

A pregnant woman with dark, wavy hair is smiling warmly at the camera. She is wearing a brown and white horizontally striped long-sleeved shirt and is holding a white ceramic mug with both hands. She is sitting on a light-colored sofa. In the background, another woman is seated, holding a baby, and a pink orchid is visible on a table. Large windows in the background let in bright, natural light. A purple semi-transparent banner is overlaid on the left side of the image, containing the text 'Voluson™' and 'A HEALTHIER FUTURE FOR WOMEN' in white.

Voluson™

A HEALTHIER FUTURE  
FOR WOMEN

A photograph of three women of different ages laughing together in a grassy field under a cloudy sky. The woman on the left is young with dark hair, the woman in the middle is middle-aged with brown hair in a bun, and the woman on the right is young with long blonde hair. They are all smiling and looking towards each other.

# 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 S8

## WITH TOUCH PANEL

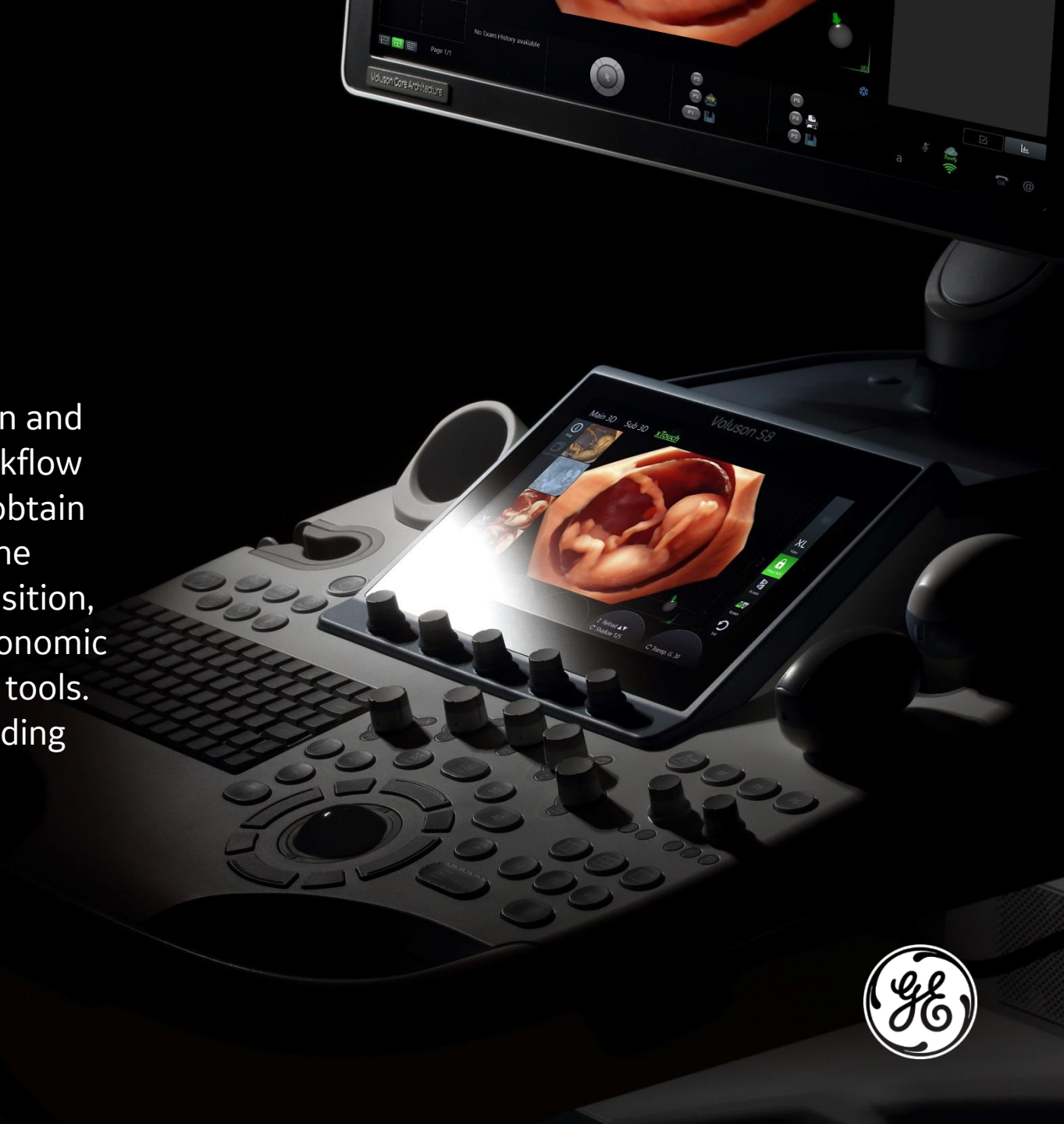
YOUR UNIQUE DEMANDS  
REQUIRE DISTINCT ANSWERS



# Voluson S8

## WITH TOUCH PANEL

Busy practices encounter two truths: time is a limitation and ultrasound is a key imaging tool. With its effortless workflow and superior image quality, the Voluson™ S8 helps you obtain critical answers with clarity and speed to help streamline imaging procedures. Reduce time spent on image acquisition, analysis, and reporting with this vital device's sleek ergonomic design, built-in automation and sophisticated software tools. Spend more time with your patients and your staff, building trust and practice growth.



# EXTRAORDINARY IMAGING SIMPLIFIED

*Providing advanced clinical capabilities for diagnostic assurance*

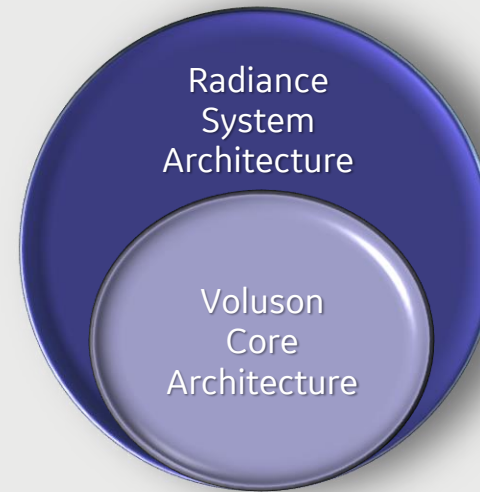


# Expert Imaging Performance begins with Voluson Core Architecture

Precise clinical decisions through exceptional image quality across a wide range women's health applications

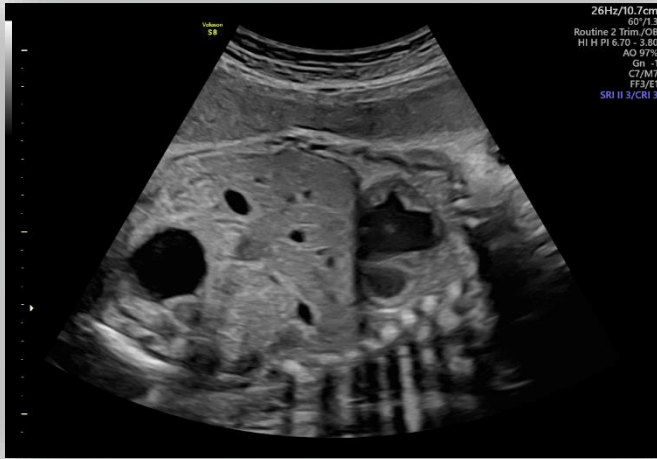
Image smarter with increased power for easy acquisition and processing of advanced imaging formats and applications

- Foundation of all Voluson 's extraordinary images and performance
- Utilizes common hardware and software elements across the entire Voluson portfolio
- Expanded capabilities for increased image quality, frame rates, penetration = Radiance System Architecture



# The Powerful Voluson Core Architecture

Power comes from a seamless synergy between probes and platform. The result is excellent 2D and 3D/4D image quality, quickly, easily – without the need to spend time adjusting the controls.



Superb clarity and detail resolution in 2D images



Easy to acquire 3D/4D imaging to provide more information and assist in patient communication



Outstanding sensitivity through advanced color Doppler when assessing anatomy and function

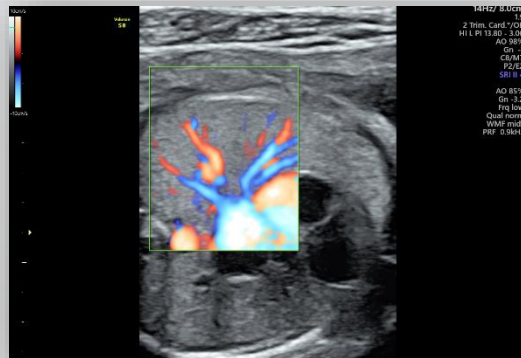
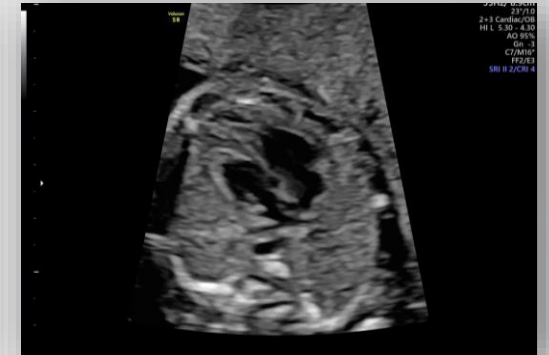
# Advanced 2D probes

Designed for outstanding image quality on all exams and body types with minimal user interaction



## C1-5-RS probe

Abdominal probe for excellent image quality and penetration when scanning larger patients



## 9L-RS probe

High-frequency specialty probe for detailed 1<sup>st</sup> trimester exams



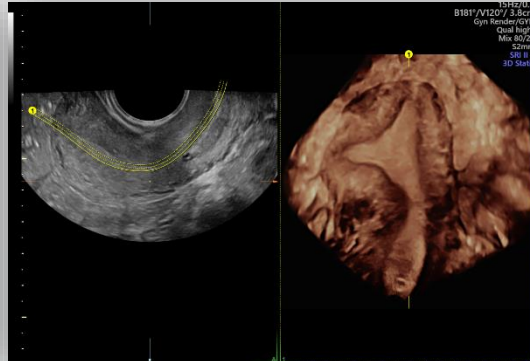
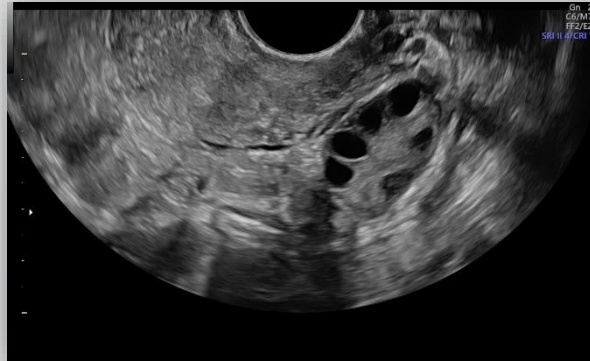
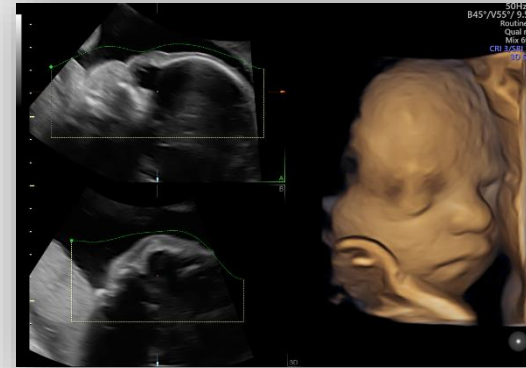
# Advanced 3D probes

Designed for outstanding image quality on all exams and body types with minimal user interaction



## RAB6-RS probe

Ultra-light volume probe that is 40% lighter compared to the RAB4-8-RS for comfort and up to a 40% increase in field-of-view for more vital information



## RIC5-9-RS probe

Wide band convex volume probe for 1<sup>st</sup> trimester and gynecological exams



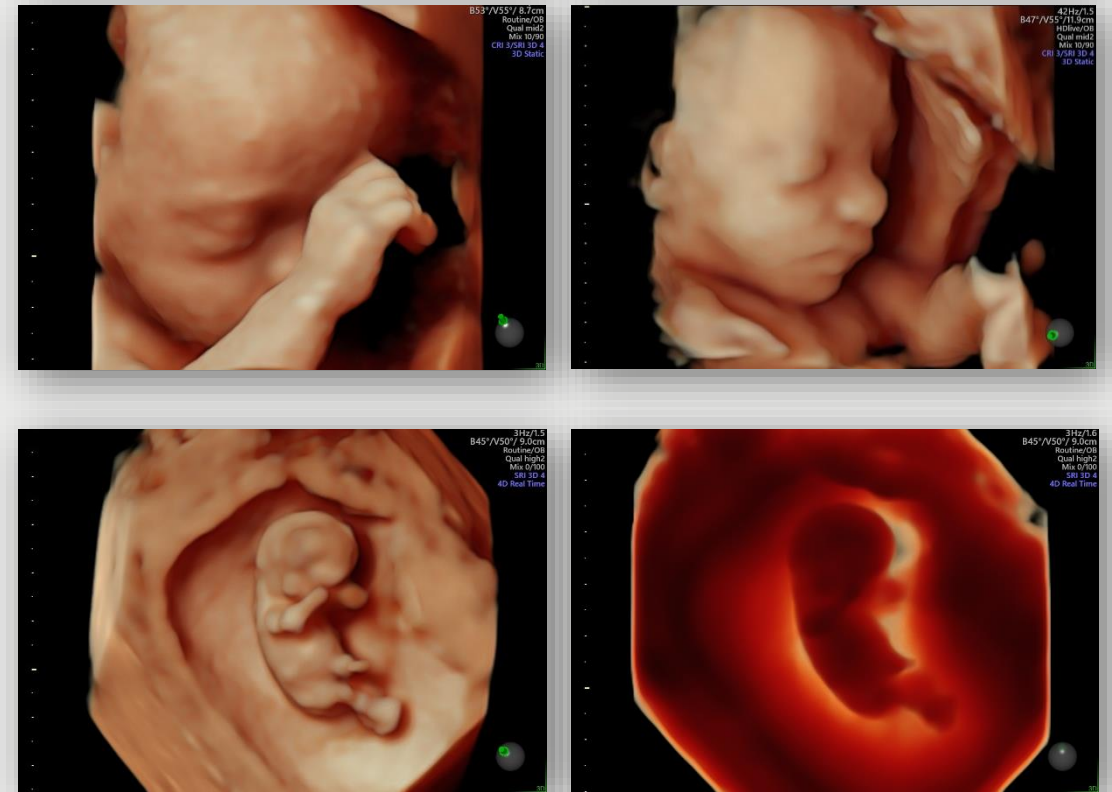
# HD*live* Technology - *Your Vision, New Perspectives*

Having more information can help enrich clinician-patient communication and facilitate a more complete understanding of exam results. Reveal a unique clinical perspective of fetal and female anatomy that brings unprecedented anatomical realism.

While conventional ultrasound uses a fixed light source that reflects light off the skin surface, HD*live* offers a movable virtual light source and calculates the propagation of light through skin and tissue.

Freely position the light at any angle relative to the ultrasound volume to illuminate areas of interest with the trackball. Position the light source behind the acquired volume and you will present the effect of translucency.

It can also help enrich clinician to patient communication, facilitating a more complete understanding of exam results and visual connection.

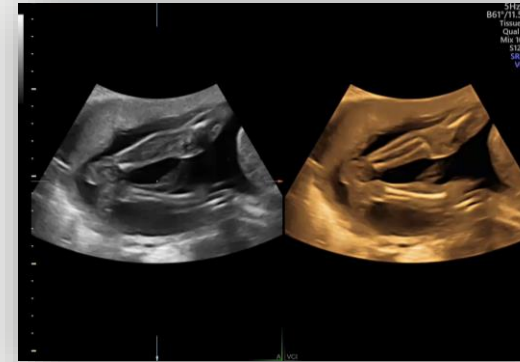


# Effortless Imaging

Obtain a more complete image with less effort and the ability to see irregularly shaped structures with ease

## Volume Contrast Imaging (VCI)

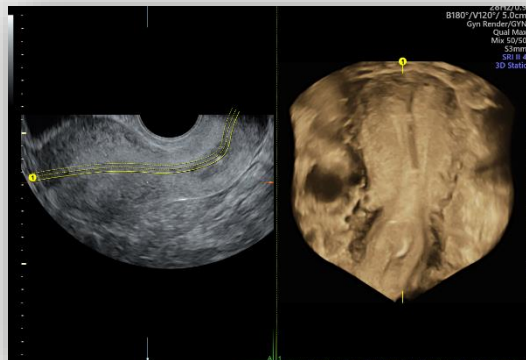
Adjusts slice thickness on 3D or 4D images to help enhance contrast resolution with use of render techniques such as bone and tissue renderings. Can be applied in the acquisition plane (VCI-A), static 3D volumes, or OmniView



Lower Legs with VCI-A



Fetal ribs with VCI-A



IUD evaluated using OmniView



Fetal Spine with poly-line

## OmniView

Obtain any plane from a 3D or 4D volume by simply drawing a line, curve, poly-line or trace through a structure. This valuable technology enables views of even irregularly shaped structures not attainable in 2D imaging

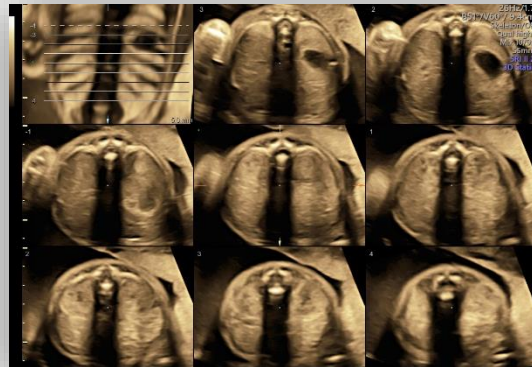
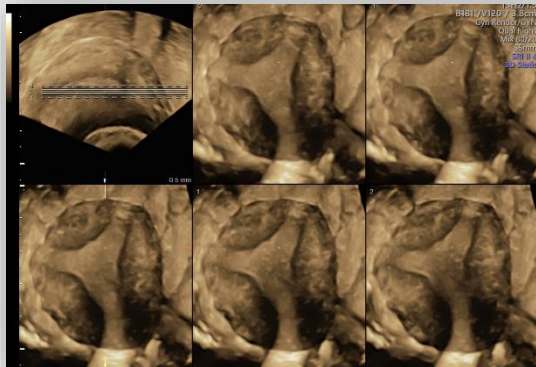
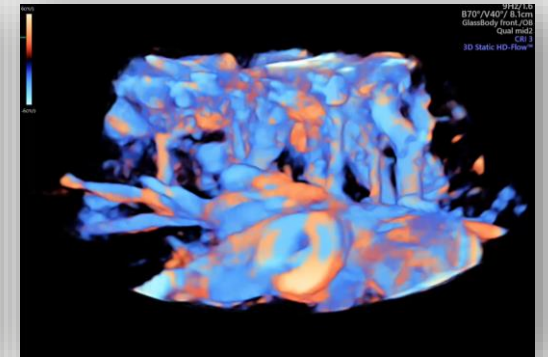
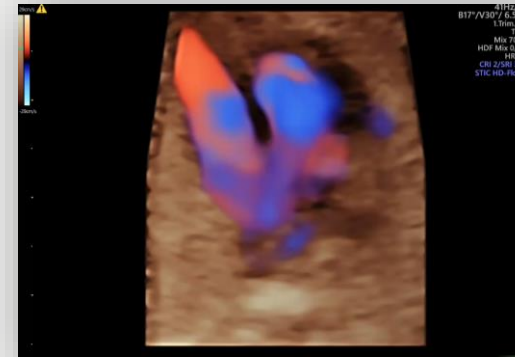


# Sophisticated Imaging Support

Obtain a more complete image with less effort and the ability to see irregularly shaped structures with ease

## HD-Flow

Bi-directional Doppler feature that reduces overwriting and increases sensitivity over conventional color Doppler.



## Tomographic Ultrasound Imaging (TUI)

Helps simplify analysis and documentation of dynamic studies with a simultaneous view of multiple parallel slices of a volume data set.

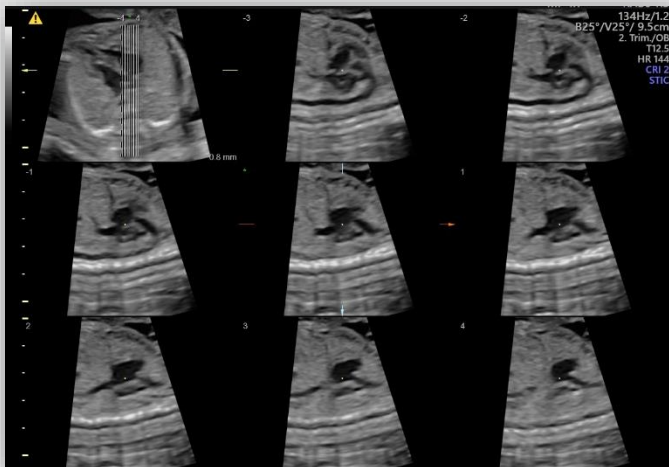
# ENRICHING YOUR TIME

Bringing daily balance and fulfillment



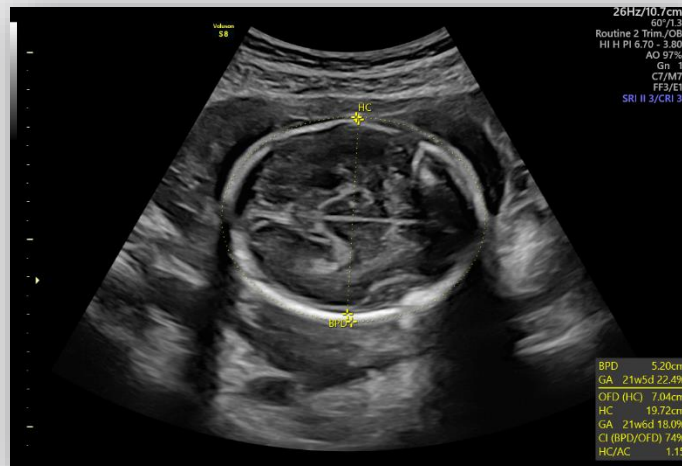
# Voluson Sono-Automation Technology

Improve scanning productivity and spend more time with patients or practice demands with Sono-Automation by decreasing complexity and increasing consistency



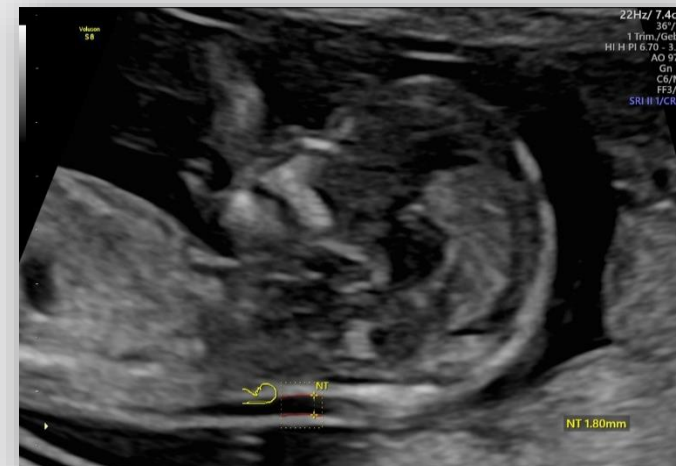
## SonoVCAD™*heart*

(Sonography-based Volume Computer Aided Display heart) –By standardizing the orientation from a single volume or STIC acquisition, SonoVCAD<sub>heart</sub> can automatically extract views recommended by societies



## SonoBiometry

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



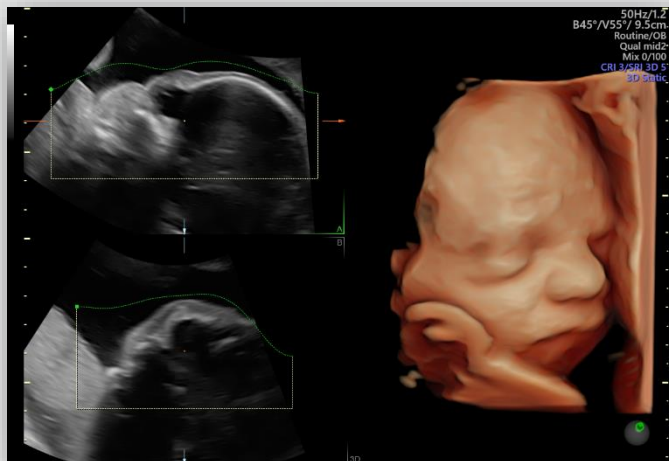
## SonoNT™/SonoIT

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



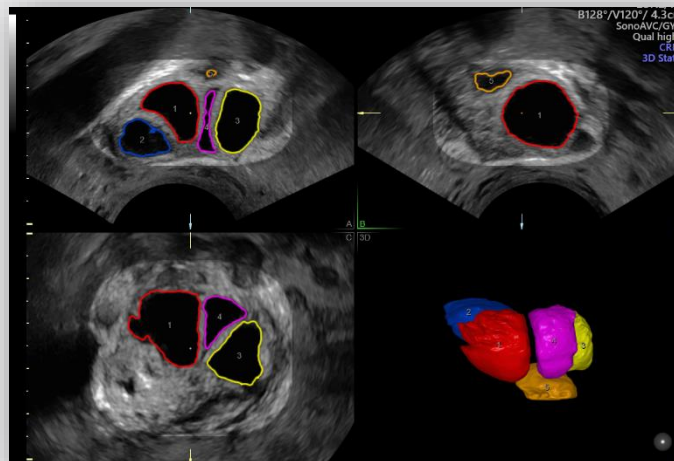
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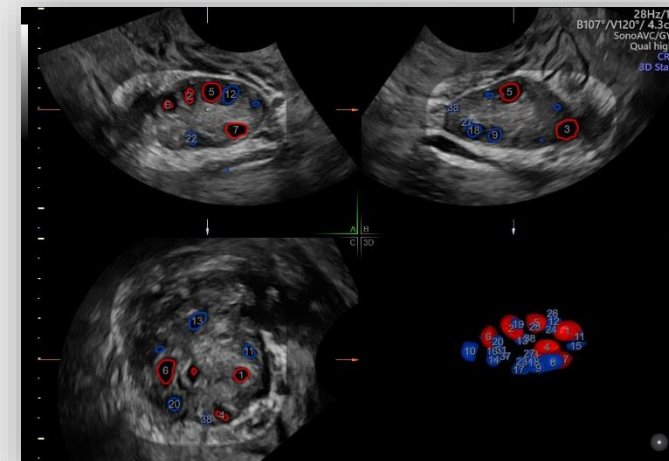
## SonoRenderlive

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



## 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



## SonoAVCantral

Automatically counts the number of antral follicles in the ovary and helps categorize into user defined size groups

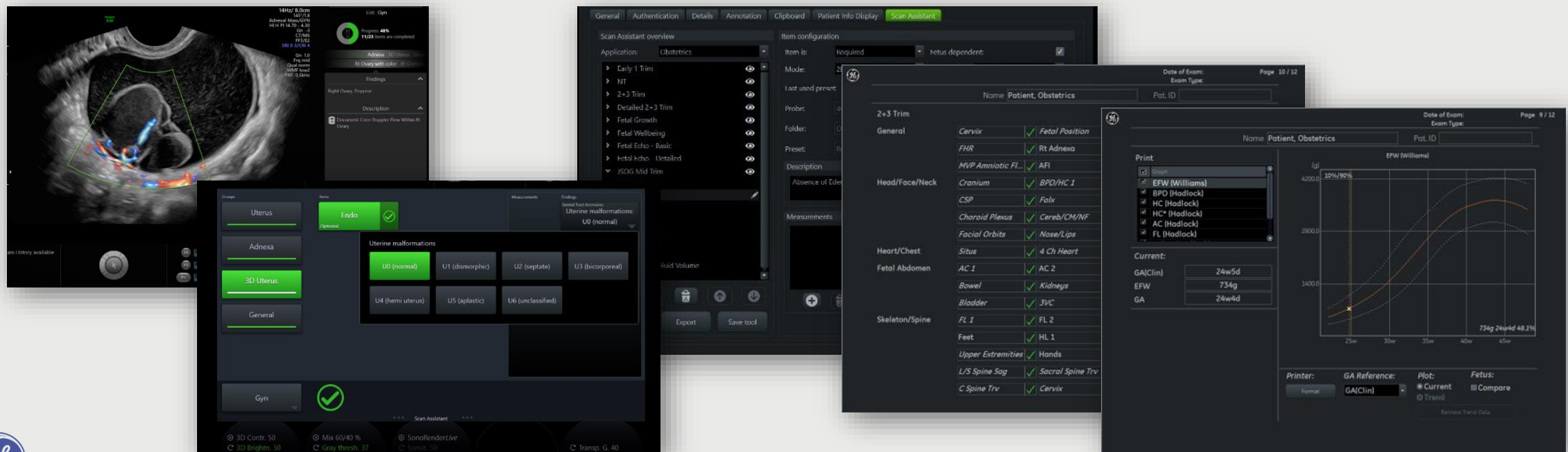


# Scan Assistant Exam Protocols

Balance imaging schedules while increasing patient satisfaction with complete exams and less callbacks

This flexible, customizable exam protocol helps reduce time required to conduct and document results by guiding you through an exam more efficiently, aiding in annotation, measuring, and reporting, and transferring data to an image management system or PACS based system on your order sequence and output requirements

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



# Discover 3D Printing

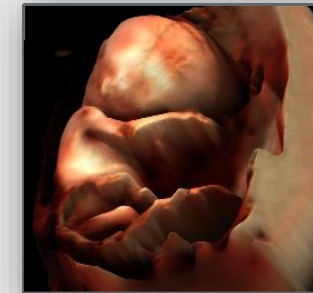
Explore for parent bonding, rapid clinical prototyping, and research

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.

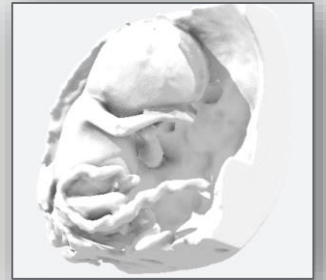
- Projected mesh data sets produce surface renderings without overhanging elements. Therefore, only leading edge surfaces will be generated.
- Full mesh data sets produce overhanging, free standing structures in addition to the surface views. Demonstrating spaces and cavities.
- In addition, full mesh 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.



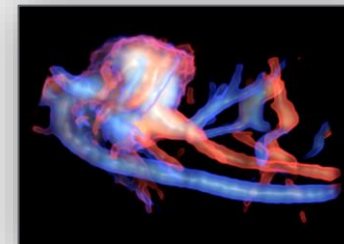
Ultrasound Volume



Projected Mesh



Full Mesh



Ultrasound Volume



Full Mesh

# Voluson Design Innovation

Raising your comfort level to transform your day and patient care

## Modern design

- 23" widescreen monitor with customizable layout - View measurement data and images side-by-side excellent for comparison and trending
- 10.1-inch touch panel with Voluson xTouch innovation
- Quick and easy 1-button control panel up/down function for optimal positioning
- 4 Active probe ports to reduce exam disruptions with more probes ready to go
- Small footprint, lightweight console

## Simplified workflow

- Optimized key locations specifically designed for women's health exams
- xTouch capabilities on touch panel include intuitive volume navigation for 3D manipulations including x/y/z rotations, zoom, and MagiCut
- Battery pack offers 20 minutes of scan time and fast wake time of ~15 seconds sleep mode
- 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 clips from the Voluson with Tricefy® inside



# 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 image archiving and sharing ultrasound images, clips and reports with patients and colleagues



# Cybersecurity is more than anti-virus software

You and your patients' safety and data privacy are our top priority. We work diligently to ensure Voluson ultrasound systems rely on the latest and most advanced security levels with the flexibility needed to efficiently manage your practice.

## DESIGNING THE MOST SECURE ULTRASOUND

Voluson ultrasound systems contain the following design elements to protect you out of the box.

- Windows® 10 operating system
- Whitelisting – limiting software programs that can run on a system to those identified and approved in advance.
- Dedicated portal to download urgent software fixes
- Software services embedded in the operating system which are not required to run on an ultrasound system are removed or disabled
- Network ports not required for data communication are disabled to minimize the risk of threat invasion
- Protection against USB-borne attacks by disabling any auto-run functionality and by scanning the USB stick for security threats immediately when connected

## MAINTAINING PATIENT PRIVACY AND SECURITY

Protect locally stored information against theft or corruption.

### Secure sharing

- Hard Drive (HD) encryption – AES Encryption with 256 bit length
- Encrypted DICOM® Communication Capability (TLS).\*
- Securely share ultrasound information via the cloud with Tricefy™

### User management

- Easily manage ultrasound system access for multiple users with individual log on credentials – define adjustable access levels to system functionality based on user need
- User access credentials can be managed remotely by means of a Lightweight Directory Access Protocol (LDAP) interface
- Voluson can monitor and record any security-related activities including user logins, data handling and networks connections generating an audit trail and usage logs



# LIKE FAMILY – WE'RE HERE FOR YOU

*Expand your expertise and practice*



# 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

[www.volusonclub.net](http://www.volusonclub.net)

## Service & Support

Count on responsive service and support from dedicated staff and programs that truly meet your training, equipment maintenance, transducer protection, and flexible financing

- Probe protection and financing to help meet your budget goals
- Reliable, responsive service to keep your system performing well, day after day, so you can maintain your schedule and protect your investment
- Access to system upgrades so your system can grow in capabilities as your practice grows





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