



Voluson™
A HEALTHIER FUTURE
FOR WOMEN





A HEALTHIER FUTURE FOR WOMEN

At GEHC Women's Health Ultrasound, we're committed to creating a healthier future for women. So we create ultrasound solutions that enhance the connection between our clinical partners and their patients, and work relentlessly to break new ground and advance innovation in women's health. And we do it all with the goal of empowering our partners to provide the kind of exceptional care that will exponentially improve women's lives, and ensure better health for generations.



VOLUSON E10

THE EXCELLENCE YOU DEMAND
THE STANDARDS YOU SET

Your women's health practice is where complex cases are the rule, not the exception. Where patients demand your expertise, and trust you for answers. With the Voluson™ E10 you can deliver truly exceptional care – confidently and efficiently – every time – keeping you at the forefront of women's health care. The Voluson E10 encompasses the most advanced imaging capabilities combined with efficiency and security features to help you to provide confident patient answers, faster.



gehealthcare.com



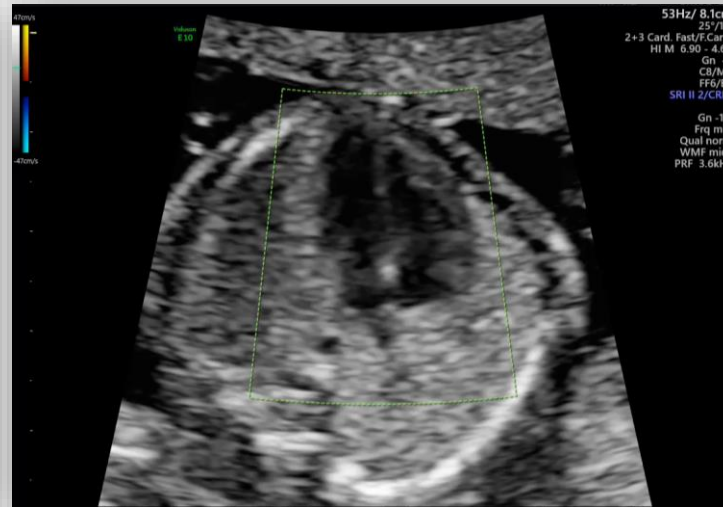
LEADING THE WAY – SETTING THE STANDARDS

Unrivaled imaging for your most complex cases



Radiance System Architecture

Display extraordinary image detail through sophisticated beam formation and powerful processing



4x **Ultrasound pathways** for spectacular 2D and 3D/4D images with increased penetration and clarity

10x **Data transfer** rate for higher resolution and very fast frame rates

4x **Processing power** for advanced applications and efficient workflow



HD*live* – A Suite of Technologies

While conventional ultrasound rendering uses a fixed light source reflecting light off the skin surface, HD*live* delivers customizable virtual light sources. Select light target area, direction, and intensity to highlight depth perception and internal structures.

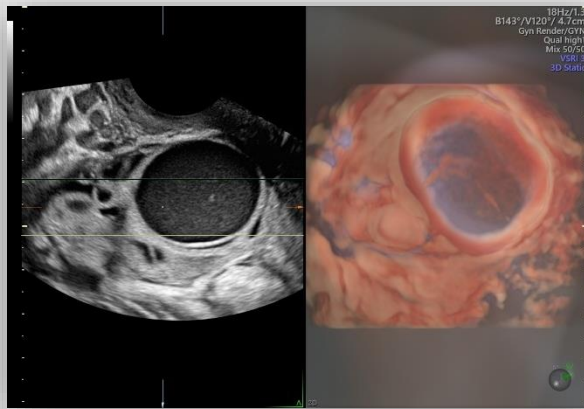
HD*live* Silhouette

Volume imaging is taken to the next level with the ability to control what tissue type is displayed internally vs. externally



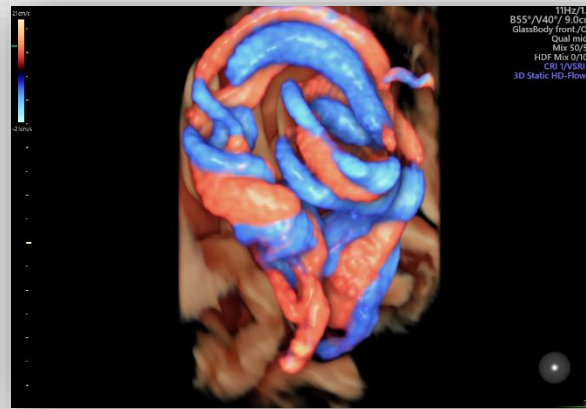
HD*live* Studio

Illuminate anatomy and surrounding fluid with up to 3 independent light sources with various intensity and hues



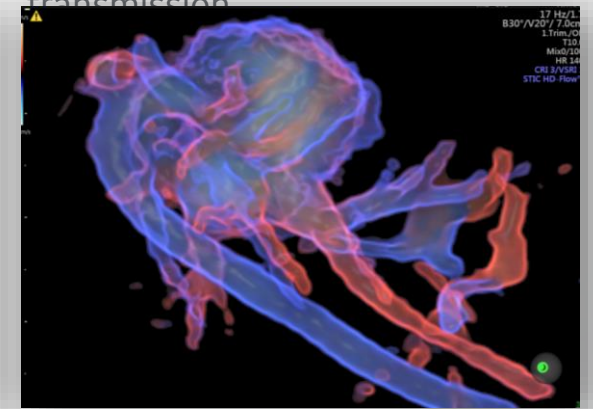
HD*live* Flow

Vascular structures are displayed with greater depth perception and dimension



HD*live* Flow Silhouette

Visualize vascular structures along with surrounding tissues with various levels of border enhancement and through transmission



Radiantflow

Achieve a new standard of color Doppler with Radiantflow – Delivering easy, fast visualization of even the tiniest of vessels. Using the amplitude of the Color Doppler signal to enhance the robustness and create a 3D-like appearance.

Available on eM6C G2, eM6C, RM6C, RAB6, C2-9, RIC6-12, RIC5-9 and IC5-9



HDRes

Imaging mode that increases lateral – and axial resolution for elevated tissue differentiation, border definition and fine resolution.

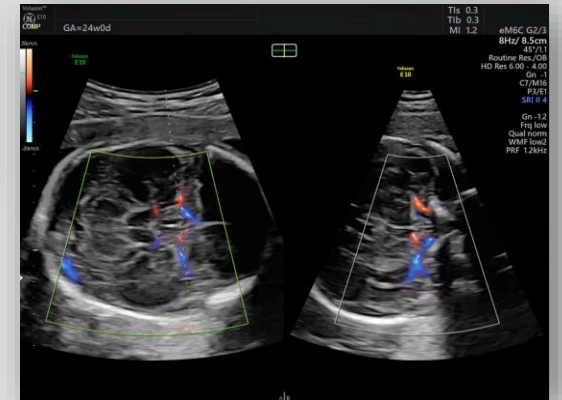
Available on eM6C G2, eM6C, RM6C, C2-9 and RIC6-12



Next generation eM6C

G2 Cutting edge technology to assist with the most complex cases while having the flexibility and comfort to integrate into daily workflow

- First commercially available curved matrix electronic 4D technology designed for Women's Health
- Amazing image quality based on Radiance System Architecture for faster frame rates, processing power and resolution
- Enhanced user comfort and experience with reduction in size and weight of probe
- Workflow enhancement features include Bi-plane, SnapShot, eSTIC, VCI-A



Volume rates up to 16 times higher than those with mechanical probe technology

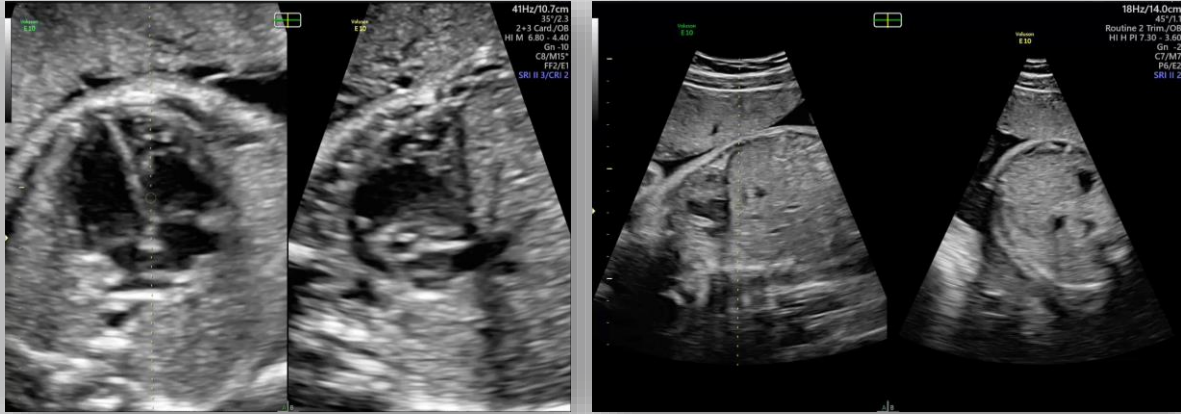
15% Weight Reduction (370g) over previous version

SnapShot acquisition time reduced from 6.1 sec to 1.8 sec



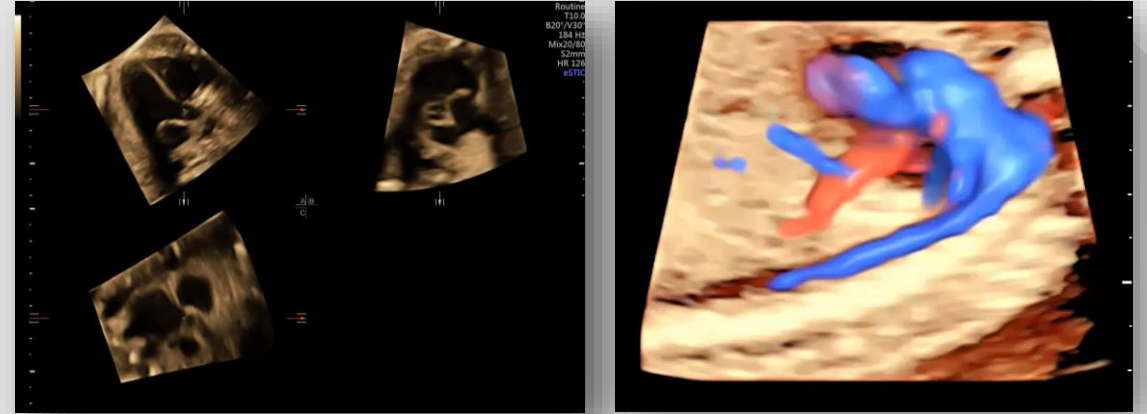
Comparison performed using VE10 and eM6C probe BT18 and VE10 and mechanical RAB6 probe BT18
** Comparison performed using GE's eM6C probe and GE's RAB6-D probe.
*** Compared to conventional mechanical probe technology with STIC

e4D Imaging Technologies



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.

Clinical use: Spine, palate, heart, brain, limbs and procedures including amniocentesis, Percutaneous umbilical cord blood sampling (PUBS), Chorionic villus sampling (CVS) - Confirmation of perpendicular (i.e. NT, fetal heart) – View potential obstructions during interventional procedures

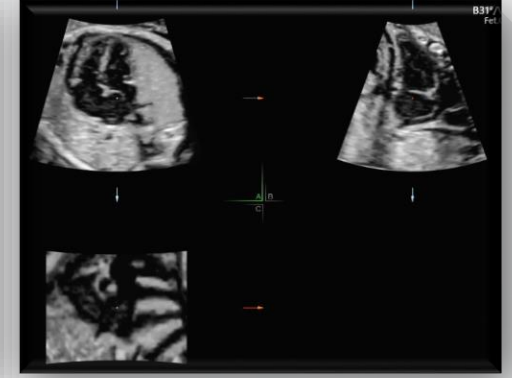
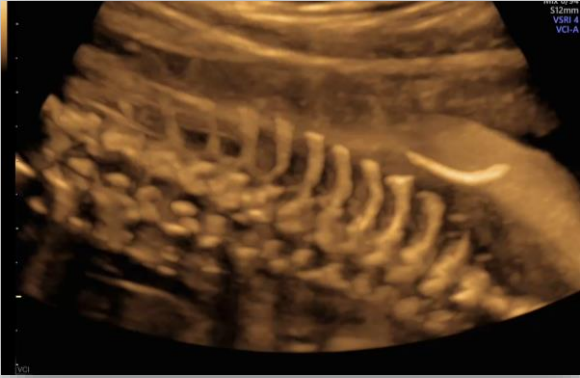


eSTIC (Spatio-Temporal Image Correction) enhances fetal cardiac exams with up to 75% reduction in acquisition time over traditional STIC. Reduced artifact from fetal movement and improved B & C plane. Acquisition time reduced from 12 secs to 1,3

Clinical use: Fetal heart - Evaluate anatomy, pathology and physiology in 3 dimensions



e4D Imaging Technologies



VCI-A (Volume Contrast Imaging) – Delivers excellent contrast resolution through thick slice volume of grey scale and color Doppler images. The ultra-fast frame rate allows VCI-A to be used in standard mode for fetal brain, extremities, and heart exams

Clinical use: Fetal brain sutures, extremities, spine, palate, soft tissue, heart in *any* plane - Added contrast resolution in soft tissue, brain, heart, etc.

Real-Time 4D - Ultra-fast volume rates for real-time display of motion allowing for excellent visibility of anatomical structures and functionality - Achieve volume rates 16 times higher using electronic 4D.*

Clinical use: Evaluate anatomy, pathology and physiology in 3 dimensions with high success rate even with moving fetus – great for Fetal Heart (arrhythmias)-



*comparison made between eM6C 2017 and new Gen 2 in BT18

e4D SNAPSHOT

Optimizes your exam time

Optimizes exam time with one button access from real-time 4D to acquire high resolution 3D volume or eSTIC data sets.

SnapShot function can reduce keystrokes more than 80% when moving from real-time 4D to eSTIC or 3D rendering²

Up to 70% reduction in acquisition time using 3D snapshot.²



¹ compared to RAB probe

² Comparison performed using GE's Voluson E10 and eM6C-D probe EC330 (BT18) and GE's Voluson E10 and eM6C-D probe EC320 (BT17)

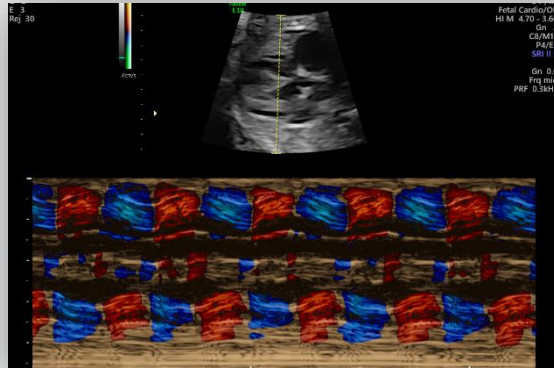
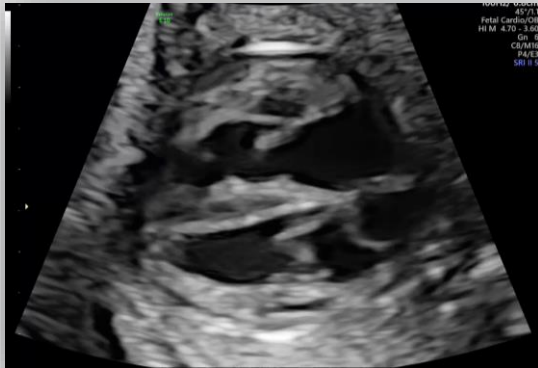
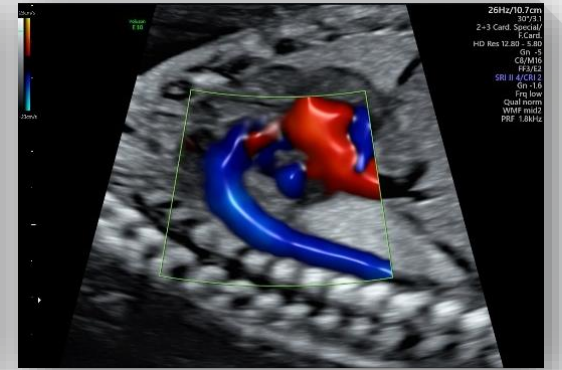
XDclear™ Probe Technology

Achieve exceptional tissue and detail resolution with XDclear probes – the combination of single crystal, acoustic amplification, and cool stack technology offers sharp imaging even with difficult to scan patients



C2-9 probe

High Frequency Imaging for fine details and 1st trimester exams



M5Sc probe

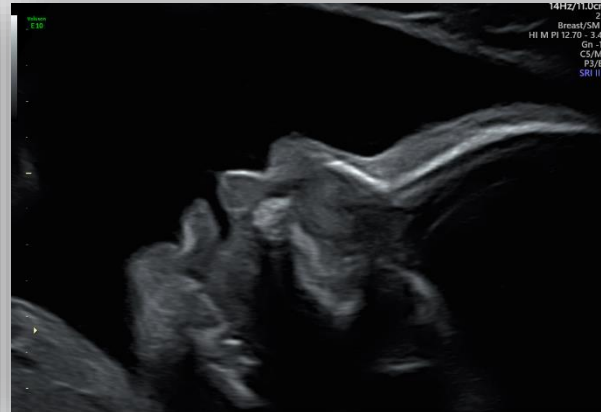
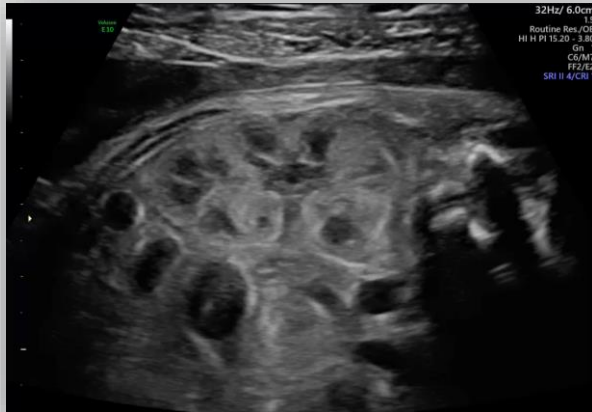
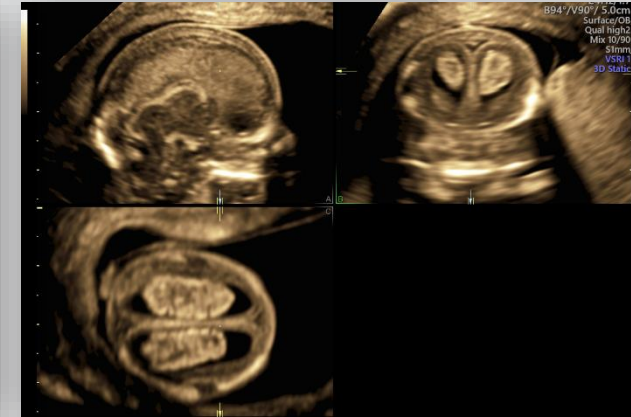
Phased array probe for fetal and maternal cardiac imaging



High Resolution Probe Technology

RIC6-12 probe

High resolution 4D endovaginal probe helps visualize fine details early in the 1st trimester and in gynecology exams



9L probe

Wide-band 2D linear abdominal probe helps provide high quality images in the 1st trimester



THE CONFIDENCE PATIENTS
NEED

THE FOCUS YOU DESERVE

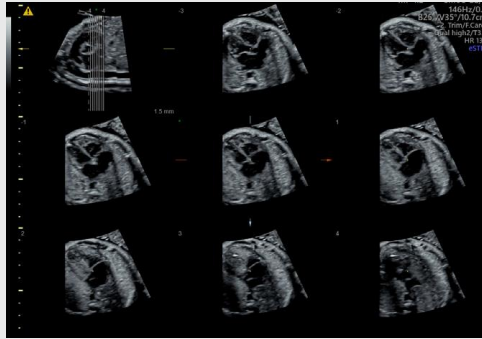
Tools that empower your very best care



Voluson Sono-Automation Technology

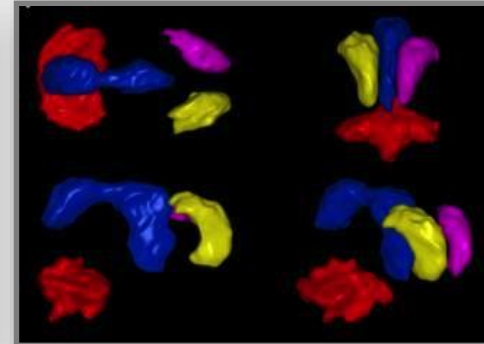
Easy-to-use automation tools to streamline workflow and decrease exam complexity while increasing consistency.

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



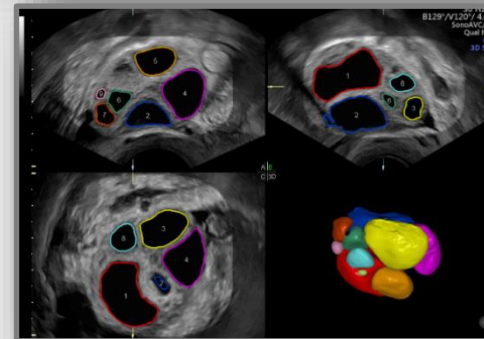
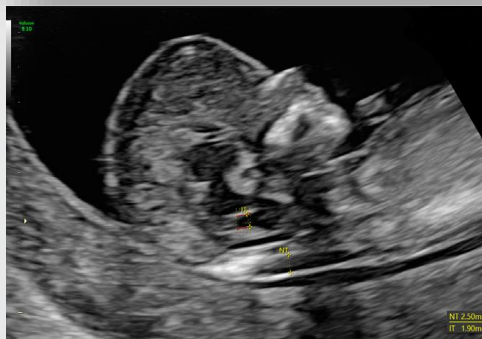
SonoRenderlive – Simplifies volume rendering by automating render-line placement in 3D and 4D imaging

SonoBiometry – Performs semi-automated biometry measurements to help reduce keystrokes - Measurements available: BPD, HC, AC, HL, and FL



SonoAVC™general (Sonography-based Automated Volume Count general) – Innovative tool to help provide visualization and measurement of hypoechoic structures within anatomy such as the fetal brain, kidneys and gynecological sonohystograms

SonoNT™/SonoIT (Sonography-based Nuchal /Intracranial Translucency) – semi-automatic, standardized measurements of nuchal and intracranial translucency



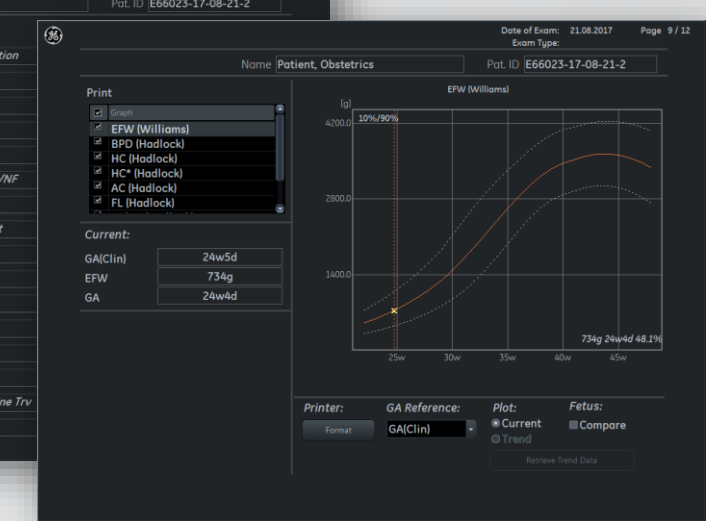
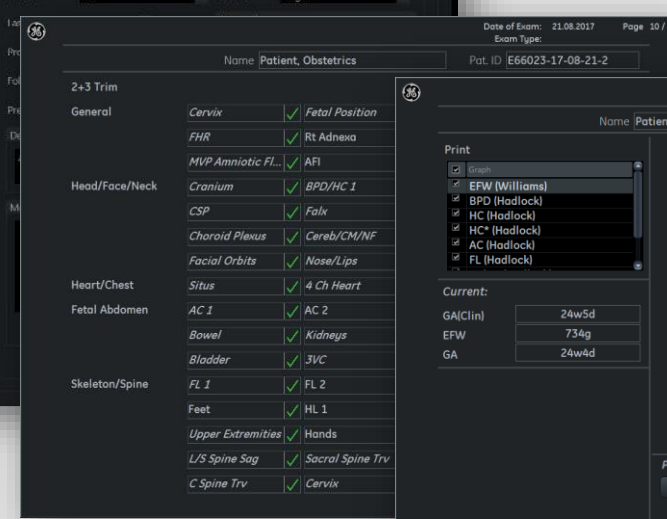
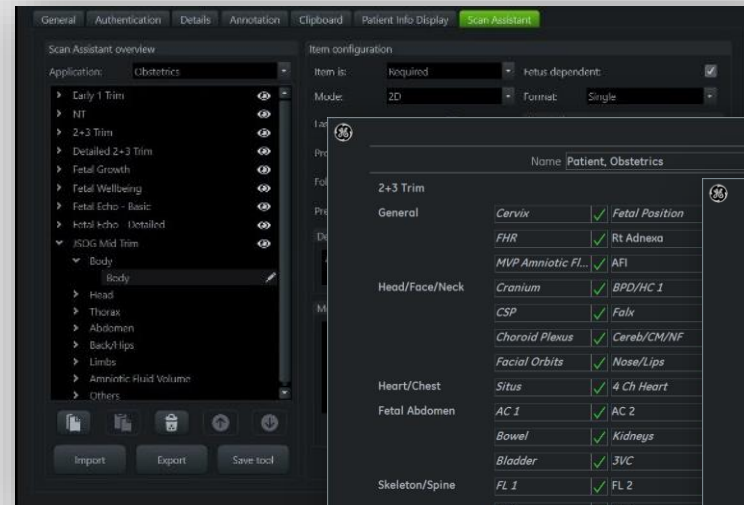
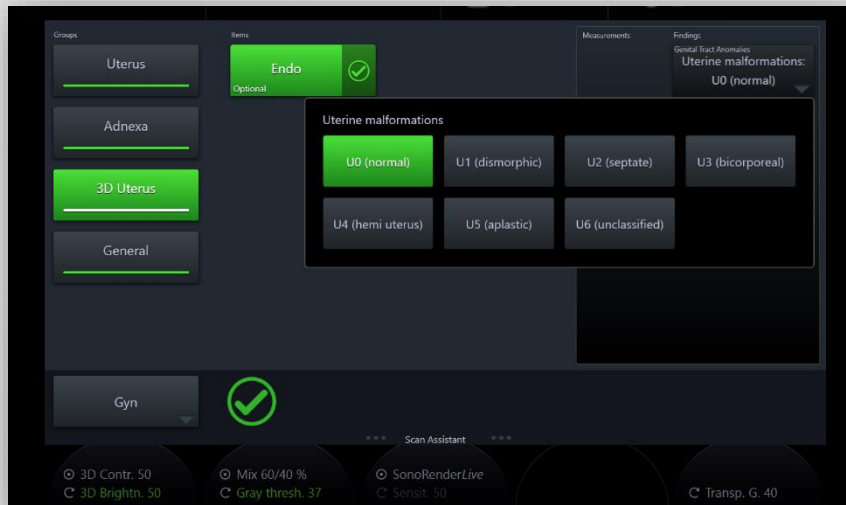
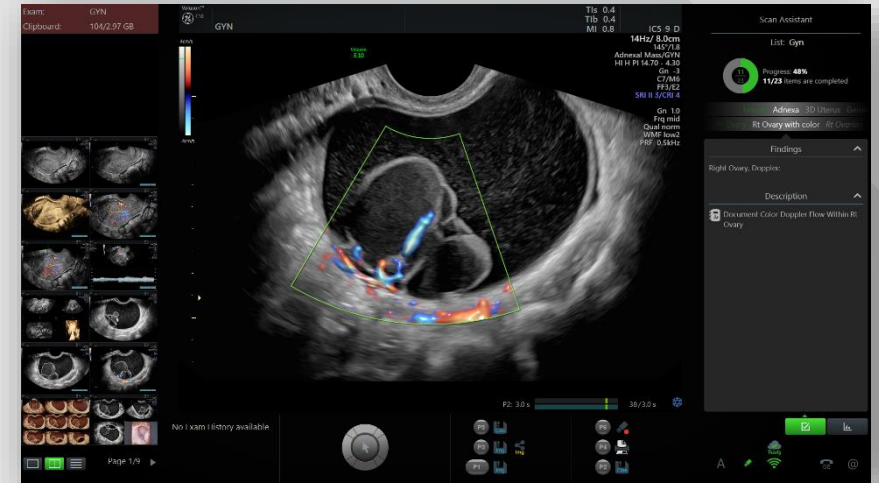
SonoAVCfollicle (Sonography-based Automated Volume Count follicle) – Automatically calculates the number, dimensions, and volume of hypoechoic structures in a volume sweep to help monitor patient follicles faster



Scan Assistant

Balance daily schedules while increasing patient satisfaction with flexible, and customizable exam protocols

- Status Monitor Onscreen
- Anatomy page completion during exam
- Comparison Image option
- Improved Configuration Page
- Image Shuffling
- Link Probes & Presets to item



Voluson Design Innovation

Raising your comfort level to transform your day and patient care

Modern Design

- Cutting-edge monitor technology – high resolution, widescreen OLED monitor
- Monitor features large clipboard with standard and XL image formatting
- 12.1" Touch Panel with multi-touch functionality
- Quick and easy 1-button control panel up/down function for optimal positioning
- 4 Active probe ports with port illumination

Simplified workflow

- Optimized key locations specifically for women's health exams
- Expanded touch panel functionality
- Voluson xTouch – exclusive volume navigation for 3D manipulations including x/y/z rotations, zoom, and MagiCut
- Enhanced annotations workflow with A/N Keyboard
- Bar Code scanner for efficient entry of patient information
- ViewPoint synchronization for seamless data sharing and reporting

Fast, secure communication

- Secure User Management – Unique user IDs for system access and tracking documentation
- Protect sensitive data with Whitelisting and HD encryption
- Enhance communication with referring physicians and patients by direct export of images and reports via Tricefy,™ USB, LAN or wifi connectivity



ViewPoint™

From conception to delivery, use ViewPoint 6's world class reporting and image management solutions for ultrasound throughout your patient's pregnancy. With ViewPoint 6's industry-leading image post-processing tools, and tight integration with your existing IT infrastructure, your workflow can be more streamlined and efficient than ever before.



Tricefy™

Voluson ultrasound systems offer Tricefy Inside™, an onboard integration with Trice Imaging's secure, cloud-based solution for archiving and sharing ultrasound images, clips and reports



3D Printing

Explore 3D Printing for rapid clinical prototyping, research, and parent bonding. Export files directly from the Voluson ultrasound system to instantly 3D print projected and full mesh data sets. Downloading directly helps save time and reduces complexity versus using external post processing software.

- Projected mesh data sets produce surface renderings without overhanging elements. Therefore, only leading edge surfaces will be generated.
- Full mesh data sets produce overhanging, free standing structures in addition to the surface views. Demonstrating spaces and cavities.
- In addition, full mesh export files can be generated from color, inversion, and glass body data sets – clearly demonstrating fetal blood flow as well as vessel and surrounding structure relationships.



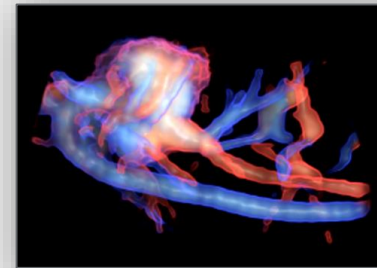
Ultrasound Volume



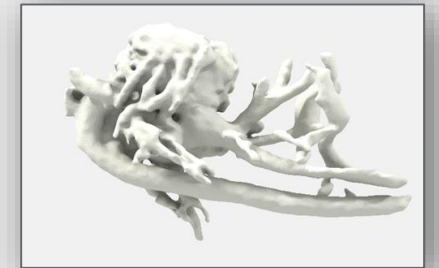
Projected Mesh



Full Mesh



Ultrasound Volume



Full Mesh

LIKE FAMILY – WE'RE HERE FOR YOU

Always empowering you to do more



Privacy and Security

From the ultrasound design to the secure sharing and user management functions, Protect sensitive data with Voluson's advanced user management and security features including **Windows 10, Whitelisting** and **HD encryption**



VolusonClub

Join the only ultrasound community dedicated to the education and collaboration of women's health providers – Benefits include: Product educational videos, product tips and tricks, white papers, Voluson educational courses and much more



