

GE Healthcare



Day of Stimulation: Left Right

Ovary:

Nr	dx1	dx2	dx3	dx4	mean d	V
20.7	36.1	30.4	26.1	30.9	33.71	
26.4	31.0	29.1	21.7	27.3	26.61	
19.9	24.3	20.1	17.5	20.6	4.34	
19.9	23.9	20.9	17.3	20.6	4.30	
15.6	19.7	17.1	11.6	16.7	1.90	
15.5	23.2	13.4	13.4	16.2	1.90	
15.5	18.6	16.7	13.9	16.4	1.94	
11.9	15.9	14.3	8.5	12.9	0.87	
11.3	20.3	9.6	8.6	12.9	0.87	
8.8	14.8	11.2	3.8	10.6	0.36	
8.7	12.5	8.9	6.4	9.6	0.25	
8.6	12.1	8.8	5.6	9.2	0.19	
7.9	10.3	8.1	5.5	8.2	0.23	
7.4	11.4	7.0	6.0	8.1	0.22	
6.9	9.2	7.7	4.9	7.3	0.17	
5.7	12.3	4.7	3.7	6.9	0.10	
3.4	4.3	3.9	2.6	3.9	0.02	

Voluson E8 Expert

Render Sectional Planes TUP VOCAL VOCAL Heart SonoAVC

Exit ROI

ColMerge

Display Boundary

Init

Ref. Image

3D Init

Th. Low

Separation High

Growth mid

3D

Filled

Add to Report



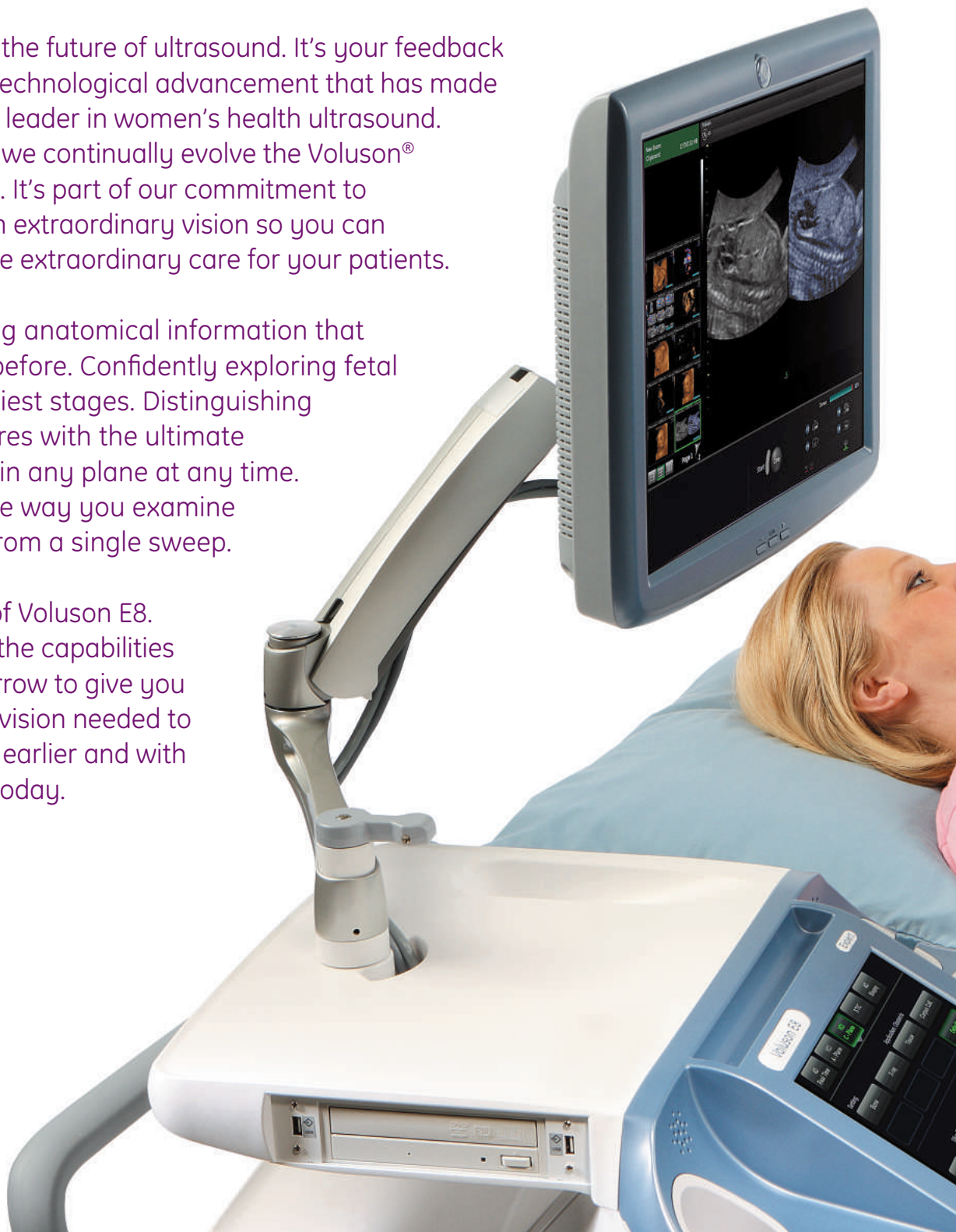
Voluson E8
Extraordinary vision

Extraordinary vision begins with you.

Your needs shape the future of ultrasound. It's your feedback that drives every technological advancement that has made GE Healthcare the leader in women's health ultrasound. Working together, we continually evolve the Voluson® family of products. It's part of our commitment to empower you with extraordinary vision so you can continue to provide extraordinary care for your patients.

That means finding anatomical information that couldn't be seen before. Confidently exploring fetal images in the earliest stages. Distinguishing the tiniest structures with the ultimate clarity. Analyzing in any plane at any time. Revolutionizing the way you examine ultrasound data from a single sweep.

That's the power of Voluson E8. It's designed with the capabilities and tools of tomorrow to give you the extraordinary vision needed to diagnose patients earlier and with more confidence today.





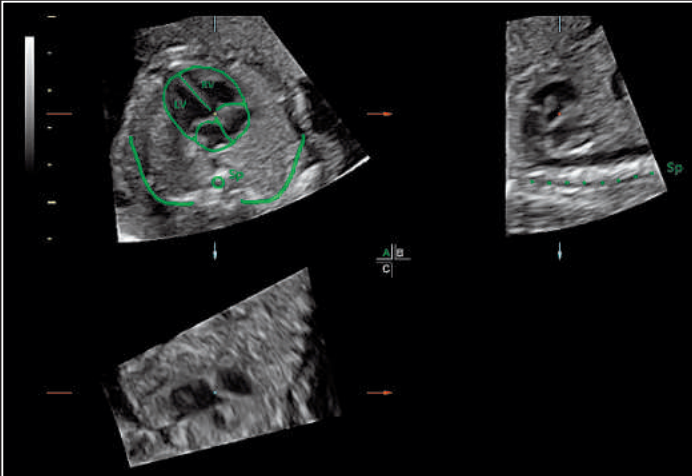


Ten-week fetus with cystic hygroma using high frequency endovaginal probe (RIC6-12D) demonstrating excellent detail resolution using Speckle Reduction Imaging (SRI)

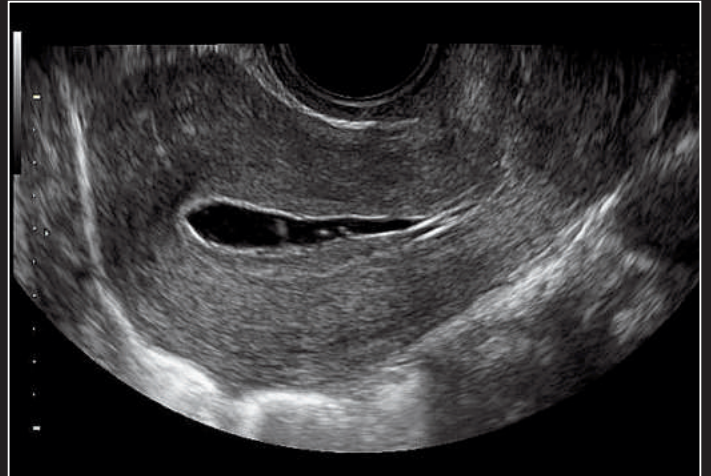


3D surface rendering of an 11-week fetus using the RIC6-12D endovaginal probe and SRI plus CrossXBeam^{CR1}™

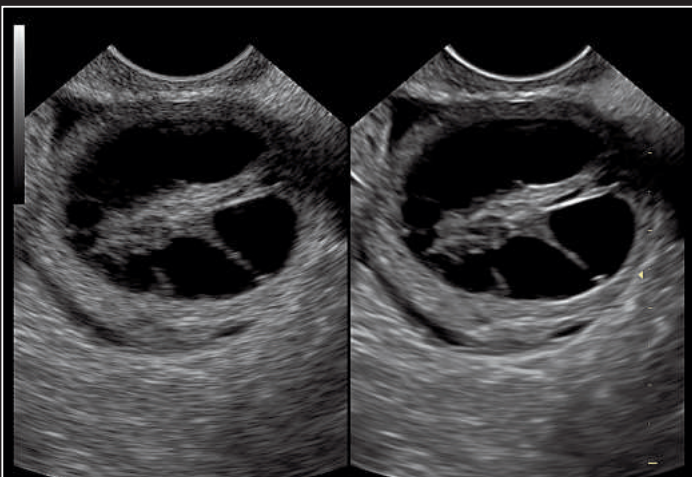
When we say extraordinary vision



Sonography-based Volume Computer Aided Diagnosis (SonoVCAD) reference image, displaying graphic plane that is matched to the four-chamber heart image; once matched, the system can automatically obtain five separate views of the fetal heart



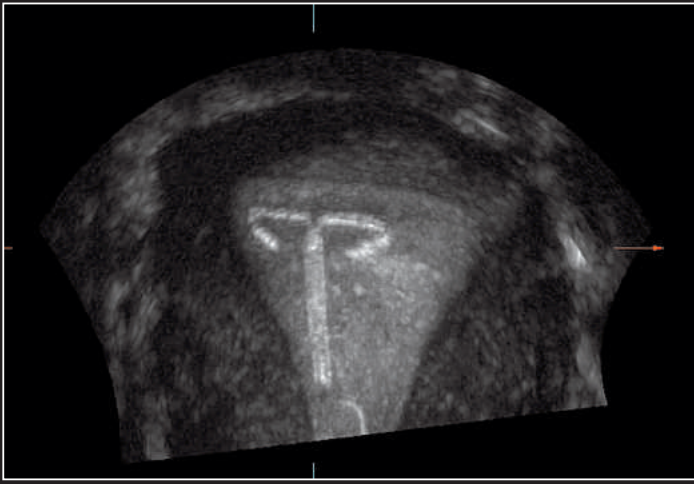
Entire length of uterus shown during saline infusion using wide sector technology



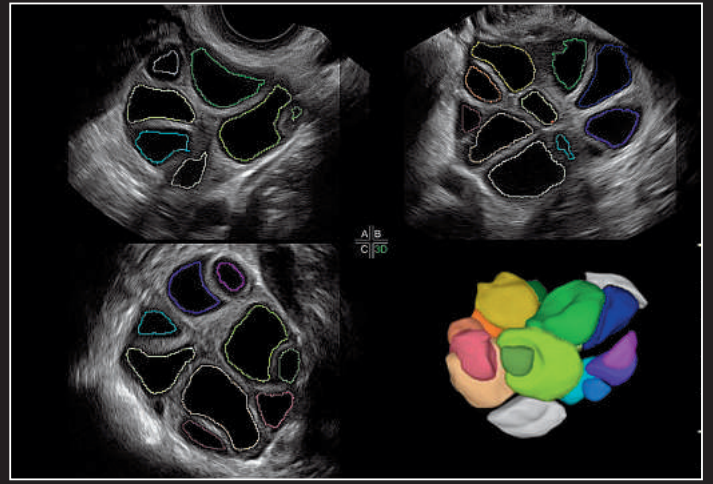
Complex ovarian mass using the side-by-side comparison of fundamental and SRI plus CrossXBeam^{CR1}



3D rendering of a 20-week fetal skeleton demonstrating the bony pelvis



Coronal image of a uterus with an IUD

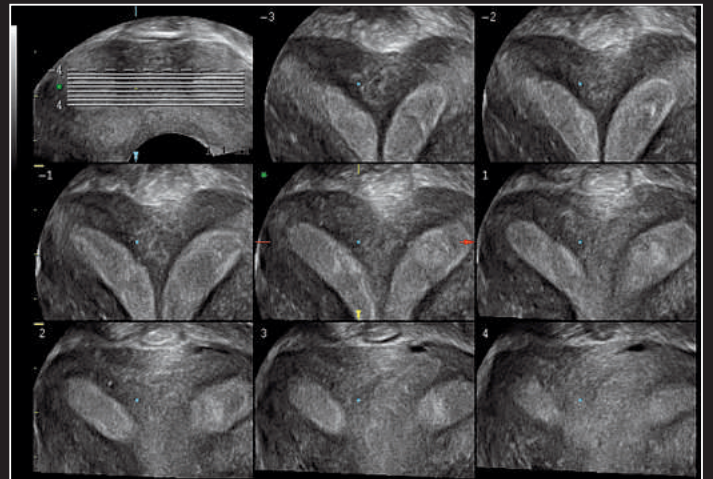


Stimulated ovary using Sonography-based Automated Volume Count (SonoAVC™) demonstrating a single 3D volume, which automatically counts and measures the follicles

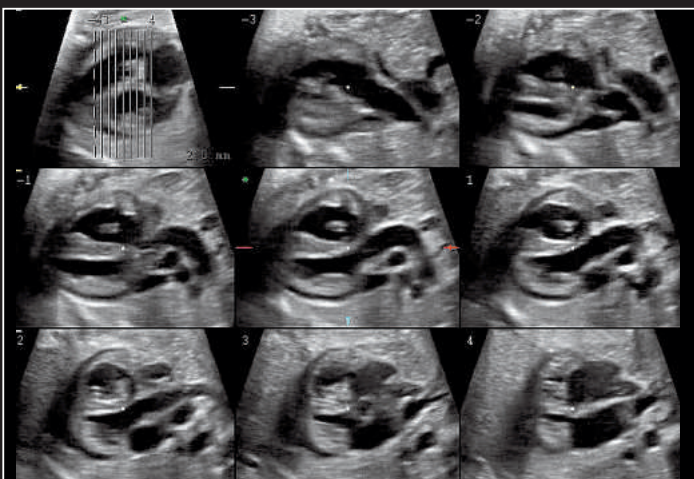
n, this is what we're talking about.



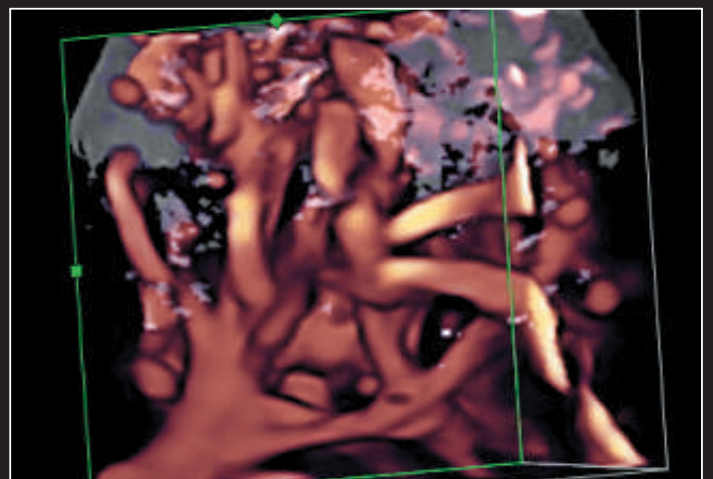
3D skeleton rendering of an 18-week fetus using coronal curved-line Volume Contrast Imaging (VCI-C) clearly demonstrating the normal cervical and thoracic spine and the 12 ribs acquired



3D volume of a bicornuate uterus displaying the coronal plane in TUI



Tomographic Ultrasound Imaging (TUI) display of a fetal heart volume acquired using Spatio-Temporal Image Correlation (STIC) demonstrating the normal relationships of the pulmonary artery and aorta



Glass body 3D rendering of placental vasculature using power Doppler

Innovative technology enables extraordinary vision.

We listened to what you needed. And we answered those needs with revolutionary innovations in women's health ultrasound. These are just a few of the Voluson E8 advancements that enable you to make clinical decisions with enhanced confidence.





Innovations in image quality:

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^{CRl} enhances tissue and border differentiation with an exclusive, real-time spatial compounding acquisition and processing technique.

HD-FlowTM uses a bi-directional Doppler feature to achieve a more sensitive vascular study and reduce overwriting.

Volume Contrast Imaging (VCI) allows for better image quality in either a single plane or all three planes of a volume acquisition.

Innovations in probe technology:

High resolution 4D endovaginal probe (RIC6-12D) detects the finest details earlier in the first trimester and in gynecology exams, enhancing your diagnostic confidence.

Wide sector technology from curved array probes offers a larger field of view, enabling more anatomical information to be displayed in a single image than ever before.

Matrix array probes provide increased spatial resolution for better visualization.

Innovations in image automation:

Sonography-based Automated Volume Count (SonoAVC) automatically calculates the number and volume of hypoechoic structures in a volume sweep.

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

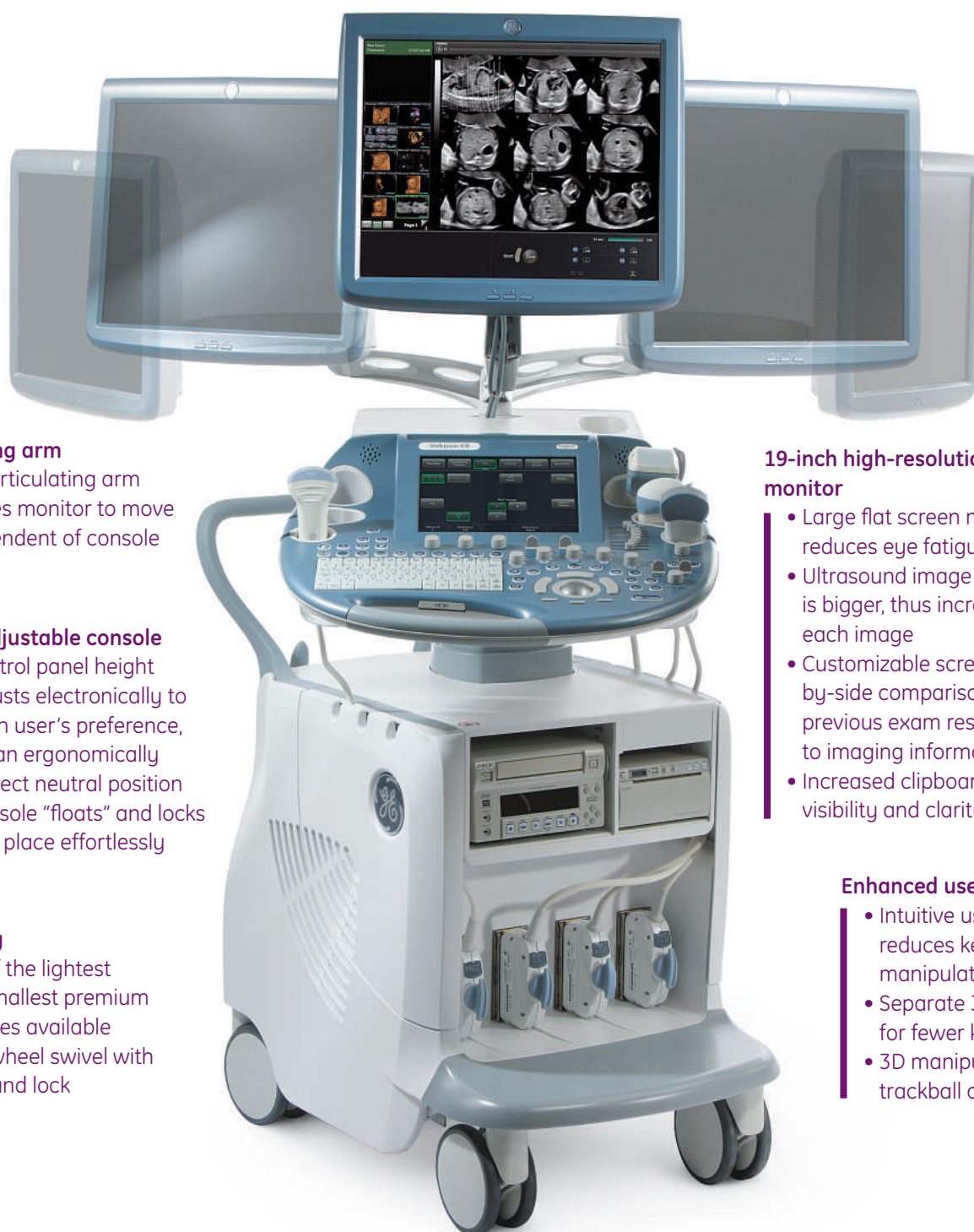
Innovations in image analysis:

Spatio-Temporal Image Correlation (STIC) captures a full fetal heart cycle beating in real time, and the volume can be saved for offline analysis.

Tomographic Ultrasound Imaging (TUI) makes analysis and documentation of dynamic studies easier with a simultaneous view of multiple parallel slices of a volume data set.

You inspired our design.

The Voluson E8 is built around you and designed for your comfort. That's why the design is small and light to effortlessly move wherever you need to be. The display is stunning, giving you extraordinary vision with ease. The control panel height adjusts electronically at the touch of a button. The console keys are right where you want them to be. It all adds up to an ergonomically correct position that's incredibly customized by you.



Articulating arm

- Fully articulating arm enables monitor to move independent of console

Fully adjustable console

- Control panel height adjusts electronically to each user's preference, for an ergonomically correct neutral position
- Console "floats" and locks into place effortlessly

Portability

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

19-inch high-resolution, flat screen monitor

- Large flat screen monitor design reduces eye fatigue
- Ultrasound image size and picture area is bigger, thus increasing the clarity of each image
- Customizable screen enables side-by-side comparisons of current and previous exam results, for easy access to imaging information
- Increased clipboard size improves visibility and clarity

Enhanced user interface

- Intuitive user interface reduces keystrokes and manipulations
- Separate 3D and 4D buttons for fewer keystrokes
- 3D manipulations from either trackball or rotation knobs

Connect to the information you need.

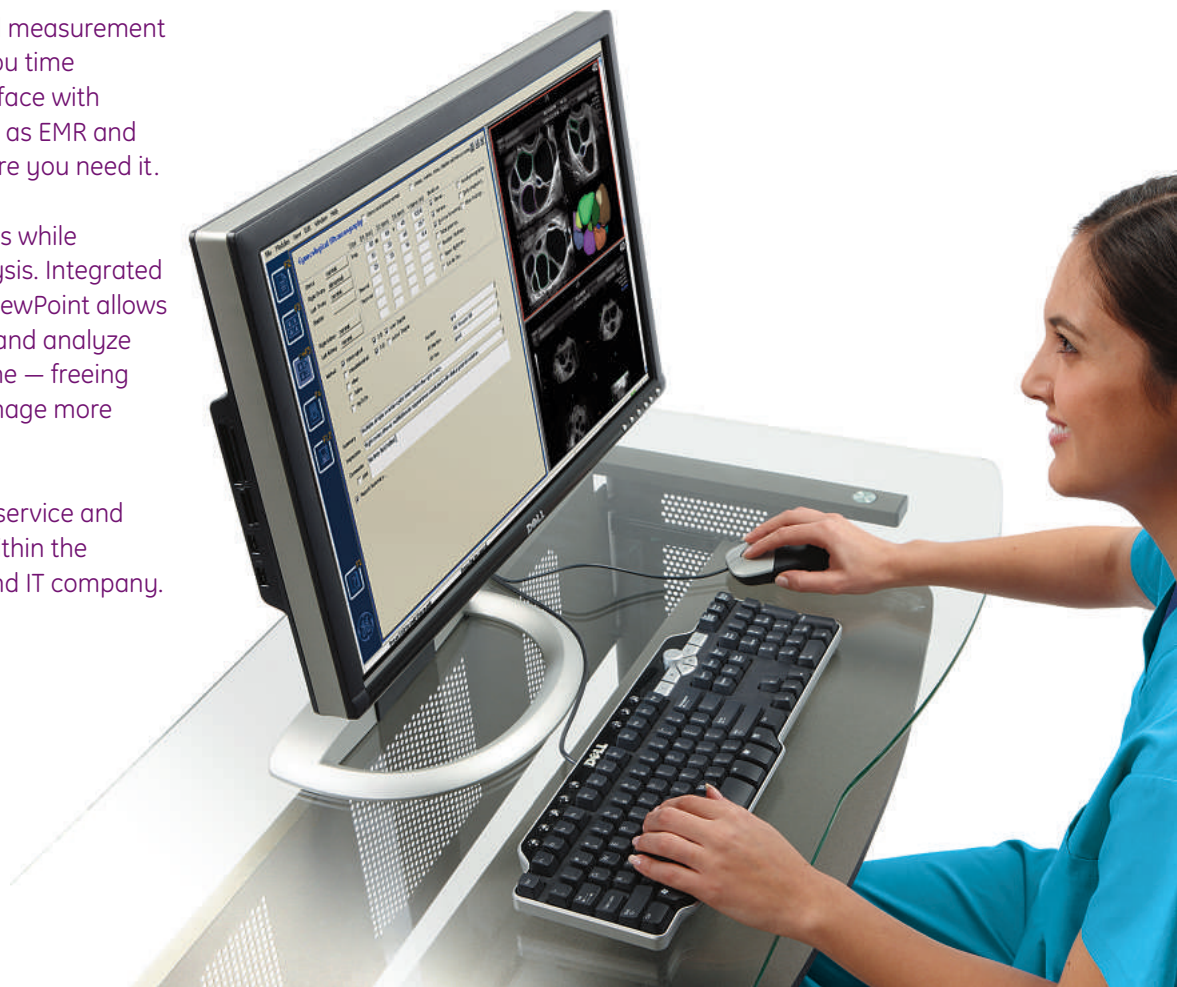
We take extraordinary vision even beyond imaging. It's also about making it possible for you to have the information you need right when you need it. Giving you access to robust databases to document findings. And making it easy for you to archive images, volumes and structured reports. These innovative measurement and reporting packages are all available for the Voluson E8.

When you combine Voluson E8 with ViewPoint — the powerful ultrasound data management solution from GE Healthcare — it's as simple as connect, report and relax.

Connect: Transfer image and measurement data with one click, saving you time and ensuring accuracy. Interface with enterprisewide systems such as EMR and PACS for data when and where you need it.

Report: Quickly create reports while capturing data for later analysis. Integrated Voluson 4D View plug-in to ViewPoint allows you to optimize, manipulate and analyze volume ultrasound data offline — freeing your ultrasound system to image more patients.

Relax: Enjoy the experience, service and support of a focused team within the world's leading ultrasound and IT company.





Meeting your needs is our priority.

Nothing is more important than your satisfaction. That's why we're always here to meet your service and support needs:

- Membership in global network of Voluson users — Learn, Network, Share at www.volusonclub.net
- 24/7 assistance by one of the best-trained and most widely deployed ultrasound service teams in the industry
- Remote applications support from the GE Ultrasound LiveAssist Center
- In-depth, hands-on training at the GE Healthcare Institute
- On-site applications training
- Access to clinical research, studies and articles that support clinical efficacy of volume imaging techniques
- GE Continuum, our commitment to breakthroughs and a clear upgrade path to bring future technologies to your Voluson E8 system
- Digital connectivity and data management with ViewPoint
- Financing resources for a wide range of financing options



GE imagination at work

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Healthcare Re-imagined

GE is dedicated to helping you transform healthcare delivery by driving critical breakthroughs in biology and technology. Our expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, and biopharmaceutical manufacturing technologies is enabling healthcare professionals around the world to discover new ways to predict, diagnose and treat disease earlier. We call this model of care "Early Health." The goal: to help clinicians detect disease earlier, access more information and intervene earlier with more targeted treatments, so they can help their patients live their lives to the fullest. Re-think, Re-discover, Re-invent, Re-imagine.

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