

GE Healthcare

Accomplish more.

Voluson 730 Pro



Voluson 730 Pro.

The Standard in Women's Healthcare.

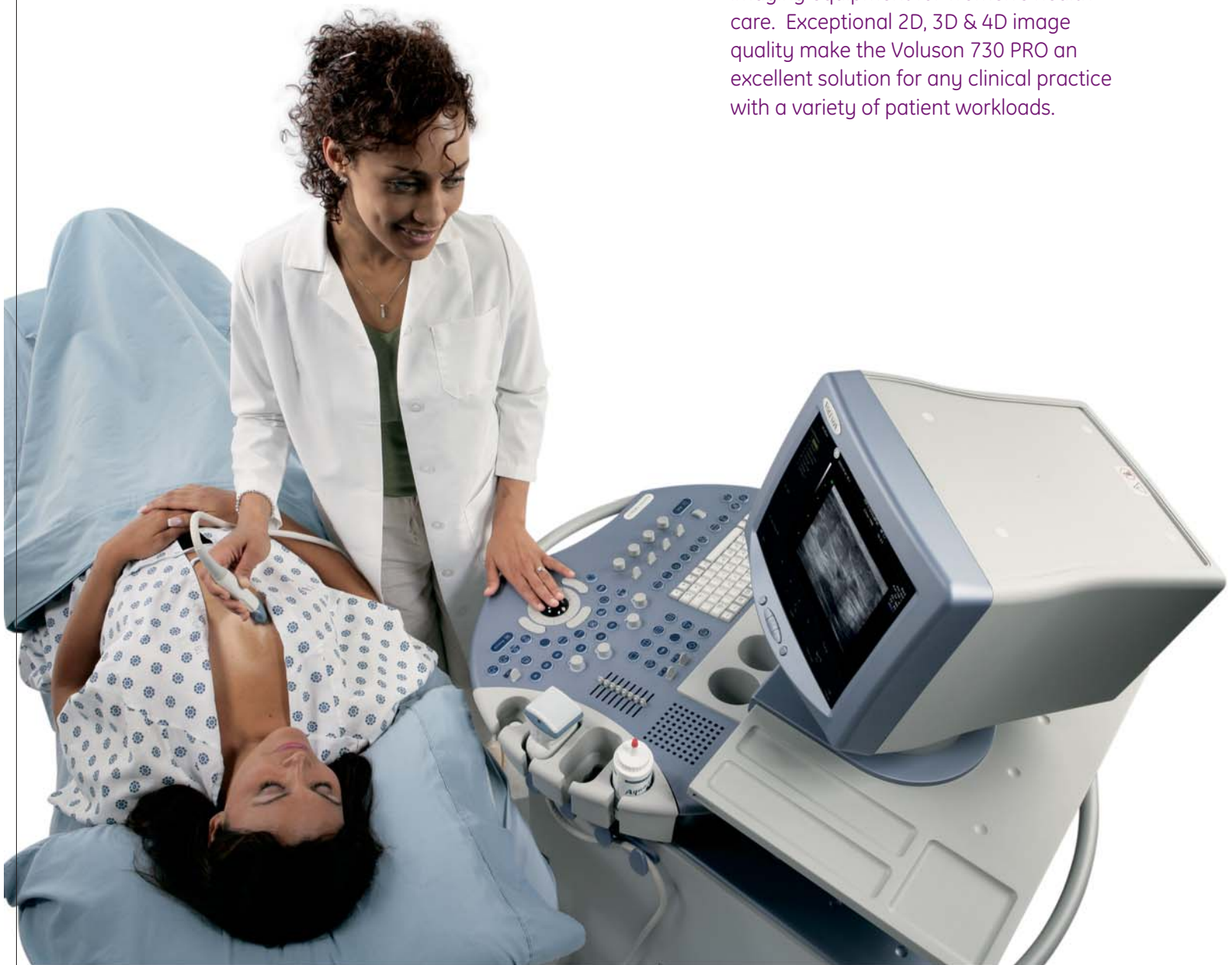
GE Healthcare continues to elevate Women's Imaging with our latest introduction to the world-class Voluson platform, the New Release of the Voluson 730 PRO.

Volume ultrasound has changed the nature of ultrasound and the Voluson 730 PRO demonstrates continued technology leadership with RealTime 4D, up to 25 volumes per second.

The New Release is the next evolution of the Voluson platform, providing clinical solutions through customer-focused and innovative design:

- Dimensional Technology
- Diagnostic Advantages
- Dedication and Support
- Digital Solutions

The New Release of the Voluson 730 PRO represents GE's continued commitment to producing the highest quality diagnostic imaging equipment for women's healthcare. Exceptional 2D, 3D & 4D image quality make the Voluson 730 PRO an excellent solution for any clinical practice with a variety of patient workloads.



See more.

Fetal Development in Volume Ultrasound.

First trimester – Up to 13 weeks gestational age, the fetus grows up to 3 inches in length. The development of eyes, toes, joints, nerves, circulatory and digestive system are clearly visible using the RealTime 4D endovaginal transducer. Nuchal Translucency measurements and CVS procedures are enhanced with multiplanar imaging and 3D rendering.



Second trimester – Weeks 14 through 26, show rapid development of the skeletal, digestive, circulatory and nervous systems. The fetus grows up to 13 inches in length and weighs about 2 pounds. In the second trimester, Volume ultrasound is beneficial in the anatomical survey and detection of fetal anomalies.



Third trimester – Weeks 27 and beyond, the fetus begins to fully develop organs and nerves. A rapid weight gain begins and most move into "head down" position for birth. 4D ultrasound provides clinical utility in the third trimester through analysis of fetal movement and biophysical profile.



Diagnostic Advantages. Clinical Relevance.

The unique Volume Ultrasound capabilities of the VOLUSON 730 PRO meet the needs of clinicians and patients alike with a range of relevant features across the application spectrum.

Obstetrics –

The Voluson 730 PRO provides a full suite of clinical tools including multiplanar analysis, Volume Calculation (VOCAL), Compound Resolution Imaging (CRI) and image optimization techniques. These tools aid in the analysis of a variety of fetal anomalies such as cleft lip and palate, spina bifida, club foot and trisomy 21.

Gynecology –

Automatic volume acquisition and multiplanar analysis facilitate saline-infused sonography while multiplanar & rendering capabilities enable evaluation of the shape of the uterine cavity.

Breast –

Multiplanar views and RealTime 4D biopsy increase confidence of breast biopsy through visualization of needle placement.

Speckle Reduction Imaging (SRI) –

SRI is an adaptive, real-time software algorithm that reduces the speckle artifacts inherent in ultrasound imaging. As a result, you obtain images with suppressed speckle artifacts where echogenicity differences occur. Get enhanced visibility of existing features without reduction or elimination of any relevant information.

CrossXBeam (CRI) –

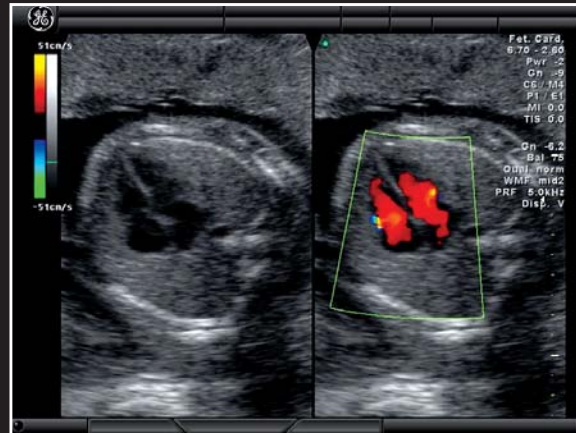
CRI is a real-time spatial compounding technique that results in enhanced border definition and layers, reduced acoustic artifacts and improved contrast resolution in a variety of imaging conditions. GE's Voluson 730 acquires images in up to eleven different beam steering directions and combines them to enhance physiological features.

Tomographic Ultrasound Imaging (TUI) –

TUI makes analysis and documentation of dynamic studies easier by providing a simultaneous view of multiple slices of a volume data set. Select your slice thickness and combine it with a variety of 2D optimization and 3D rendering features to quickly assess your entire volume.

OB

Fetal Heart



Dual Screen Color Flow

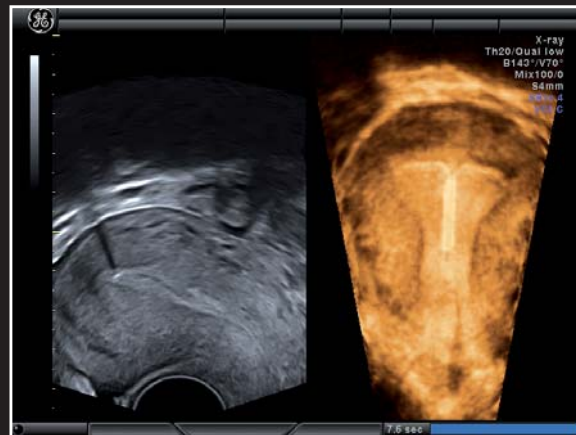
Nuchal Fold



HD-Zoom

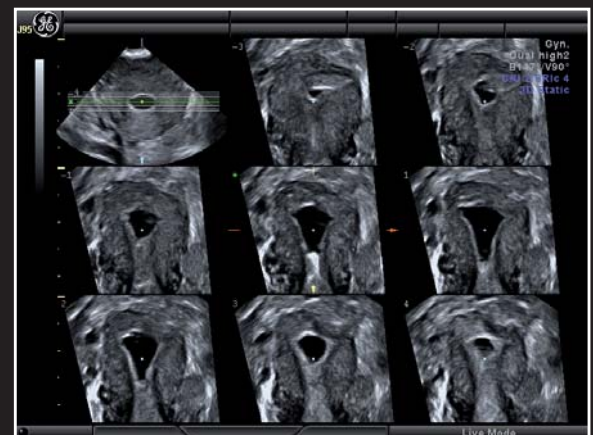
GYN

Intrauterine Device



VCI - Volume Contrast Imaging

Uterine Cavity



TUI - Tomographic Ultrasound Imaging

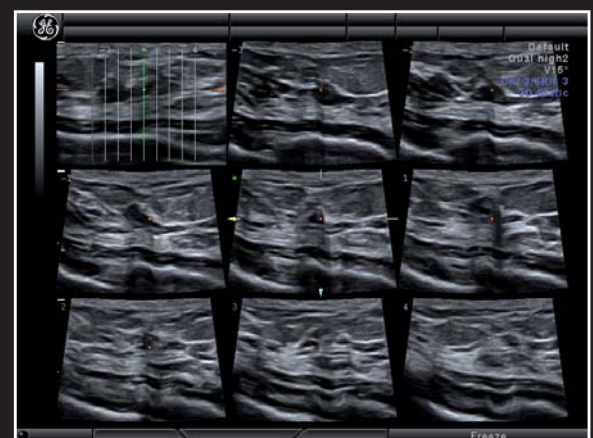
Breast

Breast Lesion



CRI - CrossXBeam CRI

Breast Lesion



TUI - Tomographic Ultrasound Imaging



Dedication and Support. Commitment to the Customer.

The Voluson 730 Pro demonstrates GE Healthcare's commitment to expanding the clinical impact of Volume Ultrasound through education and ergonomics.

The Voluson 730 Pro assures operator comfort and safety through a variety of ergonomic solutions, including an easily adjustable console and monitor.

Micro 4D transducer technology –

The outstanding performance of the Voluson 730 Pro is enhanced through the next-generation technology found in GE's new micro 4D transducer. These broadband transducers with ultrafine pitch are one-third lighter and smaller, yet deliver outstanding image quality up to 25 volumes per second.

Making Volume Ultrasound easier to use –

Productivity is enhanced through online help at the touch of a button. Context sensitive, the integrated help module acts as a virtual tutor. In addition to on-site application training and product training at world class facilities, GE also sponsors a 3D users forum, www.volusonclub.net, linking clinicians from all over the world.



Digital Solutions. Connectivity and Data Management.

The Voluson 730 Pro offers the flexibility to create an ultrasound imaging and analysis system that meets your clinical and productivity needs.

The Voluson 730 Pro system facilitates off-line/remote diagnoses to help better balance workload in an imaging facility:

- Full DICOM functionality
- Volume Ultrasound functionality in a PACS environment
- 80GB hard drive with DVD/CD archiving capabilities

ViewPoint - OB reporting/imaging archiving

Complete office solutions for women's healthcare professionals

ViewReport - Comprehensive OB Reporting Solution

- Standardized OB/GYN reporting, patient scheduling and statistical analysis
- Direct transfer of data

ViewPACS - View Report PLUS Image Archiving

- Capture and archive images via DICOM, RGB or S-video
- Enabling the digital office

4D View

PC-based software that allows clinicians to manipulate and analyze Voluson 730 Pro data without disrupting patient flow. 4D View includes:

- Interactive volume rendering
- Multiplanar image display
- SonoView archiving and data management

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GE Medical Systems, a General Electric company, going to market as GE Healthcare.

GE Healthcare
4855 W. Electric Ave
Milwaukee, WI 53219
USA
Phone: 1 888 871 8266
Fax: 414 647 4125

GE Ultraschall Deutschland
GmbH & Co. KG
Beethovenstr. 239
D-42655 Solingen
GERMANY
Phone: (+49) 212 2802 0
Fax: (+49) 212 2802 28

GE Healthcare Ultrasound
Asia
1105-1108, 11th Floor,
Shanghai Maxdo Centre
No. 8 Xin Yi Road
Shanghai 200336
CHINA
Phone: (+86) 21 5257 4640
Fax: (+86) 21 5208 0582

GE Medical Systems Ultrasound
2, Napier Road
Bedford MK 41 OJW
UNITED KINGDOM
Phone: (+44) 1234 340881
Fax: (+44) 1234 266261

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GE imagination at work