



GE Healthcare unveils latest ultra-premium ultrasound in Women's Health portfolio

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- *Voluson Expert 22 represents a major step forward in ultrasound innovation from a market leader in Women's Health Ultrasound*
- *Next-generation architecture behind Voluson Expert 22 includes Voluson graphic-based beam former technology; AI powered tools; and customizable touch panel, color and lighting options.*

Chicago (July 21, 2022) – GE Healthcare today unveiled its most advanced ultrasound yet, the next-generation **Voluson™ Expert 22**. This latest addition to GE Healthcare's award-winning Women's Health portfolio utilizes graphic-based beam former technology, which produces higher quality images and offers greater flexibility in imaging functions. Cutting-edge tools powered by Artificial Intelligence (AI) ensure greater consistency in exams and decreased number of tasks. Customizable touch panels, color and lighting options provide for a revolutionary user experience.

As pregnancies grow increasingly complex, clinicians are demanding improvements in technology that allow for greater confidence at the point of care. Shrinking workforces are straining healthcare systems around the world, and without intensive training to operate complex medical imaging technology, clinicians are therefore demanding smart, intuitive systems that reduce the burden on individual users.

The Voluson Expert 22's **Lytic Architecture** unlocks new imaging and processing power to achieve higher resolution, detailed images—and increased independence from body habitus and other difficult scanning conditions. The Lyric Architecture generates new levels of penetration, resolution, and frame rates to reveal fine anatomy in 2D/3D/4D with ease, and delivers uniformity throughout the image with increased spatial and contrast resolution.

According to **Prof. Dr. Rabih Chaoui, Managing Director at the Center for Prenatal Diagnosis and Human Genetics in Berlin, Germany**, said: "The Voluson Expert 22 is a masterpiece of engineering with exceptional 2D images from thin to difficult scanning patients. This machine also has the outstanding ergonomics and is the most customizable system ever produced. It is one of the best ultrasound machines I have ever used."¹

Voluson's modern user interface is simple and seamless, and the 23.8 inch high-definition ultrasound (HDU) display offers 3 image sizes including unique full screen images that allows clinicians to work comfortably and see finer details with ease. Clinicians can personalize the user interface according to their unique preferences and **Respond probe activation** automatically initializes the probes and presets when removed from the probe holder.

Dr. Lawrence Platt, MD, an Obstetrician-gynecologist at the Center for Fetal Medicine in Los Angeles, USA, commented: "By using AI, we are pushing limits and enhancing diagnostic capabilities. At the same time, the functionality makes exams easier. The AI built into this machine is so far advanced compared to what we've seen before, and it's only a hint. It's our responsibility to push it even further by using it, by challenging it, and showing it, makes a difference."¹

AI-powered tools include **SonoLyst**, which helps identify fetal anatomy seen on standard views while enhancing efficiency by up to 65%* by adding annotations and measurements; **SonoPelvicFloor**, which simplifies the exam process by 80%* automating plane alignment and measurements while offering workflow guidance to improve efficiency while eliminating uncertainty; **SonoCNS** which supports consistent measurements and help drive workflow efficiency and reduce exam time by 81%* by helping align and display recommended views and measurements of the fetal brain from a 3D Volume.

"Technology continues to move obstetrics and gynecology forward, but there is a delicate balance between using technology to enhance medical care and the human role in medicine" said, **Gerald Seifriedsberger, General Manager- Women's Health**. "We are incredibly proud to build on our legacy of innovation in women's health with the introduction of the Voluson Expert 22, and deliver advanced ultrasound imaging at the point of care that allows for more shared decision-making between clinician and patient.

Designed in partnership with leading OBGYN's, the intuitive and customizable ultra-premium Voluson Expert 22 is designed for a world where patients want answers earlier, and clinicians need to answer questions with greater confidence.

With GE Healthcare's Voluson ultrasound systems, clinicians conduct more than 400 million women's health ultrasound exams every year.

For more information on GE Healthcare's Voluson Expert 22 visit <https://www.gehealthcare.com/products/ultrasound/voluson/voluson-Expert22>.

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[1] Statements by GE's customers are based on their own opinions and on results achieved in the customer's unique setting. Since there is no 'typical' clinical setting and many variables exist (e.g. hospital size, case mix), there can be no guarantee that the customers will achieve the same results. GE Healthcare may have unrelated contractual agreement with Dr. Chaoui and/or Dr. Platt

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