



GE Healthcare

PRESS RELEASE

New Version of Vivid E9 Cardiovascular Ultrasound Features XDclear Technology to Enhance Image Quality, Quantification and 4D Workflow

WAUWATOSA, WI and Amsterdam, Netherlands, AUGUST 31, 2103 - GE Healthcare, (NYSE: GE), announced today at the 2013 European Society of Cardiology annual meeting in Amsterdam that it has received CE mark for the latest version of its Vivid* E9 Cardiovascular Ultrasound system now featuring XDclear* technology. Built from the acclaimed Vivid E9 platform, the new Vivid E9 with XDclear is designed to enhance image quality in 2D, 4D, color and Doppler, aims to shorten exam time and enhance diagnostic confidence in the adult and pediatric echo labs, during interventions or in the operating room, as well as for shared services.

“With obesity on the rise worldwide, cardiologists are seeing more and more patients who are difficult to scan using traditional ultrasound transducer technology,” said Al Lojewski, General Manager of Cardiovascular Ultrasound for GE Healthcare. “With the needs of the clinician and patient in mind, we continue to enhance overall image quality by developing new probe technology that allows for enhanced sensitivity and image acquisition with high resolution on even difficult to scan patients with the Vivid E9 with XDclear.”

In a high-stress setting like the echo lab, interventional suite or the OR, conducting an ultrasound examination on a patient who is difficult to scan can result in not only an increased scan time, but additional anxiety for the patient and physician. GE Healthcare’s recent development in acoustic engineering combining Single Crystal, Cool Stack and Acoustic Amplifier technologies make the XDclear transducers GE’s highest performing transducers.

With the new Vivid E9 with XDclear, GE Healthcare offers a comprehensive probe portfolio of adult, pediatric, vascular and abdominal imaging probes which are well suited for many department’s cardiovascular and shared services needs.

Enhancements include:

Echo- Combining the XDclear and Matrix Array technologies, the new M5Sc-D probe offers enhanced sensitivity in Color Flow and Doppler. The Vivid E9 with XDclear also provides quantification enhancements by fully automating regions of interest placement in AFI, and further developing its 4D strain offering to include the export of mesh for researchers and enhanced tracking for clinicians. Our EchoPAC* now also includes support for multilayer 2D Strain as well as segmental wall thickness control.



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Interventional – GE has standardized Depth Illumination on this platform to enhance communication to non-echo experts and is offering the next GE generation of stereo vision called PolarVision. PolarVision can enhance communication in the cath lab and OR by combining polarized stereo with depth rendering on a dedicated 3D monitor.

Pediatrics - Imaging tiny fast moving heart structures and lesions in small babies and fetuses is a challenge, as both high spatial as well as temporal resolution is required simultaneously. Vivid E9 with XDclear delivers advanced technology to image pediatric patients and allows for the acquisition of images on a wide range of pediatric and neonatal patients, quickly and with minimal system adjustments. The XDclear technology enhances low-level signal display in 2D and M-Mode, and combines high color sensitivity with high frame rates, by leveraging parallel beam forming power. For fetal heart imaging in particular the result is deep penetration without sacrificing resolution.

Shared Services – Working closely with the GE General Imaging LOGIQ E9 with XDclear team, the Vivid E9 with XDclear leverages that technology and delivers excellent performance in shared-services operation including, vascular, abdominal, OB/GYN, and small-parts applications. In vascular procedures, the Vivid E9 with XDclear introduces enhancements in both 2D and Color Flow image quality and delivers enhanced signal-to-noise ratio, helping reduce noise in the vessels. In general and abdominal imaging the XDclear technology delivers the high spatial resolution and deep penetration required for uniform presentation of anatomic structures throughout the field of view.

“GE’s Vivid E9 is a high quality system, well-suited for use in infants. The 12S probe provides excellent image quality coupled with a small physical footprint which helps with smaller children,” Dr. John Simpson, Director of Pediatric Echocardiology at Evelina London Children’s Hospital. “The Vivid E9 system is compact and designed for many settings including intensive care unit, neonatal unit and imaging in theatre or cath lab.”

About GE Healthcare

GE Healthcare provides transformational medical technologies and services that are shaping a new age of patient care. Our broad expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, biopharmaceutical manufacturing technologies, performance improvement and performance solutions services help our customers to deliver better care to more people around the world at a lower cost. In addition, we partner with healthcare leaders, striving to leverage the global policy change necessary to implement a successful shift to sustainable healthcare systems.

Our “healthymagination” vision for the future invites the world to join us on our journey as we continuously develop innovations focused on increasing access and improving quality and affordability around the world. Headquartered in the United Kingdom, GE Healthcare is a unit of General Electric Company (NYSE: GE). Worldwide, GE Healthcare employees are committed to serving healthcare professionals and their patients in more than 100 countries. For more information about GE



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