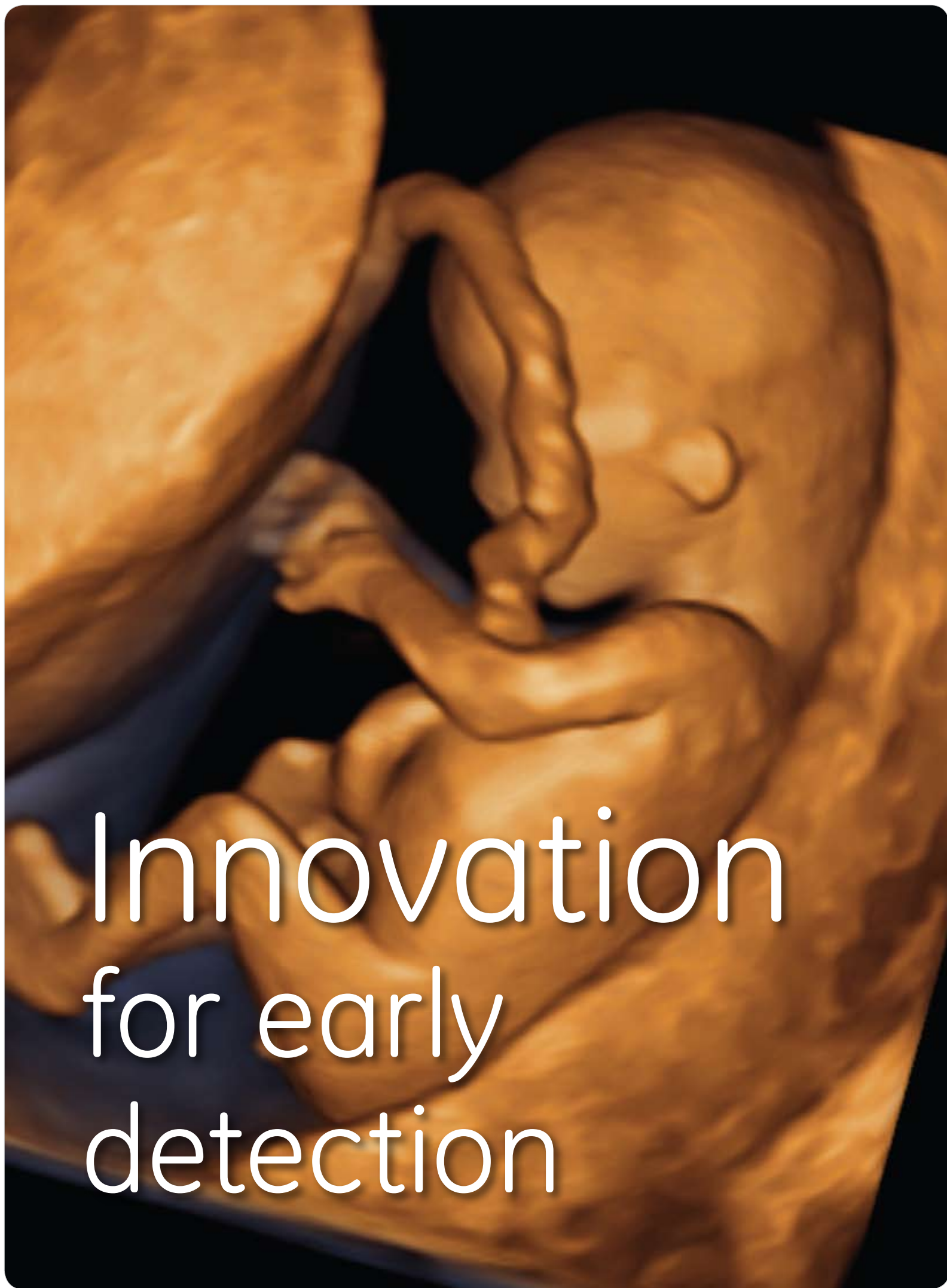


Voluson E8

Extraordinary vision





Innovation for early detection



Throughout the years, your feedback has driven all our technological advancements, helping to make GE Healthcare a leader in women's health ultrasound. Working together, we have continued to evolve the Voluson® family of products.

This means developing technology that allows you to find anatomical information that couldn't be seen before. Providing you the ability to confidently explore fetal images in the earliest stages. Introducing more automation to facilitate more efficient and reproducible exams. Transforming the way you examine ultrasound data from a single sweep. Enabling you to focus on early prevention rather than late diagnosis.

Our commitment to you is to continue to enhance the powerful Voluson E8 to reach the next level of extraordinary vision.

Every new generation offers hope for the future. Our next-generation technology helps deliver the innovation you need.

No ordinary ultrasound system can give you extraordinary vision.

Only a premier system that has been equipped with innovative technology could possibly produce the level of image quality and tools you need to help make critical clinical decisions with confidence. After reviewing the technology behind the images, we hope you see how extraordinary the Voluson E8 is.

Commitment to Early Health

We aim to help you improve patient care with technology that allows you to focus on early prevention rather than late diagnosis. Our goal is to help clinicians detect disease earlier, access more information and intervene sooner. We call this model of care Early Health.

High Resolution 4D endovaginal probe (RIC 6-12-D) –

This probe helps you detect the finest details earlier in the first trimester and in gynecology exams.

SonoNT (Sonography-based Nuchal Translucency) –

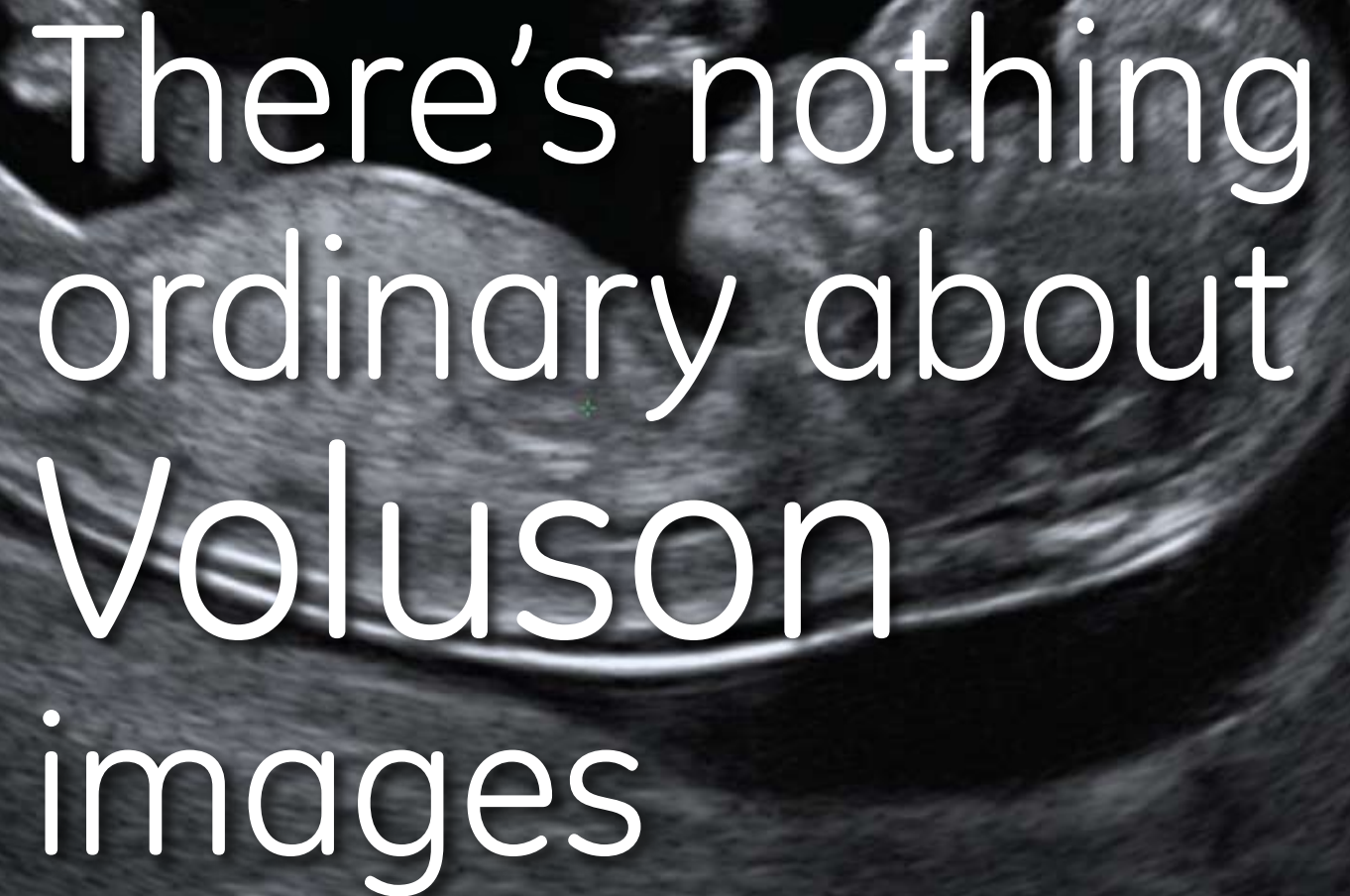
An exclusive technology that provides semi-automatic, standardized measurements of the Nuchal Translucency as early as 11 weeks. This tool helps to avoid the inter- and intra-variability that comes with manual measurements, as well as over- and underestimation. SonoNT™ helps provide you with the reproducibility you demand, and can integrate easily into your workflow.

Next-generation volume ultrasound imaging

Dynamic Rendering Engine – The next level in 3D rendering. The harmonization between the Voluson platform, Dynamic Rendering Engine and innovative probes helps give you extraordinary image quality and seamless operation. Your entire imaging staff will appreciate being able to acquire and analyze images in mere seconds with just the touch of a button.

Advanced Volume Contrast Imaging (VCI) with OmniView – This tool can help improve contrast resolution and visualization of the rendered anatomy with clarity in any image plane, even when viewing irregularly shaped structures.

Advanced 4D including Tomographic Ultrasound Imaging (TUI) combines the most advanced 4D imaging capabilities of the fetal heart.



There's nothing
ordinary about
Voluson
images

Focus on image quality technology

Speckle Reduction Imaging (SRI) heightens visibility of organs and lesions with high-definition contrast resolution that suppresses speckle artifact while maintaining true tissue architecture.

CrossXBeam^{CR1}™ enhances tissue and border differentiation with an innovative, real-time spatial compounding acquisition and processing technique.

Continuing to be a leader in fetal cardiac assessment technology

Voluson E8 has helped transform the structural and functional analysis of the fetal heart with a suite of advanced fetal echo imaging technologies that include:

Advanced STIC (Spatio-Temporal Image Correlation) including STIC M-Mode and SonoVCAD^{heart} for a high-quality fetal echo examination.

Advanced STIC plus B-Flow offers an angiographic-like display for visualization of the fetal cardiovascular system.

Anatomical M-mode facilitates arrhythmia assessment and cardiac measurements.

Innovative women's health tools

3D HyCoSy (Hysterosalpingo Contrast Sonography) – An exciting new tool that helps expand your in-office capabilities, facilitating gynecological exams with a new, non-ionizing procedure for tubal patency assessment with 3D display of fallopian tubes.

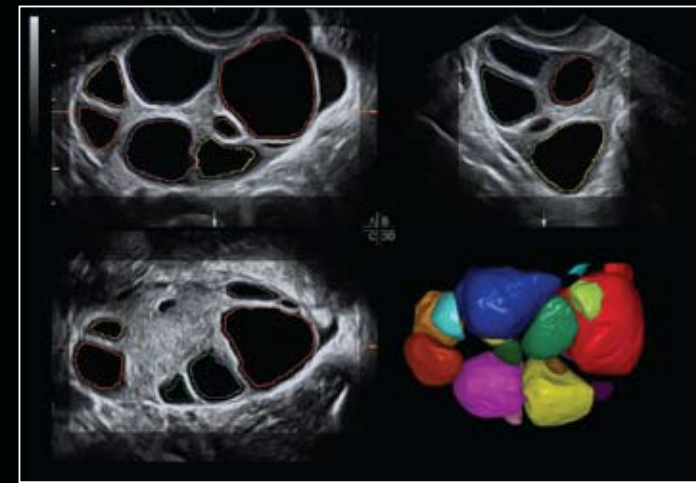
Elastography – A highly sensitive tool for women's healthcare to help with early evaluation and classification of simple and complex masses. Available both on the linear and endocavity probes.



Surface rendering with Dynamic Rendering Engine of a first trimester fetus



High resolution 2D imaging demonstrating excellent contrast resolution in this first trimester fetus



Follicle volume measurements during ovarian stimulation using SonoAVC^{follicle}

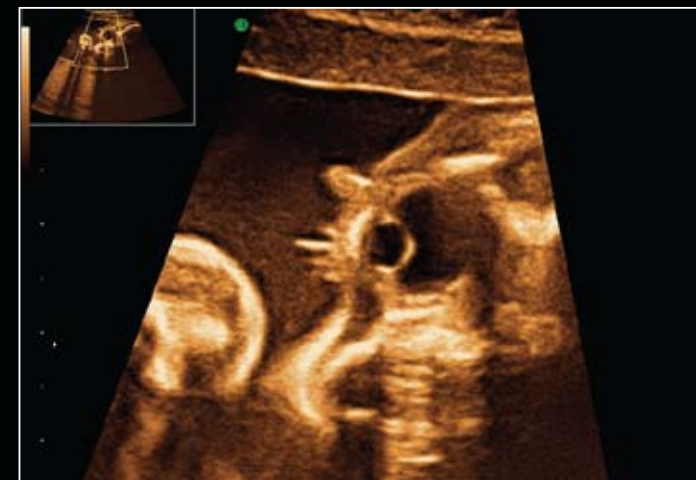
Simply extraordinary.



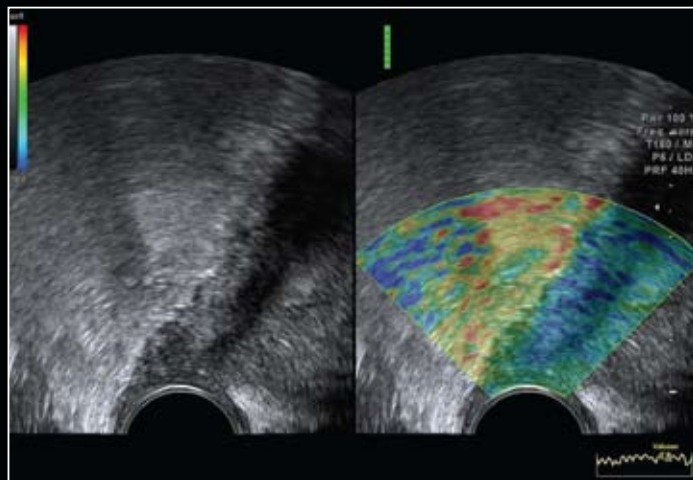
Tomographic Ultrasound Imaging (TUI) of fetal thorax demonstrates fetal hydrops. New CrossXBeam^{CR1} algorithm enhances fetal cardiac and pulmonary structures. Subcutaneous edema is also well demonstrated



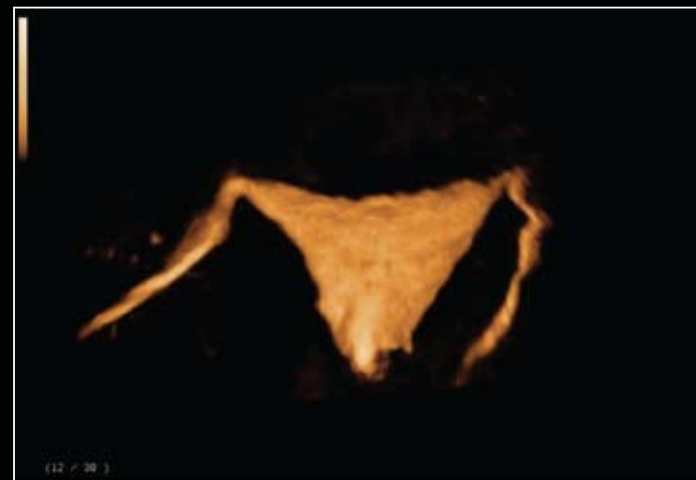
Rendering beyond the surface. Fetal facial bones, cranium and sutures displayed using skeletal rendering technique



Fetal eyelashes are seen with exquisite detail using our innovative technology



Elastographic display of a cervical carcinoma in the very near field of the image, displayed in green. The cervical myometrium on the right side on the elastograph is shown in blue, it is stiffer compared with the soft cervical carcinoma



3D HyCoSy demonstrates patent fallopian tubes in this infertility patient



Coronal plane of sub-septate uterus

Advanced probe technology

Extraordinary vision starts with advanced probe technology. The Voluson E-Series supports a wide range of 2D and 3D probes, enabling quality images – especially in first trimester and complex gynecological exams.

Acoustic Amplifier technology recaptures unused energy that passes through the crystal for improved axial resolution and penetration.

C1-5-D abdominal probe helps deliver a high level of performance and improved penetration – even on your largest patients.

C4-8-D high frequency abdominal probe helps provide exceptional high resolution obstetrical images during each trimester.

ML6-15-D linear probe features matrix technology for breast imaging, providing maximum spatial resolution and image uniformity in a 50 mm footprint.

Next-generation volume matrix probes (RM6C & RM14L) for high-resolution convex and linear volume imaging.

9L-D abdominal 2D wide-band linear probe helps provide high-quality images in the first trimester.



Helping improve patient care with automation.

We understand the need for consistency in exams, for data that can be reproduced repeatedly, regardless of who is performing the ultrasound exam. So, we continue to develop automated tools that help provide assistance in complicated exams and produce results you can count on.

Increased levels of automation for specialized exams

SonoNT (Sonography-based Nuchal Translucency) – New tool that helps standardize measurement of the Nuchal Translucency, and can provide reproducible results between users and examinations.

SonoAVC™ follicle (Sonography-based Automated Volume Count follicle) – Automatically calculates the number and volume of hypoechoic structures in a volume sweep, helping improve efficiency and workflow of follicular assessment.

SonoVCAD™ heart (Sonography-based Volume Computer Aided Display heart) – Helps standardize image orientation of the fetal heart by providing views automatically obtained from a single volume acquisition.

SonoAVCgeneral – Research tool to help provide visualization and measurement of hypoechoic structures within anatomy such as the fetal brain, kidneys and gynecological sonohystograms.

SonoVCADlabor – Helps you evaluate second-stage labor progression, and automatically documents the labor procedure with objective ultrasound data

Automation to streamline everyday work

SonoRender Start – New auto optimization tool expands into 3D examinations, helping make 3D rendering easier for all users.

Scan Assistant – Customizable and user-friendly tool that helps improve quality assurance, increase exam consistency and enhances productivity.



Fully-articulating arm

- Monitor turns independently of console to help improve visibility

Adjustable console

- Height adjusts electronically to user preference
- Console “floats” and smoothly locks into place
- Console keys are right where you need them

Easy transport

- One of the lightest and smallest premium consoles available
- Four-wheel swivel with steer and lock

19-inch, high-resolution flat screen monitor

- Large screen helps reduce eye fatigue
- Bigger image size, picture area and clipboard size helps increase visibility and clarity
- Customizable screen enables side-by-side comparisons of current and previous exam results

Intuitive user interface

- Fewer keystrokes and manipulations
- 3D manipulations from trackball or rotation knobs
- Separate 3D and 4D buttons help reduce keystrokes

User friendly innovation

In designing the Voluson E8, we were committed to keeping the people who use it our priority. We envisioned a system that would be enjoyable to use on a daily basis. One that was intuitive, with customizable features to help increase user comfort level. So we built an ergonomic system to help reduce fatigue, strain and repetitious actions. And just as important, a user-friendly system that allows you to focus more on the patient while scanning.

Ease of use continues after image acquisition.

With ViewPoint, our powerful ultrasound data management solution, you can streamline workflow. Seamless digital connectivity gives you more freedom and flexibility, and improves the archiving of images, volumes and structured reports.

- Helps save time and ensure accuracy by transferring image and measurement data with one click
- Interface with enterprise-wide systems, such as EMR and PACS for data when and where you need it
- Quickly create reports while capturing data for later analysis. Optimize, manipulate and analyze volume ultrasound data offline to free your ultrasound system for imaging more patients
- Access robust databases to document findings

We're beside you all the way.

- 24/7 service and support
- Remote applications support
- In-depth, hands-on training
- On-site applications training
- Access to clinical research studies and articles
- Commitment to innovation and a clear upgrade path
- Wide range of financing options



Join the club. VolusonClub.

VolusonClub is an online network of Voluson ultrasound users. Membership can help you experience the full diagnostic power of your Voluson ultrasound system.

www.VolusonClub.net

Environmentally responsible for future generations.

The Voluson E-Series ultrasound systems are among the most energy-efficient in the industry. That means with every image you'll be using less energy, saving money and contributing to a better environment. It's part of the GE commitment to invest in innovative solutions to environmental challenges while empowering you with advanced tools for healthcare delivery.

About GE Healthcare

GE Healthcare provides transformational medical technologies and services that are shaping a new age of patient care. Our broad expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, biopharmaceutical manufacturing technologies, performance improvement and performance solutions services help our customers to deliver better care to more people around the world at a lower cost. In addition, we partner with healthcare leaders, striving to leverage the global policy change necessary to implement a successful shift to sustainable healthcare systems.

Our "healthymagination" vision for the future invites the world to join us on our journey as we continuously develop innovations focused on reducing costs, increasing access and improving quality around the world. Headquartered in the United Kingdom, GE Healthcare is a unit of General Electric Company (NYSE: GE). Worldwide, GE Healthcare employees are committed to serving healthcare professionals and their patients in more than 100 countries. For more information about GE Healthcare, visit our website at www.gehealthcare.com.

GE Healthcare
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Wauwatosa, WI 53226
U.S.A.



A focus on improving healthcare

Healthymagination is our commitment to continuously develop innovations focused on reducing cost, increasing access and improving quality of patient care. Voluson's suite of automated technologies are Healthymagination validated. This validation helps ensure that clinicians will not only reduce costs through improved efficiencies, but will also increase quality of care through standardization and ease of automation.



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