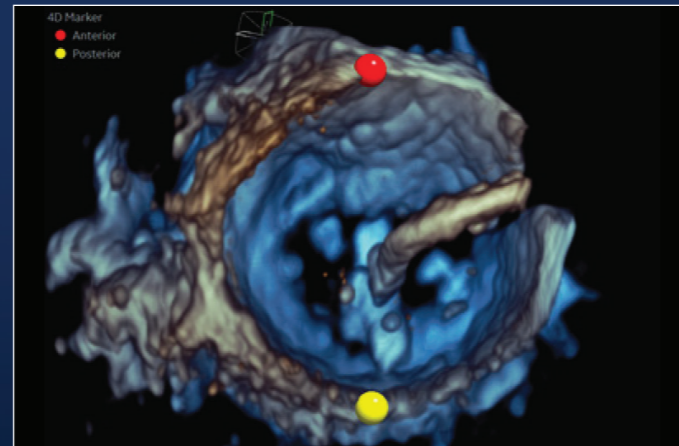
Gives insights on complex blood flow patterns, which helps visualize if the device is optimally positioned by comparing pre- and post-operative images.

RELY ON US FOR SIMPLIFIED GUIDANCE



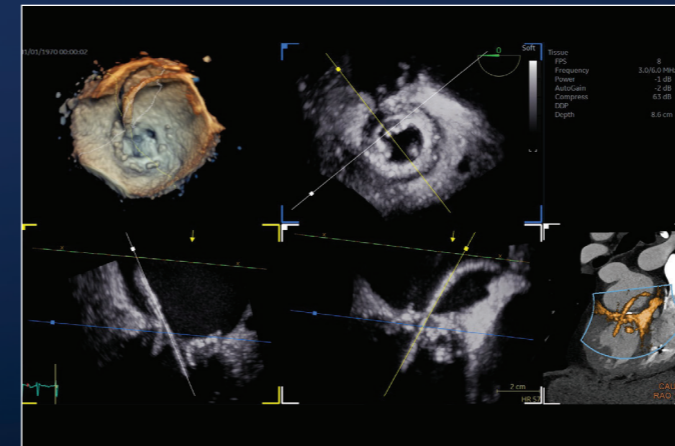
FlexiSlice

Provides access to the live 3D MPR (Multiplanar Reconstruction) and the 4D image simultaneously, which may help improve guidance of the delivery catheter and positioning of the clip(s).



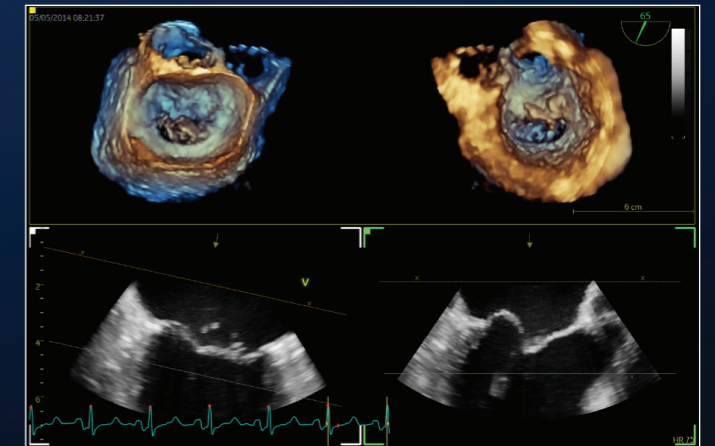
4D Markers

The echo imager can place colored 4D markers on the cardiac anatomy during the intervention, which may help streamline communication within the heart team. This helps better understand the directions from the echo imager, orientation of the viewed anatomy, to guide the interventional cardiologist with increased precision.



CT Fusion Live⁷

The overlay of CT and 4D TEE allows real time guidance of catheter position as planned on the CT while assessing potential obstructions during device deployment. Therefore, CT Fusion Live may help to ease the navigation within both left and right sides of the heart while ensuring that the correct co-axiality of the delivery catheter is maintained potentially improving procedure time.



Dual Crop⁸

Provides a simultaneous view from the bottom and the top of the cropped 4D dataset. Can be used live and on recalled images. This layout can be very valuable in MitraClip procedures. One can see the orientation of the catheter and the clip in 4D from both the ventricular and atrial view while monitoring the grasping of the leaflets in the 2D planes which may avoid the need to switch from 2D to 4D in this very critical step potentially reducing the time of the procedure.

RELY ON US TO BUILD YOUR TEAMS' TRAINING



Vivid systems come with a variety of education offerings, including:

In-person training

- Onsite Application Trainings (at installation)
- Vivid Live Instructor Led Class (2-day training)⁹

Virtual Learning at:

- Vivid Learning Academy - available to all on the Vivid website
- Vivid Club - exclusive digital content for Vivid users
- Digital Expert⁴ - an innovative platform providing interactive and real time education and support, clinician-to-clinician communication

ECHOPAC™ – POST PROCESSING & REPORTING

Fast workflow

Fully integrated and featuring Open4D to assess & quantify 3D volumes from multivendor equipment fleets

Comfortable experience

Familiar interface with ergonomic comfort

State-of-the-art accuracy

Full access to Vivid tools – from AI-simplified routine measurements to the most advanced ones (MyoCardial Work)

RELY ON US TO SUPPORT YOU AT EVERY STEP

The Vivid experience includes:

- Built-in continuous research findings in the field of structural heart procedures
- Sponsorship of leading initiative and working groups in the domain of structural heart interventions (PCR Tricuspid Focus Group)
- Dedicated resources (such as sponsored webinars and Vivid Talks) developed with Key Opinion leaders to drive knowledge about GE advanced tools and dedicated applications, to interventional cardiology procedures, and facilitate adoption in daily practice



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About GE Healthcare:

GE Healthcare is a leading global medical technology and digital solutions innovator. GE Healthcare enables clinicians to make faster, more informed decisions through intelligent devices, data analytics, applications and services, supported by its Edison intelligence platform. With over 100 years of healthcare industry experience and around 50,000 employees globally, the company operates at the center of an ecosystem working toward precision health, digitizing healthcare, helping drive productivity and improve outcomes for patients, providers, health systems and researchers around the world.

Follow us on Facebook, LinkedIn, Twitter and Insights , or visit our website www.gehealthcare.com for more information.

References:

* Ultra Edition is not a product name, it refers to the 2022 release of the Vivid portfolio.

1. Transcatheter Treatment: Procedures and Heart Valve Market - February 2021 - BCC Publishing - Report Code: HLC204B
2. Analysis of Use of Echocardiography Guidance for Cardiac Surgical and Interventional Procedures – March 2021 - Life Science Intelligence
3. The content herein refers to 2022 release of Vivid portfolio. 9VT-D probe is exclusively available for E95 and E90. Vivid Ultra Edition is released as of 25th August 2022
4. 4D ICE NUVISION catheter is only available in the USA. The combination of Vivid E95 with 4D ICE NUVISION is not CE-marked. 4D ICE NUVISION is distributed by Biosense Webster
5. Evaluating the role of transesophageal echocardiography (TEE) or intracardial echocardiography (ICE) in left atrial appendage occlusion: a meta-analysis – Akela et al. – 2020 – Journal of Interventional Cardiac Electrophysiology
6. 3,5 times more processing power claim refers to the 2022 release of the Vivid portfolio. This Graphic Processing Unit is exclusively available for Vivid E95 and Vivid E90
7. CT Fusion Live is exclusively available for Vivid E95, E90, E80 products
8. Dual Crop is exclusively available for Vivid E95, E90, E80, S70N, Iq and EchoPAC products
9. Not available in all markets. Please refer to your GE sales representative



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