

VOLUSON E10 FETAL HEART

EXPERT INSIGHTS. BRIGHTER FUTURES.

Congenital Heart Defects are one of the most common and most difficult fetal anomalies to detect. Identifying fetal cardiac abnormalities earlier means you can intervene sooner, plan for delivery and potentially improve outcomes. With Voluson™ ultrasound systems, we aim to help you improve patient care with innovative technologies that allow you to focus on early prevention rather than late diagnosis. GE Healthcare's dedication, coupled with collaboration with fetal echo experts, has led to the development of progressive tools to help distinguish the tiniest structures with stunning clarity and to help simplify assessment of the fetal heart. The Voluson ultrasound systems can help you to provide confident patient answers, faster.

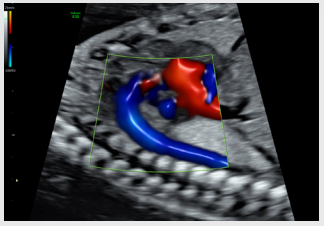
gehealthcare.com

GUIDE THE WAY TO HIGHER STANDARDS

Cutting-edge tools to help find answers to challenging exams

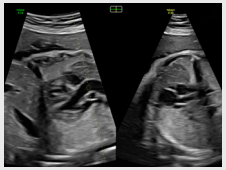
UNIQUE TOOLS – CONFIDENT ASSESSMENT

Effortless, fast visualization of even the tiniest of vessels with a new standard of color Doppler – **Radiant*flow***

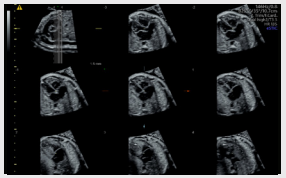


Utilize **Scan Assistant** to help ensure complete fetal heart assessments with a flexible, and customizable exam protocol tool

Apply **HDRes** for elevated tissue differentiation, border definition and fine resolution

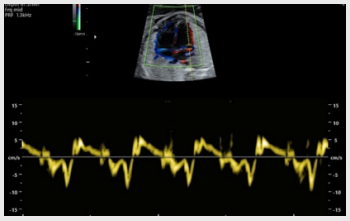


Newly enhanced volume automation **SonoVCAD™*heart*** (Sonography-based Volume Computer Aided Display heart) – to help standardize orientation of the fetal heart by providing recommended views obtained from a single volume or STIC acquisition



COMPLEX CASES – NEW STANDARDS

Conduct a more comprehensive assessment of fetal cardiac function with Tissue Velocity Imaging – PW Tissue Doppler for Wall Motion Analysis

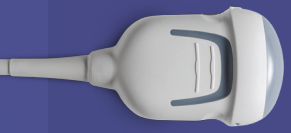


Quantify size and growth of cardiac dimensions and assess growth and charting development in fetal hearts with a congenital abnormality with **Z-Scores**

Apply **Anatomic M-Mode or Dual M-Mode** to the fetal heart to help assess rhythms and perform cardiac – either while scanning real-time or from a stored clip

Explore **3D Printing** for rapid clinical prototyping and research with full mesh exports directly from the Voluson ultrasound system –export files can be generated from color, inversion, and glass body data sets



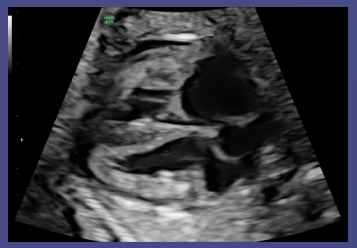


16X faster volume rates, flexible imaging formats, and brilliant resolution provided by the latest **electronic 4D probe technology, *e*M6C**. Probe technology offers unique tools to help with comprehensive fetal echo exams.*

- ***e*STIC (electronic Spatio-Temporal Image Correlation)** – Enhances fetal cardiac exams with up to 75% reduction in acquisition time over traditional STIC and delivers improved resolution in the B and C planes**
- **Bi-plane imaging** – Provides simultaneous display of high resolution, high frame rate images in two perpendicular planes. Technology may be used in 2D and color Doppler modes
- **e4D SnapShot** – Optimizes exam time with one button access from real-time 4D to acquire an *e*STIC data set. SnapShot function can reduce keystrokes more than 80% when moving from real-time 4D to *e*STIC***

Detect fetal abnormalities earlier in the first trimester with the high resolution **4D endovaginal probe (RIC6-12D)**

M5Sc sector probe – Phased array probe for fetal and maternal cardiac imaging, extraordinary imaging even in difficult scanning conditions



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*Comparison performed using VE10 and *e*M6C probe BT18 and VE10 and mechanical RAB6 probe BT18.
**Comparison performed using GE's *e*M6C probe and GE's RAB6-D probe.
***Compared to conventional mechanical probe technology with STIC.