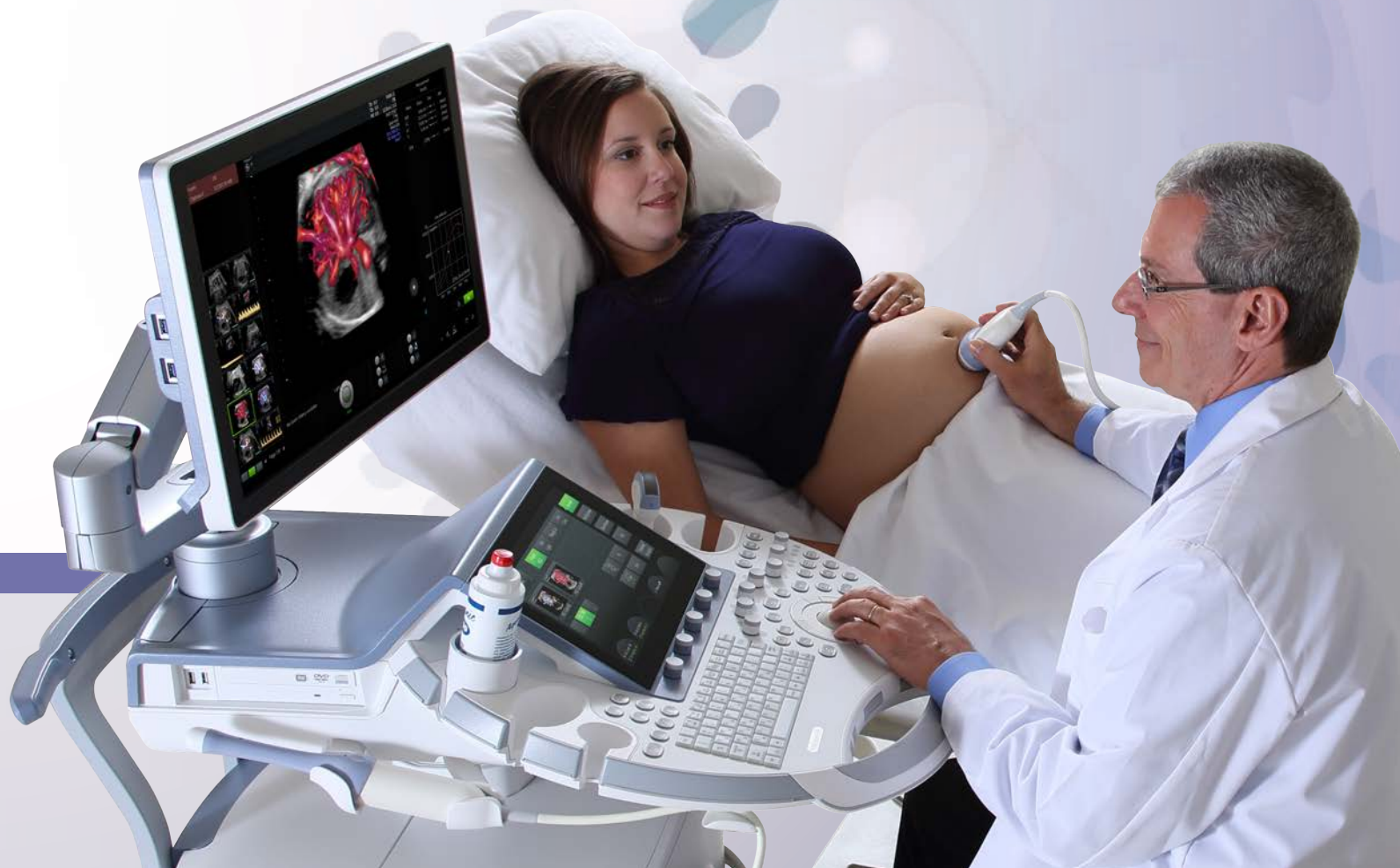GE Healthcare

Voluson E8

EXTRAORDINARY VISION

HIGH-VOLUME PRACTICES
REQUIRE IMAGE QUALITY AND EFFICIENCY

The more patients you see, the more you need Voluson™ E8.

The Voluson E8 ultrasound system is designed to keep pace with busy practices that conduct a wide range of Women's Health exams, from routine scanning to complex assessments.

Excellent flexibility and clinical efficiency – with access to automation and many advanced features from the Voluson E10, the Voluson E8 gives you the capabilities to:

- Image a comprehensive range of complex women's health issues
- Enhance workflow efficiency and productivity
- Deliver the high level of imaging excellence your practice demands
- Meet your current needs and expand your services

The imaging excellence of Radiance System Architecture – your diagnostic confidence will be enhanced by the extraordinary image clarity and speed of the Radiance System Architecture*:

- Advanced beamformer design – enhancing contrast resolution by moving more functions from hardware to software
- High performance CPU – delivering faster processing speeds and frame rates
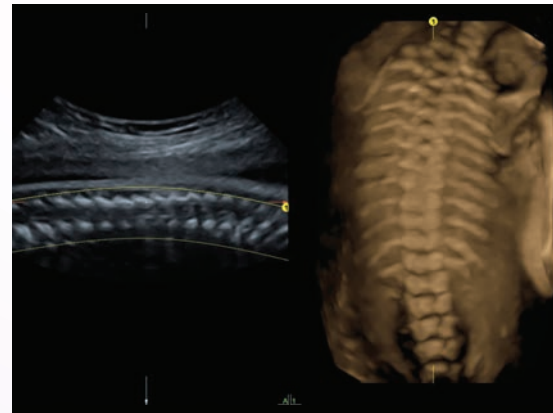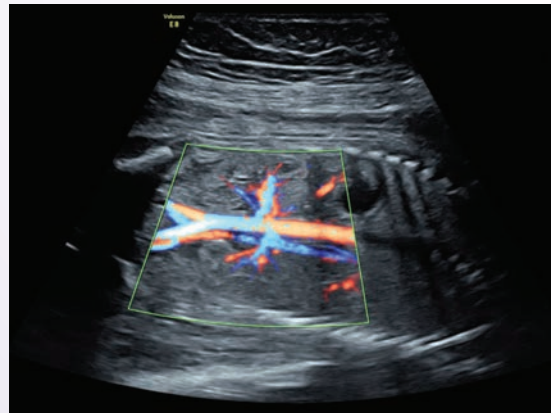- Parallel processing – improving image quality and frame rates

... delivering easy to acquire images, excellent color Doppler sensitivity and sophisticated 3D/4D technologies.

*Compared to Voluson Expert BT13.

CLARITY WITH EASE
EVERY DAY

A busy practice does not have time to manipulate settings to obtain image detail. With the innovative system architecture of the Voluson E8, you don't have to – it's all right there on the screen. From superb 2D images to our new 3D/4D imaging technologies, you get excellent image quality with minimal effort and time.

BRING YOUR VOLUME STUDIES TO LIFE

Volume ultrasound is an essential problem-solving tool for Women's Health practices. The Voluson E8 provides access to advanced rendering technologies – HD*live*™ Silhouette and HD*live* Flow – that bring out extraordinary detail in volumetric assessments. While workflow enhancements like SonoRender*live* help simplify surface rendering.

HD*live*

- **HD*live* –** this innovative rendering technology helps provide exceptional anatomical realism with increased* depth perception to help enhance clinical confidence. HD*live* has brought anatomical realism to the next level with the introduction of two new optional technologies:

  - **HD*live* Silhouette –** variable transparency reveals internal structures, helping you make a confident volume assessment of 1st trimester anatomy

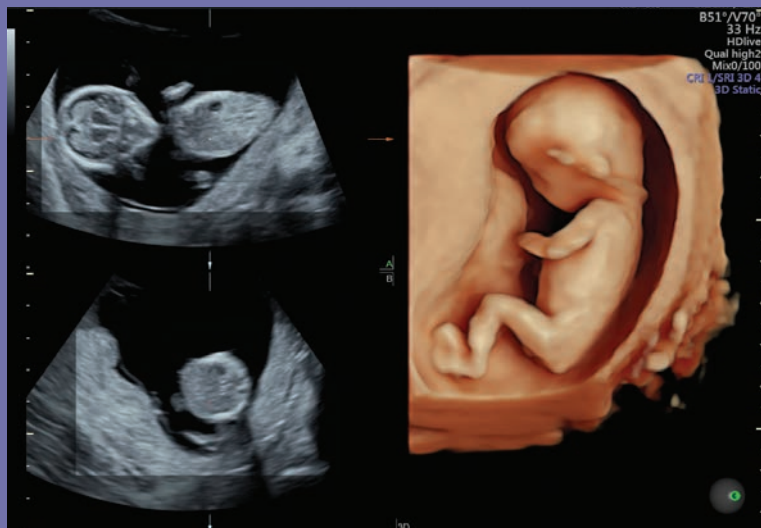 - **HD*live* Flow –** presents vascular structures with greater depth perception and anatomical realism*

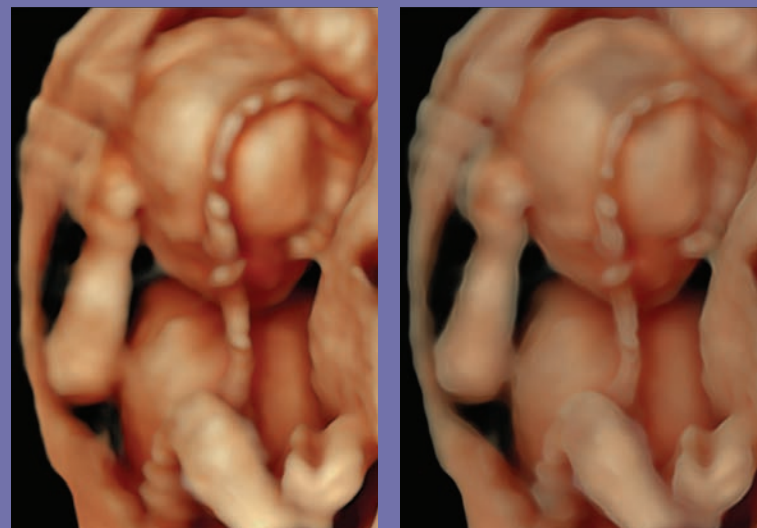## Advanced Volume Contrast Imaging (VCI) with OmniView

- Helps improve contrast resolution and visualization of the rendered anatomy with clarity in any image plane, even when viewing irregularly shaped structures
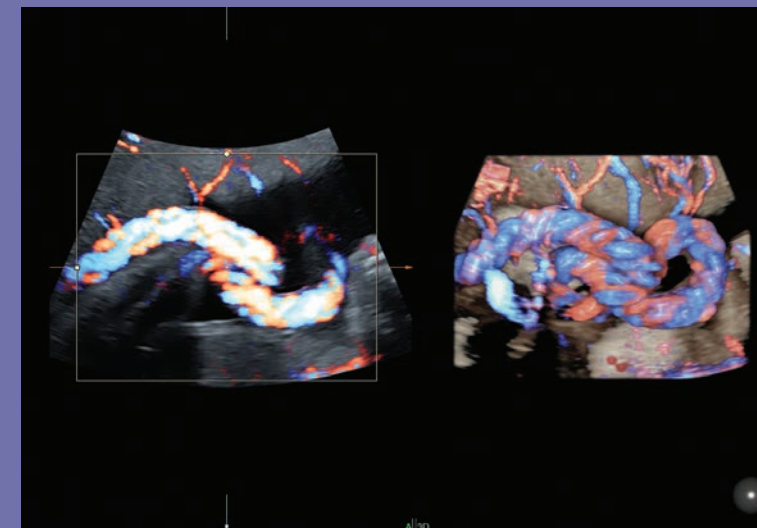
SonoRender*live*

- Helps enhance efficiency in volume rendering with automated placement of the render line for optimized surface rendering. SonoRender*live* continuously updates render line placement with fetal movement during 4D examinations
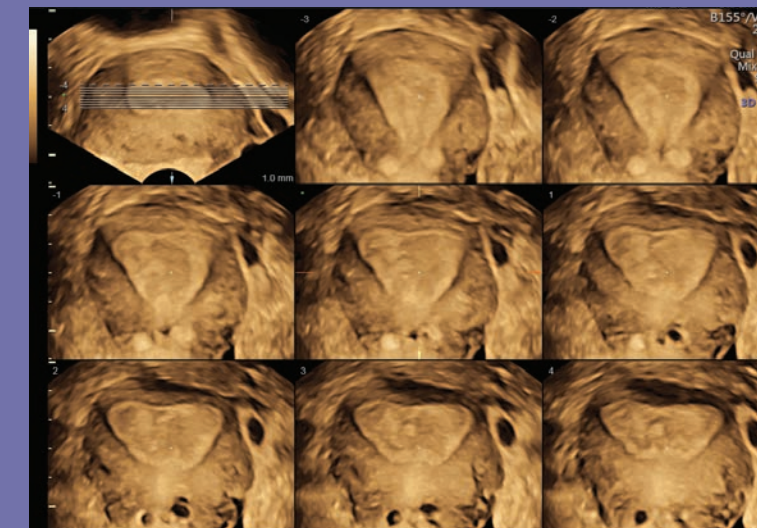
*Compared to conventional Color Doppler or HD-Flow

HD*live* – Second trimester

HD*live* and HD*live* Silhouette – Outline of anterior fontanel seen with HD*live* Silhouette
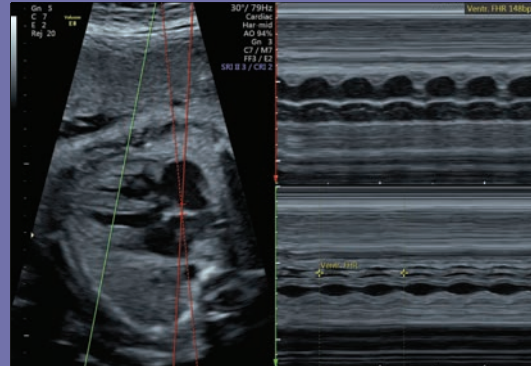

HD*live* Flow umbilical cord and placenta

Coronal plane TUI display of uterus using VCI

DIAGNOSTIC VERSATILITY AND CONFIDENCE

With advanced applications and excellent image quality, the Voluson E8 system supports a woman's health throughout her pregnancy. From the everyday to the complex the system gives you information that can help you detect and diagnose problems early so you can intervene sooner.
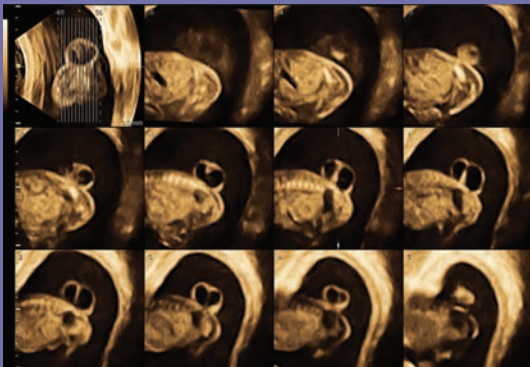

Uterus and endometrium with BetaView

Anatomical M-Mode fetal heart

Pericallosal arteries with HD-Flow

Spinal defect displayed with TUI and VCI

Surface rendering with HD*live*

First trimester twins rendered with HD*live* Silhouette

INTUITIVE, FAST WORKFLOW

The Voluson E8 is your partner in efficiency – containing time-saving features to help you accomplish more each day.

- Easy one-touch button workflow – Commonly-used scanning modes are right at your fingertips on the main screen of the touch panel
- Easy 3D and 4D imaging with automated tools and intuitive workflow
- Now you can adjust brightness with one touch for quick fine-tuning of image

EXTRAORDINARY EASE

Enhance efficiency with 23" widescreen LED monitor.
- Customizable layout to match your workflow needs
- Report preview enabling quick view on diagnostic measurements
- Image presentation in Standard or XL format allows you to see tiny details clearly

One touch responsiveness. Simplified workflow.
- 12.1" touch panel
- Auto TGC for quick fine-tuning of images
- Efficient menu navigation with swipe technology

Quick and easy 1-button control panel up/down function allows for excellent ergonomics.

Probe port illumination.

Fast, secure data management for efficient communication.
- Integrated Software Digital Video Recorder, including USB recording
- Fast USB 3.0 connectivity
- Easy DICOM® integration
- Encrypt image and volume data for secure export

*DICOM is the registered trademark of the National Electrical Manufacturers Association for its standards publications relating to digital communications of medical information
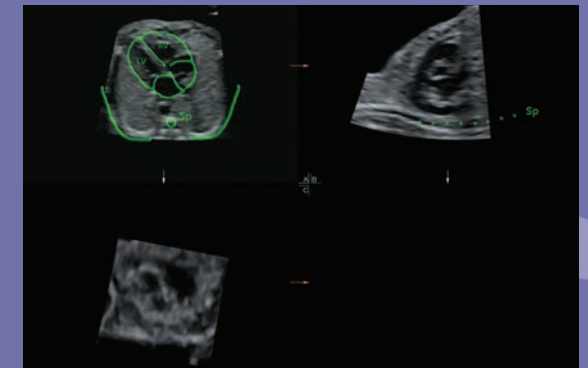
GAIN EFFICIENCY WITH AUTOMATION

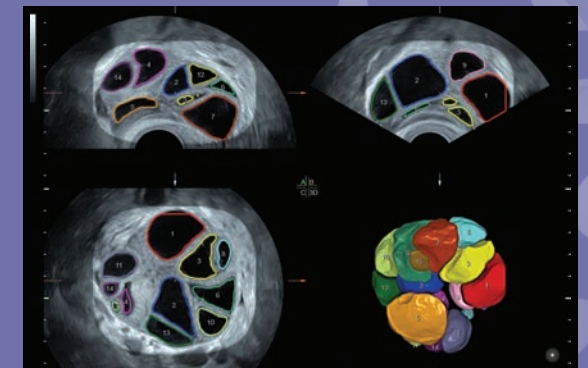Every minute counts so we continue to develop **easy-to-use automation tools** that help streamline workflow.

- **SonoBiometry** – Performs semi-automated biometry measurements (BPD, HC, AC, FL and HL) to help reduce keystrokes.
- **SonoNT** (Sonography-based Nuchal Translucency) and **SonoIT** (Sonography-based Intracranial Translucency) – Voluson technologies that help provide semi-automatic, standardized measurements of the nuchal and intracranial translucencies in the 1st trimester. Both tools can integrate easily into your workflow. SonoNT helps avoid the inter- and intra-observer variability that comes with manual measurements, and helps provide you with the reproducibility you demand.
- **SonoVCAD™*heart*** (Sonography-based Volume Computer Aided Display heart) – By standardizing image orientation of the fetal heart, SonoVCAD*heart* helps provide recommended views from a single heart volume or STIC acquisition.
- **SonoAVC™** (Sonography-based Automated Volume Count) – Innovative tool helps provide visualization and measurement of hypoechoic structures within anatomy such as ovarian follicles, fetal brain or sonohysterograms.

SonoBiometry measurement of humerus length

SonoVCAD*heart* reference image
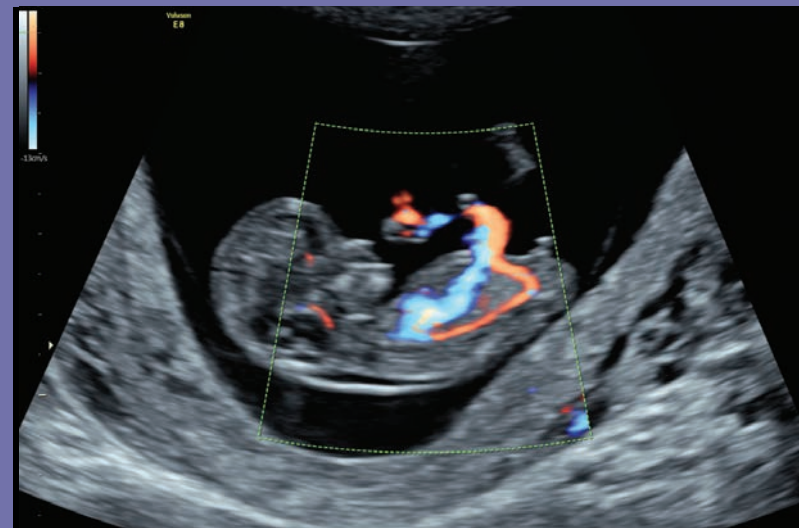

SonoAVC*follicle* of ovary

PLUG INTO HIGH PROBE PERFORMANCE

The Voluson E8 offers a suite of probe technologies – including access to specialized high frequency probes to help bring clarity to even the most complex cases. The new Voluson E8 is not only compatible with many existing Voluson probes, thereby extending your investment, but delivers enhanced image quality* and clarity on many probes when used with the advanced system architecture of the Voluson E8.
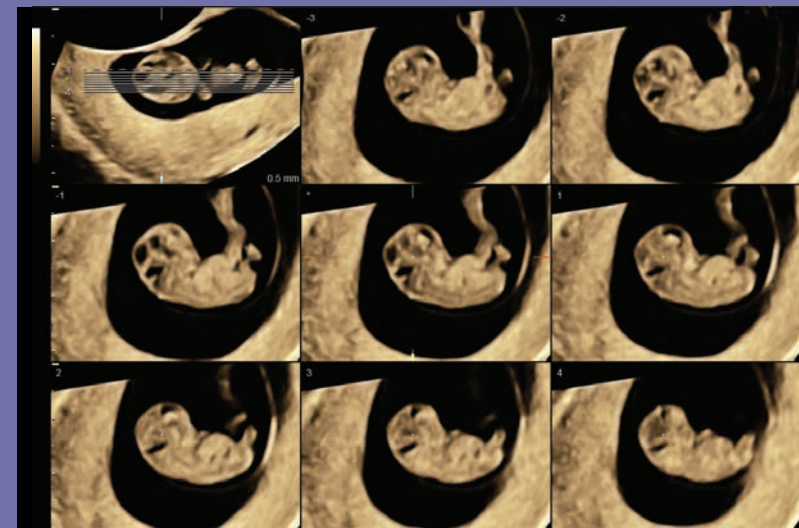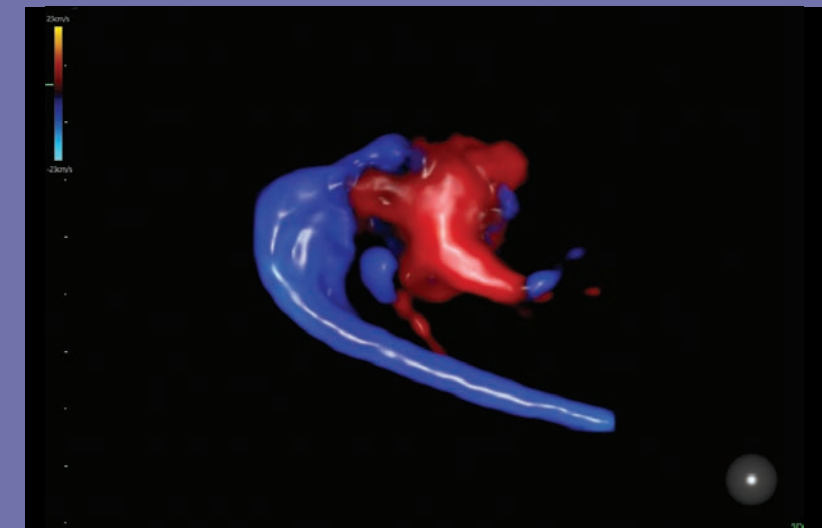
*Compared to Voluson Expert Series BT13

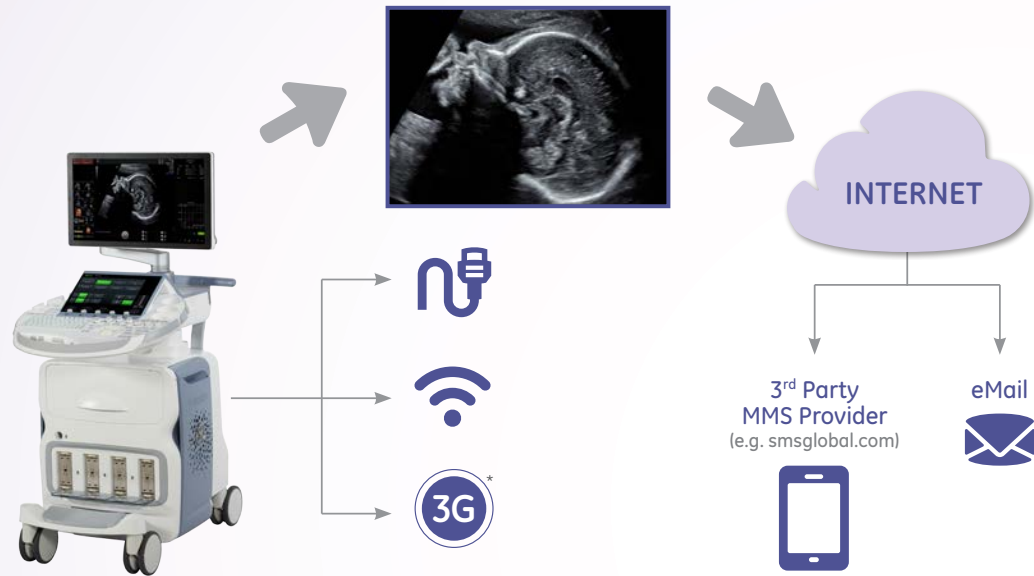9L. 22 week fetal chest and abdomen

C4-8. First trimester with HD-Flow

RIC5-9. TUI display of first trimester fetus using VCI

RAB6. HD*live* Flow – Fetal heart and great vessels

MAXIMIZE EFFICIENCY AND COMMUNICATION

Voluson E8 provides **efficiency and security** with email export directly from the system. This easy-to-use feature can help save precious time communicating with referring physicians, colleagues or patients – to help you focus on what is important – your patients.

*Not available in all countries

Direct email export of reports and images for referring physicians or patients

ViewPoint

With our powerful ultrasound data management solution, **ViewPoint,**™ you can help streamline your workflow. Efficient digital connectivity gives you freedom and flexibility, and helps improve the archiving of images, volumes and structured reports.

- Help improve accuracy and save time 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

JOIN THE CLUB. **VolusonClub.**

Among the benefits of membership are:

- Product educational videos on basic and advanced topics
- Product tips and tricks
- White papers about clinical benefits of Voluson technology
- Listings of tradeshows and educational courses where Voluson will be available
- Information on Voluson products and upgrades
- And much more!

Learn, Network, Share at www.volusonclub.net.

At your service – throughout the relationship

With the Voluson E8, you can count on **responsive service and support** from GE Healthcare. We know that a long-term relationship depends on providing you with technologies and programs that truly meet your needs for equipment maintenance and service, transducer protection and financing.

Imagination at work