New Perspective for Assisted Reproductive Medicine
A new perspective on fertility issues

Managing patients with fertility problems is a complex challenge. More information can support you to make confident decisions around diagnosis, treatment, and monitoring.

The Voluson™ family of products from GE Healthcare supports your practice with a comprehensive suite of innovative ultrasound imaging tools for fertility care.

Designed in collaboration with leading Reproductive Medicine specialists, Voluson’s suite of Assisted Reproductive tools help enhance the potential for treatment success by providing:

- Clear, crisp 2D images and 3D/4D volumes of the uterus, tubes, and ovaries
- Consistent reproducibility to help clinicians identify and evaluate changes over time
- Automated assessment tools to help enhance accuracy and shorten exam times
- Ease of use to enable you to be more productive
Voluson tools for the uterus

Pelvic examinations of uterus and adnexa

- Wide sector 179° imaging to visualize the entire uterus
- XTD-View enables a panoramic, large field of view over the entire uterus and adnexae (plural)
- Advanced Volume Contrast Imaging (VCI) to enhance contrast for tissue analysis and lesion definition
- Multiplanar imaging to evaluate the entire uterus from a single volume sweep
- SingleView and OmniView 3D tools to help improve contrast resolution and visualization of rendered anatomy in any imaging plane, even irregularly-shaped structures
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Endometrium with VCI
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Uterine polyp with TUI
Voluson tools for the uterus

**Endometrium evaluation**
- VCI-A to enhance contrast resolution for measuring thickness of endometrium and differentiating tissue
- HD-Flow™ exceeds the vascular sensitivity of standard color Doppler to support lesion analysis in uterine tissue
- 3D Sonohysterography enables 3D virtual reconstruction of the uterine cavity and multiplanar investigation of tubal patency
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Voluson tools for the tubes

Evaluating tubal patency
- 3D Sonohysterography enables 3D virtual reconstruction of the tubes
- B-Flow™ and 3D Sonohysterography provides 3D rendering with B-Flow to help visualize tubal patency
- B-Flow enables tube visualization in 2D when using contrast agent

HyCoSy uterus

HyCoSy1 of uterus and left fallopian tube

1 Not available in all countries. Not a cleared indication by the US FDA. Not for sale in the USA.
Voluson tools for the ovaries

Evaluating ovaries

- SonoAVC™ follicle help standardize follicular measurements by semi-automatically calculating the number and volume of hypoechoic structures from a 3D ovarian volume
- HD-Flow provides exceptionally sensitive vascular studies of the ovary

3D multiplanar and render of stimulated follicles
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Voluson tools for ARM

Supporting reproductive medicine procedures
- High resolution enables well-seen needle placement for egg retrieval
- 3D Sweep/Rendering helps the clinician determine the optimal transfer site for embryo implantation in the uterine cavity
- Excellent 2D and 3D/4D for evaluation of embryos
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Supporting reproductive medicine procedures
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Early pregnancy following implantation
Voluson tools for ARM

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Enhancing follicular measurement workflow

SonoAVC™follicle offers clinicians the best of both worlds — the speed and data-richness of 3D imaging combined with the ease of working with 2D images.

It’s remarkably simple to use. Simply sweep the ovaries with the 3D probe. Then, click a button and automatically see 2D measurements and volume measurement of follicles.

This innovative tool helps:

- Standardize measurements and decrease user-to-user variability
- Reduce follicular measurement time by more than 60% compared with manual methods¹
- Improve workflow – rather than needing multiple 2D acquisitions, a single 3D sweep produces a volume of the entire ovarian complex and presents the data in a recognizable 2D format
- Enable thorough assessments – clinicians can scroll through the captured volume to re-evaluate follicles visually and consult multi-parameter measurement reports. Data also can be sent offline to the ViewPoint system for analysis, archiving, and reporting

¹ Scientific Presentation: Imaging in Reproductive Medicine Special Interest Group Abstracts, American Society of Reproductive Medicine Annual Conference, 2007: Automated calculation of follicular volumes using 3D sonography in women undergoing assisted reproduction; a prospective evaluation of a novel software T. Deutch; A. Abuhamad; D. Matson; L. Stadmauer; S. Bocca; S. Oehminger The Jones Institute for Reproductive Medicine Eastern Virginia Medical School.
About GE Healthcare

GE Healthcare provides transformational medical technologies and services to meet the demand for increased access, enhanced quality and more affordable healthcare around the world. GE (NYSE: GE) works on things that matter – great people and technologies taking on tough challenges. From medical imaging, software and IT, patient monitoring and diagnostics to drug discovery, biopharmaceutical manufacturing technologies and performance improvement solutions, GE Healthcare helps medical professionals deliver great healthcare to their patients.