YOUR PATIENTS RELY ON **YOU**.

YOU CAN RELY ON **US**.

Vivid™ for Pediatrics

ULTRA EDITION

gehealthcare.com

TODAY'S CHALLENGES

1.5~2 MILLION

children born with CHD[1]

MORE COMPLEX

The pediatric heart is more variable and complex in terms of morphology and appearance than the adult heart[1]

CHD

is the leading cause of death from congenital malformations[2]

10%

of pediatric echo diagnostic errors are due to misleading anatomy or physiology[2]

ADDRESS THE NEEDS OF YOUR MOST CHALLENGING PATIENTS

The smallest cardiac patients are often the most challenging.

To help you visualize small anatomies and understand the relationship between different structures, the Vivid Ultra Edition delivers superb 2D & 4D TTE & TEE images and dedicated pediatric applications.

DISCOVER THE LATEST IMAGE QUALITY AND AUTOMATION IN

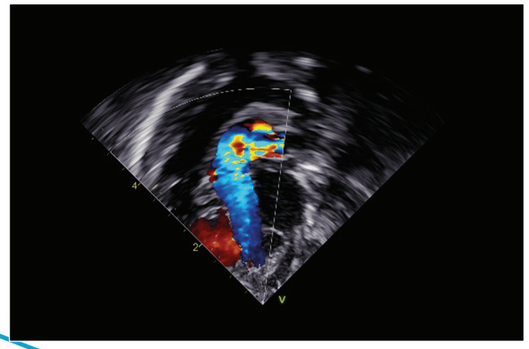
Vivid Ultra Edition*

Vivid E95 Vivid S70N Vivid T9

RELY ON US FOR SUPERB IMAGE QUALITY

Because your patients' age range is wide and your imaging needs vary depending on patient size and pathology, we developed a complete set of transducers adapted to each of patient, from premature babies to young adults.

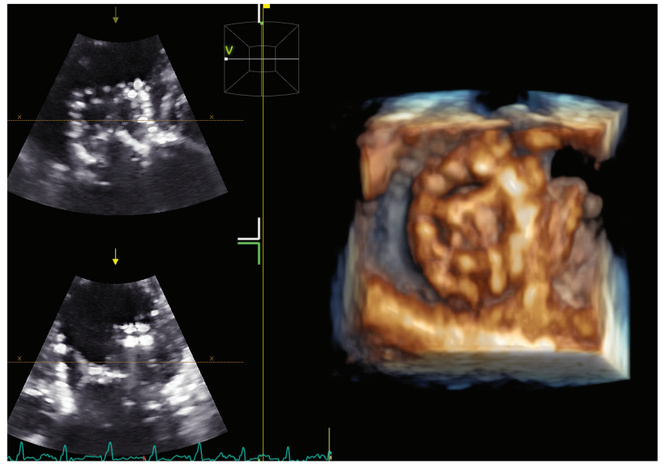
Vivid Ultra Edition[3] allows you to get exceptional images from all your pediatric patients to help you make better diagnoses with greater confidence.



10T-D Micro-TEE Probe

The Micro multi-plane TEE probe enables you to achieve high diagnostic confidence, even under the most complex conditions on the neonatal heart of patients > 2.5kg.

For patients from 2.5kg



6Vc-D

A lightweight probe solution that provides excellent 2D and multi-plane 4D imaging:

- Uncompromising 2D detail and contrast resolution, Color Doppler, TVI, Live Anatomical M-Mode, PW-Doppler, CW-Doppler, Triplex Mode, Live bi-plane and Live tri-plane
- Single-beat 4D and 4D color with ultrahigh volume rates when the full volume is acquired
- Excellent ergonomics (weighs 72 grams)

For patients from 500g to 40kg

RELY ON US FOR BREAKTHROUGH INNOVATION

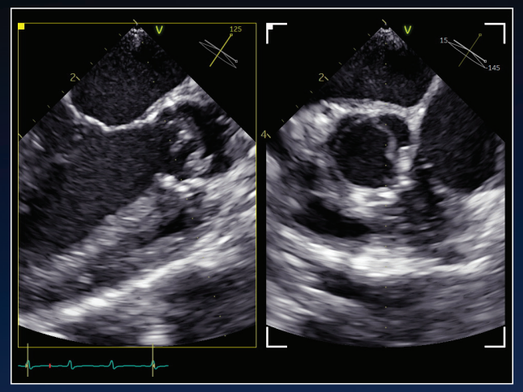
1ST 4D TEE probe designed for small children[3]

9VT-D probe

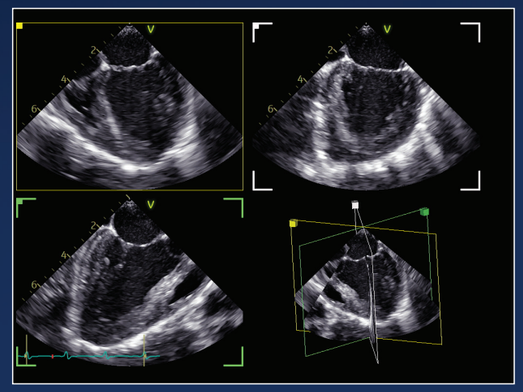
The world's most compact mini 4D TEE-probe and the first 4D TEE probe designed with small children in mind introduced with the latest release of Vivid Ultra Edition[3]. It provides:

- Generation of a set of ultrasound images or slices within a cone from the same position in the esophagus.
- Real-time multi-plane image acquisition (bi-plane and tri-plane) as well as single and multi-beat volumetric data for three-dimensional visualization of cardiac structures and flow.

Most Compact mini 4D TEE-probe[3]

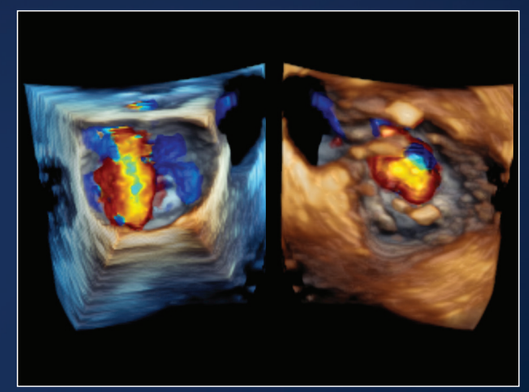


Bi-plane view of AV prolapse on a 10kg patient undergoing surgery



Tri-plane LV image on a 10kg patient undergoing surgery

4D image of a catheter on 48kg patient in the EP lab

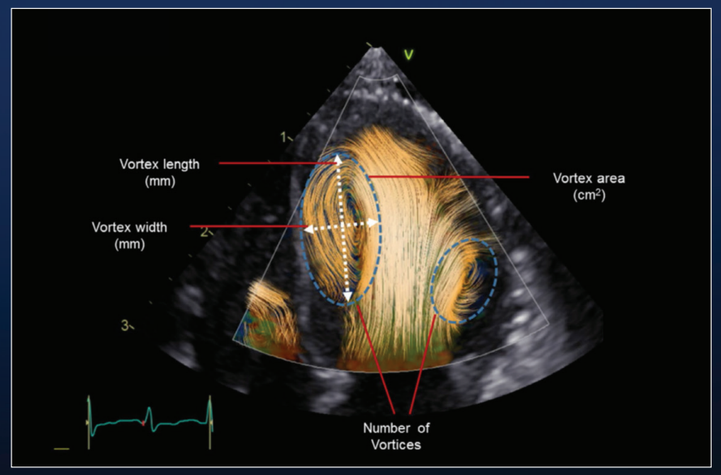


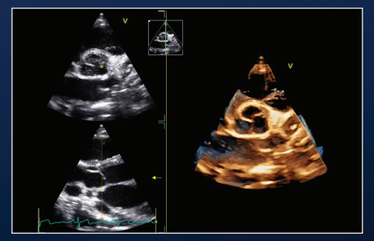
4D Color Dual view of MR upon follow up in the EchoLab

RELY ON US FOR CLINICAL EXPERTISE

BSI 2.0 – Blood Speckle Imaging

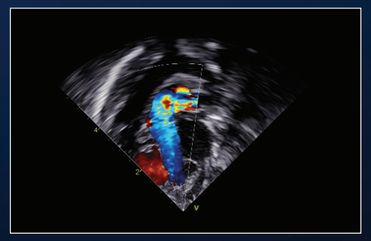
Quickly understand complex flow patterns by reducing the angle dependency and aliasing problems. Left ventricle vortex formation and size can be analyzed with BSI and has the potential to complement existing parameters of cardiac health.





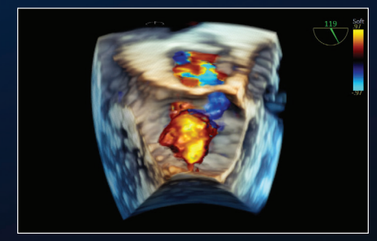
6Vc-D Volume Probe - HD*live*™

Provides high-resolution, realistic 4D images of cardiac structures and blood flow.



10T-D – Neonatal TEE

Supports 2D and Color Flow, M-Mode, PW, CW (including Triplex) and TVI-Mode.



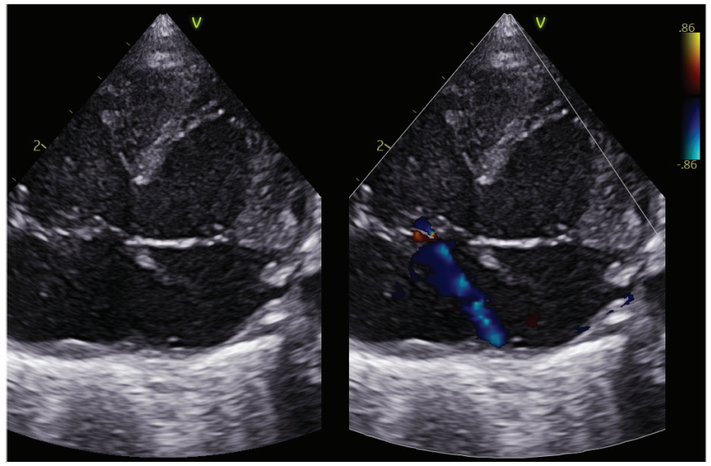
9VT-D

Supports real time multi-plane and 4D imaging.

RELY ON US FOR THE CRITICAL MOMENTS

NICU-friendly

Check our Vivid Ultra Edition portfolio to get to know our portable and small footprint solutions.



12S-D probe
Tricuspid regurgitation visualized in simultaneous mode on a neonate of 2,3kg

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

Upgrade your ultrasound experience with **EchoPAC** today.

About GE Healthcare:

GE Healthcare is the $18 billion healthcare business of GE (NYSE: GE). As 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 for the latest news, 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. YUJIN HU et.al. | AIDAN: An Attention-Guided Dual-Path Network for Pediatric Echocardiography Segmentation | Source https://ieeexplore.ieee.org/abstract/document/8979379)
2. Oscar J. Benavidez et.al. | Diagnostic Errors in Pediatric Echocardiography Development of Taxonomy and Identification of Risk Factors | https://www.ahajournals.org/doi/full/10.1161/CIRCULATIONAHA.107.758532
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

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