GE Healthcare

Accomplish more.

Voluson 730

Demand

In the fast-paced environment of today's clinical practice, you require the right tools to help you see more and do more every day. From routine 2D imaging to powerful 3D/4D capabilities for advanced studies to on-demand access for patient data management, you demand more from your ultrasound technology than ever before. And, as the world's premier ultrasound partner, GE delivers.

GE Healthcare is defining a new age of ultrasound. We call it Volume Ultrasound. GE's Voluson® 730 is the world's first ultrasound system capable of true Volume Ultrasound. It's a powerful system that enables real-time techniques for acquiring, navigating and analyzing volumetric images so that you can make clinical decisions with unprecedented confidence.

more.

With Voluson 730, you can now acquire and construct volumetric images in real time – up to 40 volumes per second. The system allows you to explore images in any plane to reveal the smallest details with stunning clarity and apply sophisticated analytical tools to answer virtually any of your clinical questions. Volume Ultrasound not only improves your 3D/4D capabilities, it enhances your 2D imaging as well, for even greater diagnostic confidence in your obstetrical, gynecologic, breast and general imaging studies.

Through the combination of Voluson and ViewPoint with 4D View, you can extend and expand your diagnostic capabilities while streamlining your practice workflow and increasing diagnostic confidence.

Get more.

GE's Voluson 730 is among the most trusted women's healthcare systems in the world. Today more than 7,000 systems are in use, imaging more than 15 million women each year. Thousands of articles and studies attest to the clinical efficacy of Voluson's industry-leading volume imaging technologies.

What is truly amazing is the innovation that you will find under the covers of your new Voluson 730. We have packed more advanced technology into our systems to give you better image quality, improved resolution and advanced diagnostic capabilities online and offline.

Here are just a few examples of how GE is bringing you more:

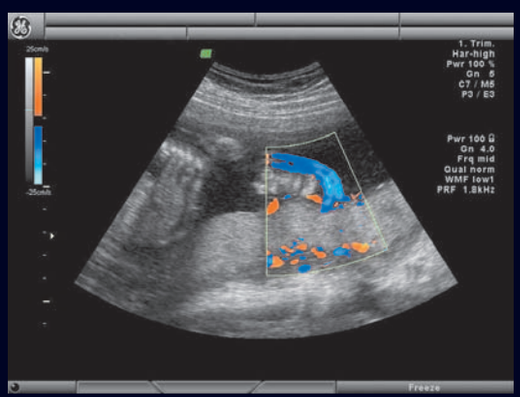
- **Speckle Reduction Imaging (SRI)** heightens the visibility of organs and lesions through improved contrast resolution and border detection while reducing artifact characteristics of ultrasound.
- **CrossXBeam**[CRI™] **(CRI)** enhances tissue and border differentiation with an exclusive spatial compounding acquisition and processing technique.
- **HD-Flow™** is a bi-directional power Doppler feature that enables a more sensitive vascular study and reduces the overwriting associated with standard color Doppler.
- **Volume Contrast Imaging (VCI)** allows for better assessment of size, margins and internal structures of lesions through maximized image quality in all three planes.
- **Tomographic Ultrasound Imaging (TUI)** makes analysis and documentation of dynamic studies easier by providing a simultaneous view of multiple slices of a volume data set.
- **Spatio-Temporal Image Correlation (STIC)** is an innovative technique that allows clinicians to quickly capture a full fetal heart cycle beating in real-time and save the volume for later analysis.

See more.

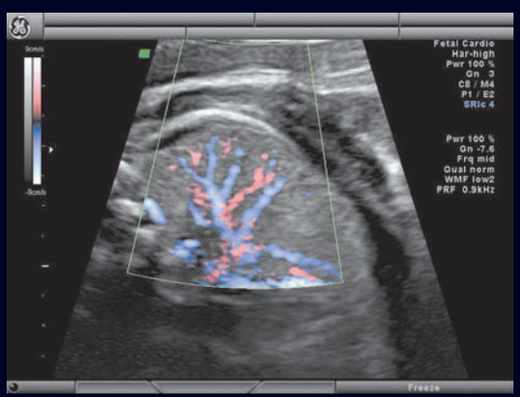
GE Healthcare is pioneering new technologies that optimize every step of the diagnostic process – from image acquisition and navigation to analytics. By integrating our Volume Ultrasound advancements with 2D optimization technologies such as HD-Flow, CRI and SRI clinicians can experience an exponential improvement in clinical confidence and performance.

HD-Flow in fetal arm with HD-Zoom

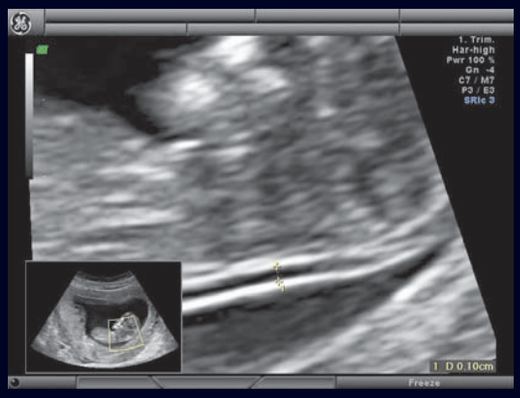
Fetal lung, liver and bowel with SRI



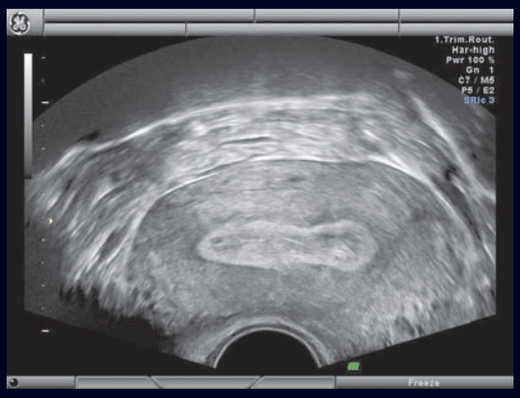
Color Doppler in umbilical arteries



HD-Flow in fetal kidney

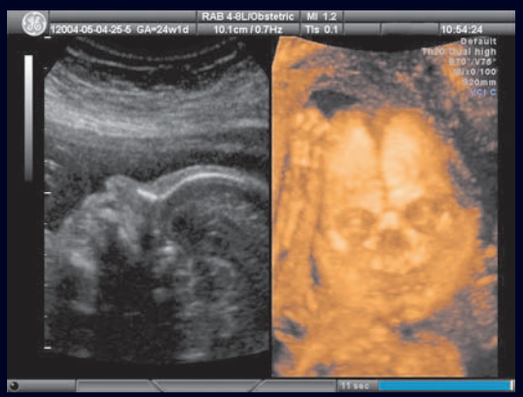


Nuchal translucency with HD-Zoom and SRI

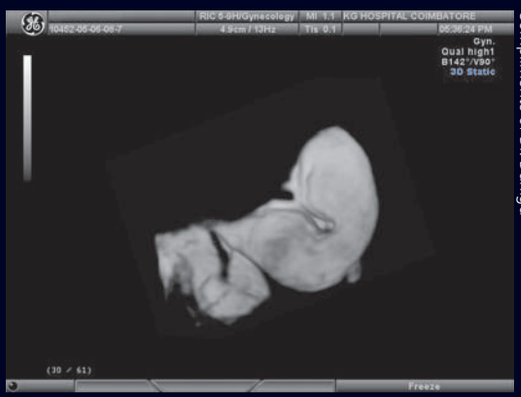


Uterus with harmonics

GE Healthcare delivers leading edge 3D and 4D technology, providing you with advanced diagnostic capabilities across applications. Game changing technologies such as VCI, STIC and TUI allow for advanced capabilities and advanced performance.

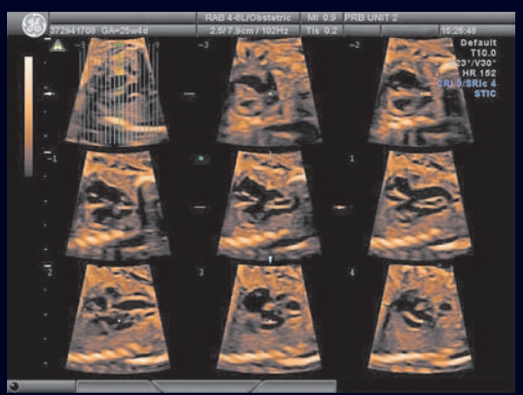


VCI-C and maximum mode of nasal and frontal bones

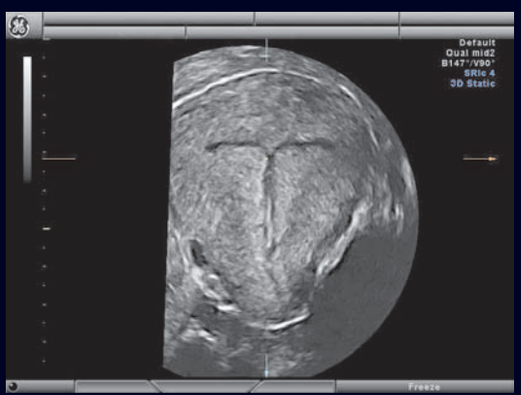


Inversion Mode of hydrosalpinx

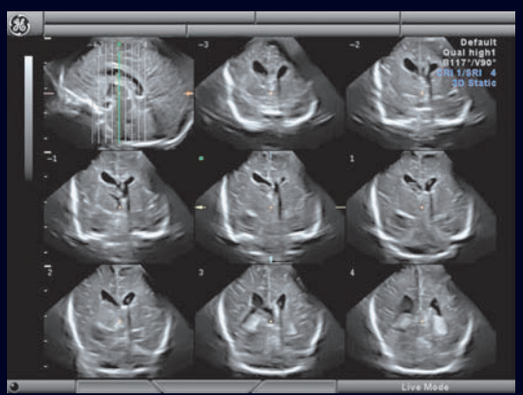
Compliments of Dr. Dahiya



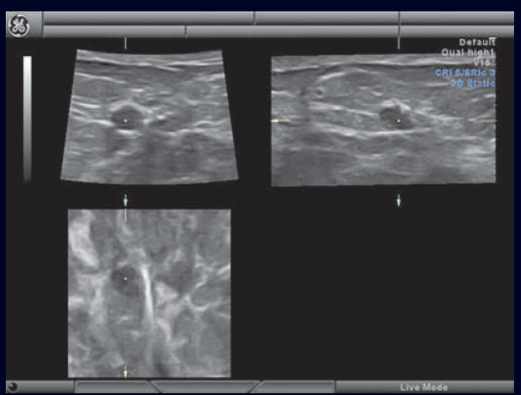
TUI and STIC of fetal heart



Rendered IUD shadow



TUI of pediatric head



Multi-planar breast mass with SRI and CRI

Advancements in Volume Ultrasound allow you to see more and accomplish more – with efficiency – where and when it matters most:

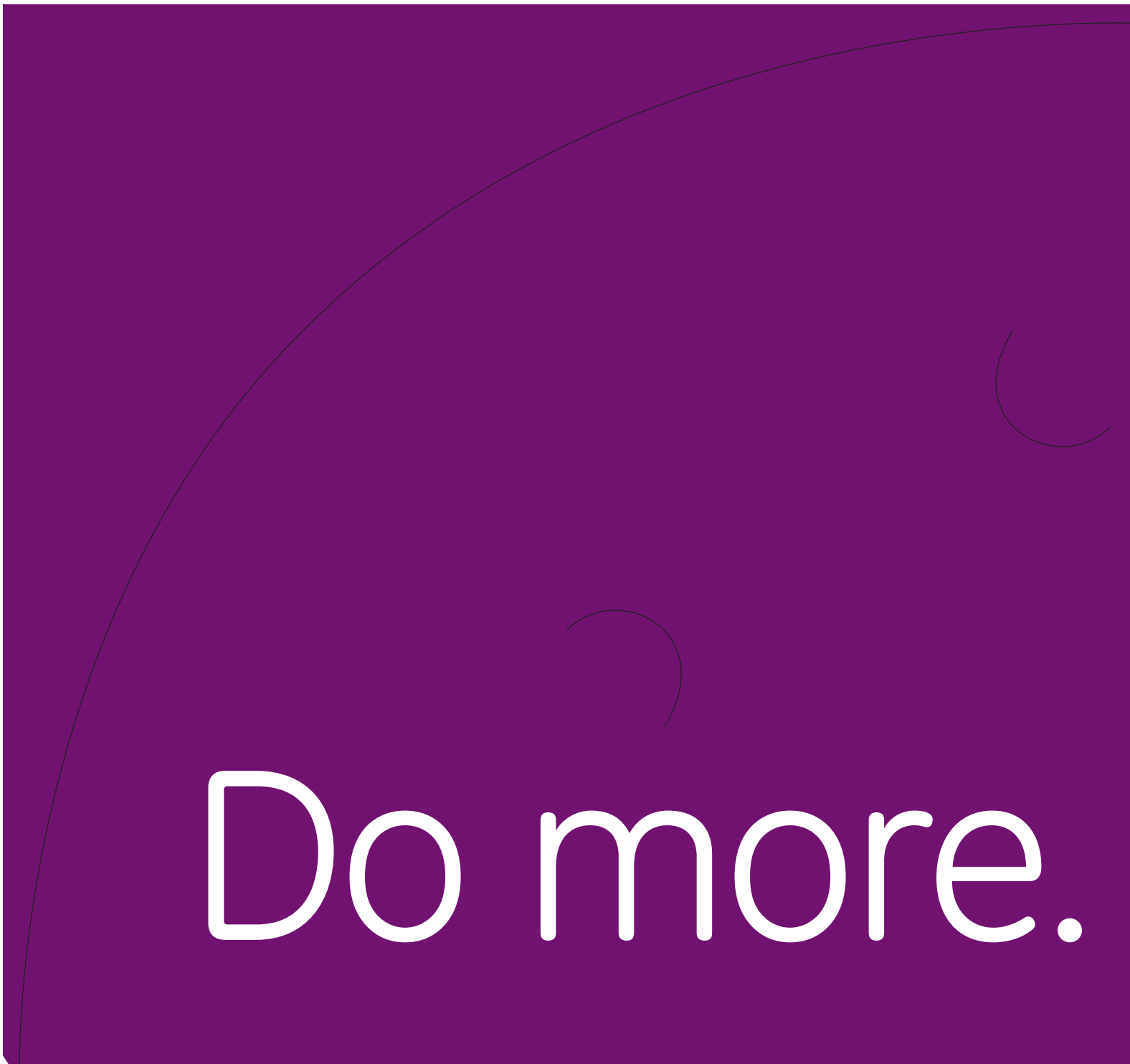
1st trimester Obstetrics – The industry leading 4D endo-vaginal transducer technology allows you to quickly acquire volumes of the first trimester fetus and easily perform the required analysis. For example, to perform a nuchal translucency measurement, simply acquire the volume, set the Region of Interest in the Voluson's "picture-in-picture" window and zoom to a factor of 3.5x. Data transfers automatically for offline advanced level diagnostics on your ViewPoint workstation.

2nd/3rd trimester Obstetrics – Within seconds, using the industry's lightest 4D abdominal transducer and GE's STIC technology, you can perform a comprehensive standard ultrasound exam including fetal heart outflow tracts and save the volume for further analysis either on the Voluson, or offline with 4D View PC software and ViewPoint.

Gynecology – From pelvic pain to incontinence and infertility, utilizing the 4D endo-vaginal transducer, you can quickly perform your sonohysterography procedures, obtaining the necessary volumes in seconds and analyzing the data after the acquisition.

Pediatrics – In an environment where stability is critical, GE's exclusive 4D transducer technology allows for quick volume scans on neonates. Whether you are imaging the brain or abdomen, you can dramatically reduce environment distress.

Breast – The Voluson's multi-planar and RealTime 4D biopsy capabilities provide additional confidence in guidance procedures. In addition, with GE's exclusive 4D linear transducer, you can conduct a comprehensive breast ultrasound exam in minutes, yielding high-quality images critical for the dense-breast or high-risk patient.


Do more.

For more than 100 years, healthcare providers worldwide have relied on GE Healthcare for medical technology, services, and productivity solutions. So no matter what challenges your healthcare system faces, you can always count on GE to help you deliver the highest quality healthcare. For details, please contact your GE representative today.

GE Healthcare
Waukesha, WI 53188
U.S.A.

www.gehealthcare.com

imagination at work

ULT-0186-07.05-EN-US 7/05 Printed in U.S.A.