HealthManagement
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MyLab™Eight: New Flagship Product in Esaote MyLab™ Ultrasound Family

As a leading player in the diagnostic ultrasound market, Esaote has more than 30 years of experience in developing and fine-tuning ultrasound systems and probes for a broad range of clinical segments.

MyLab™ ultrasound solutions are designed to meet the most demanding clinical needs in many applications: from abdominal to vascular, including musculoskeletal, internal medicine, cardiology, obstetrics and gynecology, as well as interventional ultrasound guidance and surgery.

Esaote puts a great deal of effort into designing systems that offer top image quality to enable confident diagnoses from difficult-to-scan patients, as well as highly detailed superficial image resolution. This has been achieved over the years through advanced research, with several patents and publications, and effective implementation in both systems and probes. For the latter, Esaote is able to offer a wide selection of proprietary transducers, ranging from traditional phased, linear, convex, and endocavity to dedicated solutions for surgery and intervention. The Esaote probe family has recently been extended with the brand new high-frequency IH 6-18 Hockey Stick probe and the SI2C41 biopsy-dedicated 0-degree insertion convex transducer.

Advanced hemodynamic evaluation tools such as XFlow and HD CFM, quantitative tissue stiffness evaluation with QElaXto, and Virtual Navigator for easy-to-perform real-time fusion imaging are just a few examples of Esaote's advanced technologies that are tailored to meet all requirements, including the most demanding.

Virtual biopsy technology is a valuable tool for facilitating needle insertions for difficult biopsies and for percutaneous treatments.

Other highlights include top-level Contrast Enhanced Ultrasound (CnTI™) and advanced cardiovascular tools, such as the XStrain cardiac deformation analysis tool and the radiofrequency-based Intima Media Thickness (QIMT) and Arterial Stiffness (QAS) measurement, underlining Esaote's trademark "Creativity in Healthcare."

Esaote's commitment to ergonomics and innovative design solutions is embodied in its portfolio of systems and probes. This addresses the issue of ultrasound system ergonomics, as indicated by Industry Standards for the Prevention of Work-Related Musculoskeletal Disorders in Sonography.

Workflow optimization and automation tools have been designed with the help of and in collaboration with important clinical and technical reference centers and universities.

Interviews and extensive scanning sessions with numerous ultrasound users (physicians, sonographers, surgeons) have helped us to have a clear view of the different environments and user needs for which our systems have to be designed.

The user interfaces are readily understandable and intuitive enabling easy operation of the system in any scanning conditions.

EVOlution is Esaote's continuous system updating program, offering the latest technological and clinical updates and anticipating future standards, providing the necessary peace of mind for hospitals, clinics, and private practices with regard to their investment.

Today the Esaote MyLab™ ultrasound product family is being expanded with the flagship MyLab™Eight.

Esaote's MyLab™Eight ultrasound system sets a new standard in Image Quality. MyLab ^{TM}Eight is the culmination of Esaote's dedicated R&D focused on meeting the increasing demands of modern healthcare in terms of outstanding image quality and ease of use.

MyLab™Eight incorporates the new MPowered Engine to optimize high-density and single-crystal transducers to enable images to be captured at greater depth in the body with unprecedented quality for difficult-to-scan patients. With high-frequency imaging, advanced hemodynamic evaluation tools such as XFlow and HD CFM, and a complete portfolio of probes, Esaote offers solutions ranging from abdominal to vascular, including musculoskeletal, rheumatology, cardiology, obstetrics, and gynecology, as well as interventional radiology and surgery.

Esaote's focus on the prevention of work-related musculoskeletal disorders runs through all its designs, from its award-winning appleprobe transducers, to MyLab™Remote, the remote system user interface app that allows MyLab™Eight to be controlled via smartphone or tablet. The touchscreen-based workflow offers intuitive commands so that the system can be easily operated under any scanning conditions.

Outstanding diagnostic value is the result of optimization of all the aspects of the signal chain, from the echo generated by the patient through to the display on the system, together with maximization of ultrasound scanning efficiency.

The new WideView monitor technology offers sharp diagnostic image clarity with enhanced spatial and contrast resolution.

Wireless and wired connectivity options offer numerous data-saving and transmission options.

A full assortment of advanced tools, including QElaXto shear wave elastography, Virtual Navigator Fusion Imaging, RF-based QIMT, QAS arterial stiffness quantification, CnTI contrast enhanced ultrasound, and many more, make MyLab™Eight a unique solution for your everyday clinical needs and your most demanding research activity.

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