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Two ways to be Unique

MyLabTMTwice

esaote



Improved imaging in difficult to scan patients

Major technical improvements provided by CrystaLine include the CPI Technology to increase depth of field, improving the imaging of deep structures in difficult-to scan individuals.

Adjustable imaging by the operator

The new XView+ speckle reduction technology which can be adjusted by the operator is now available with CrystaLine. It produces an optimal personalized image for every single clinician in a wide range of applications.

Increased Diagnostic Confidence

CrystaLine demonstrates extended configuration features, giving the physician the possibility to best perform in advanced procedures. It incorporates innovative solutions that now enable clinicians to confidently use ultrasound in several examinations.

Optimised Workflow

CrystaLine is aiming on reduced examination time and better workflow by means of a wide range of automatic process functions for Imaging, Doppler, Post-Processing, Measurements, Archiving and Connectivity.





eHD is the Esaote technology to innovate ultrasound imaging and improve the systems' use.

It represents our attention to the diagnostic value, optimizing all the aspects of the chain a signal has to travel through, starting from the echo generated by the patient's body up to the arrival on the system's monitor. It maximizes the efficiency of ultrasound scanning, leaving the sonographer free to concentrate on the patient.

The quality that improves your diagnostic confidence.

@HD Technology

@HD

iQ Probes



@HD
Pulser



@HD
Processing



@HD
Doppler



@HD





Advanced technologies

- Latest Innovations
- Diagnostic Confidence
- Optimized workflow

Imaging Processing

Esaote offers many technologies for imaging enhancement. With TEI the harmonic signal is fully preserved without degradation of the acoustic information. MView and XView improve the quality of the ultrasound images by reducing the presence of artifacts, shadowing and speckle.

Raw data post-processing

It allows the post-processing of images and video clips previously acquired and saved into the archive. This feature is very helpful in the clinical workflow and provides the physicians with image optimization and precise measurement even in the off-line stage. As a result, Raw data management brings to users' comfort as well as improved productivity and clinical outcomes.

XFlow Doppler

Extraordinary flow sensitivity and spatial resolution

XFlow provides direct visualization of blood echoes, extending the wideband resolution, high frame rates and wide

dynamic range of blood flow. The result is unbelievable spatial, temporal and contrast resolution in blood-flow display, which improves diagnostic confidence in the evaluation of complex hemodynamics, permits earlier detection of peripheral vascular disease, and providing more clinical information than other imaging modalities.

CnTI™

Contrast Tuned Imaging

Esaote's proprietary CnTI™ (Contrast Tuned Imaging) provides high performance contrast enhanced ultrasound imaging with second-generation contrast media. Intermittent and real-time low-MI modalities give optimal results in left ventricle opacification (LVO) and myocardial perfusion analysis, both in rest and stress examinations.

elaXto

Further step towards tissue characterization

Non-invasive method to support the physician in assessing tissue elasticity. The differences in tissue responses are detected and visualized in real-time by the elaXto processing algorithms through different graphical representations.

for every clinical need

X4D X3D

Esaote's volumetric technology takes full advantage of the touch panel to optimize workflow and ease of use, and represents a breakthrough in technology.



Virtual Biopsy

Advanced Biopsy also in very difficult approaches

The Virtual Biopsy allows to follow percutaneous procedure superimposing the needle tracking information on the real-time ultrasound image. The main advantage is to get evidence of needle path in order to choose the suitable trajectory and assess the needle position once it is in the patient body. Virtual Biopsy makes possible to perform percutaneous procedure also in very difficult-to-approach body districts (e.g. lung biopsies) or cases (e.g. low echogenic or fatty patient).

Fusion Imaging

All the benefits of different modalities in the same exam

Fusion imaging applied to US enhances the information produced by an Ultrasound Scanner thanks to the combination with a second imaging

modality (CT, MR, PET or 3D US) in real-time. Virtual Navigator is Esaote's technology that supports Fusion Imaging in order to increase accuracy, gain confidence, propose a different point of view in evaluating the second modality, support in difficult-to-scan patients and reduce procedure time.

XStrain4D

XStrain™ is a non-invasive tool to better investigate the myocardial function and explore and quantify aspects of the heart's physiology which were not possible to detect and quantify with previous ultrasound technologies.



Innovation and Accuracy in Vascular Imaging

The measurements that are based on beyond state of the art RF-data technology, are real-time, accurate and provide measurement quality indicators overlaid on the B-mode ultrasound image. It makes it possible to measure automatically and accurately the positions of the anterior and posterior blood vessel wall, providing blood vessel wall diameter, change in diameter and blood vessel wall thickness of an artery as a continuous function of time.

iQProbes

The transducer is the first element which connects with the patient's body. It delivers the ultrasound beam and receives the backscattered echo; its technology is extremely important to obtain a high signal to noise ratio, a sharp signal to optimize.




CrystaLine

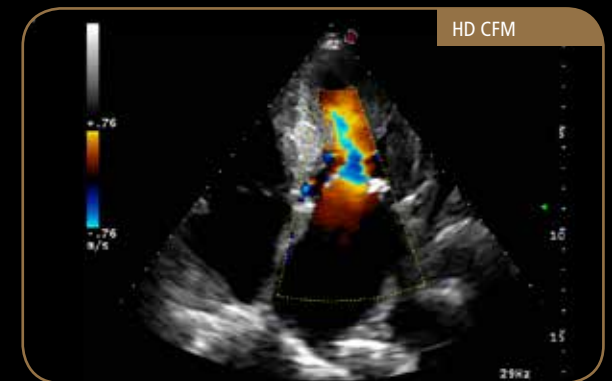
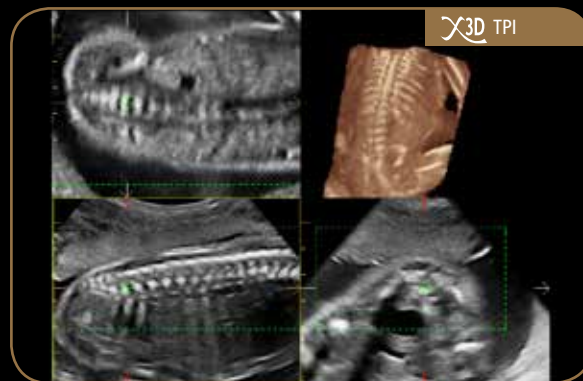
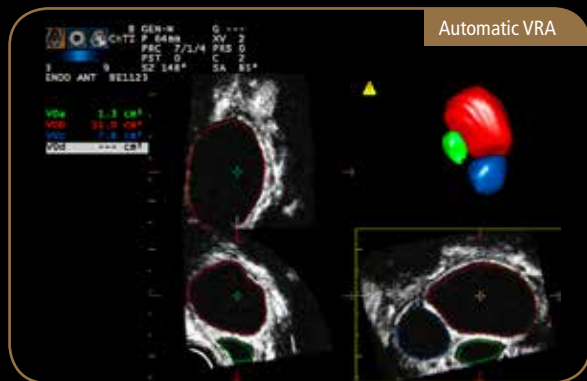
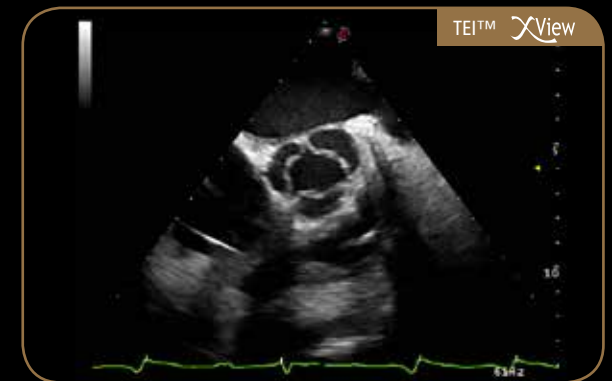
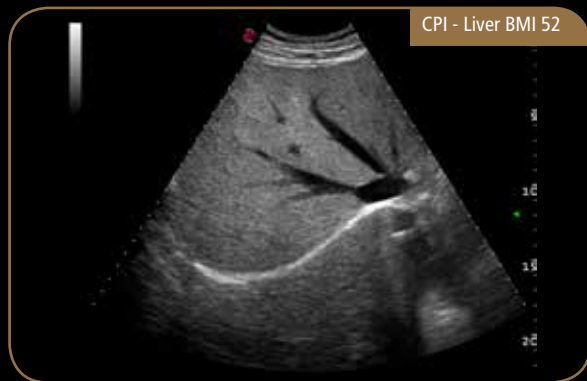
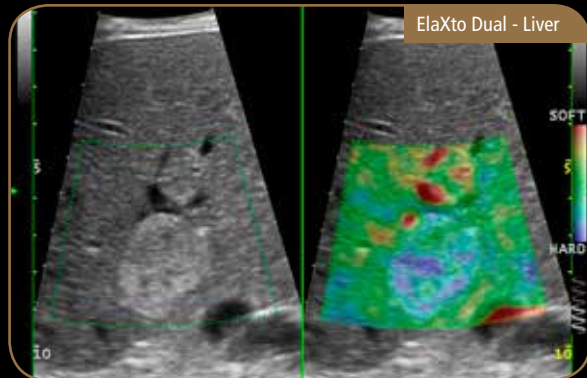

eHD
Technology

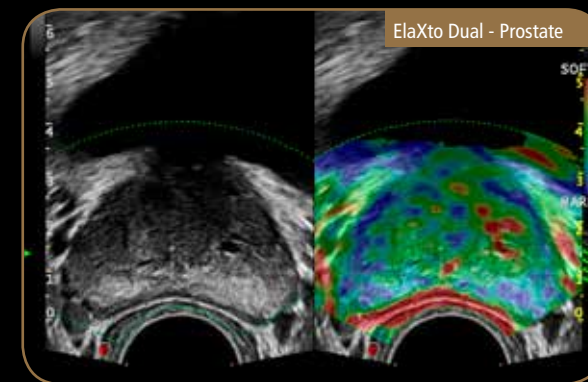
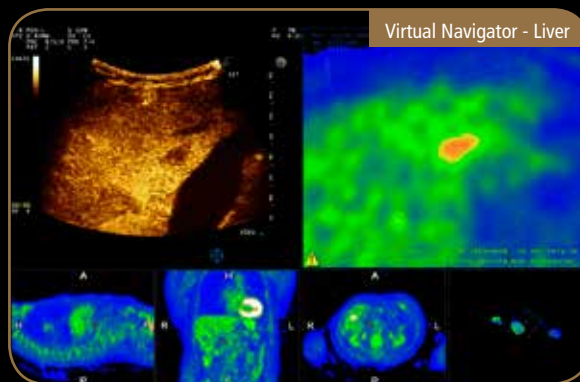
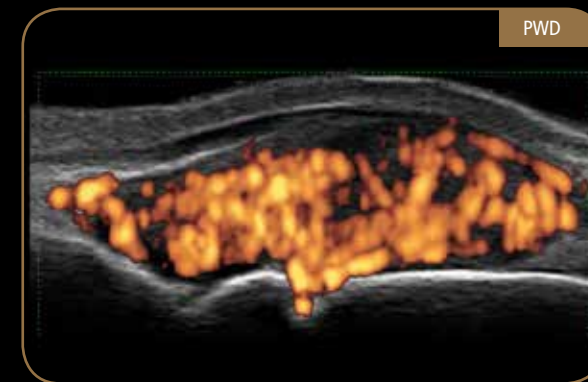
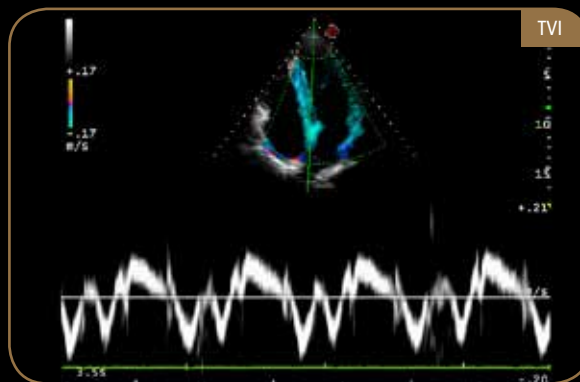
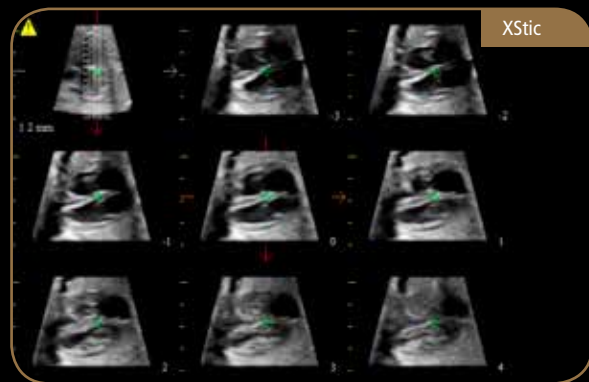
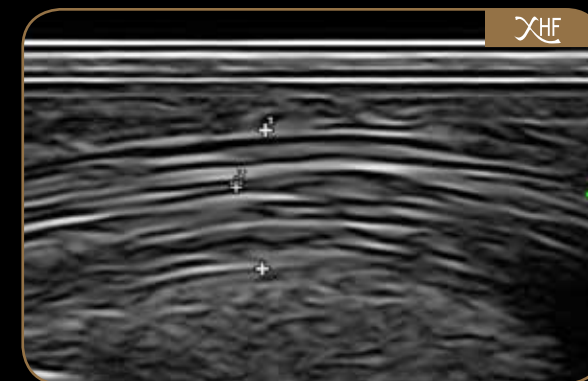
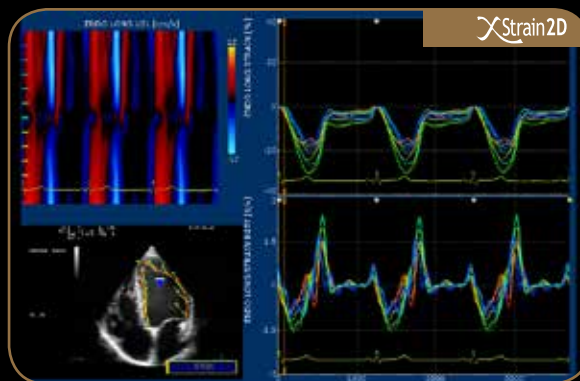
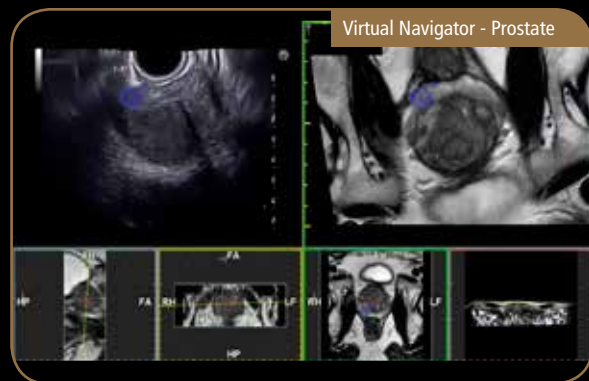



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Exclusive Premium Performance

MyLab™Twice





Premium Performance

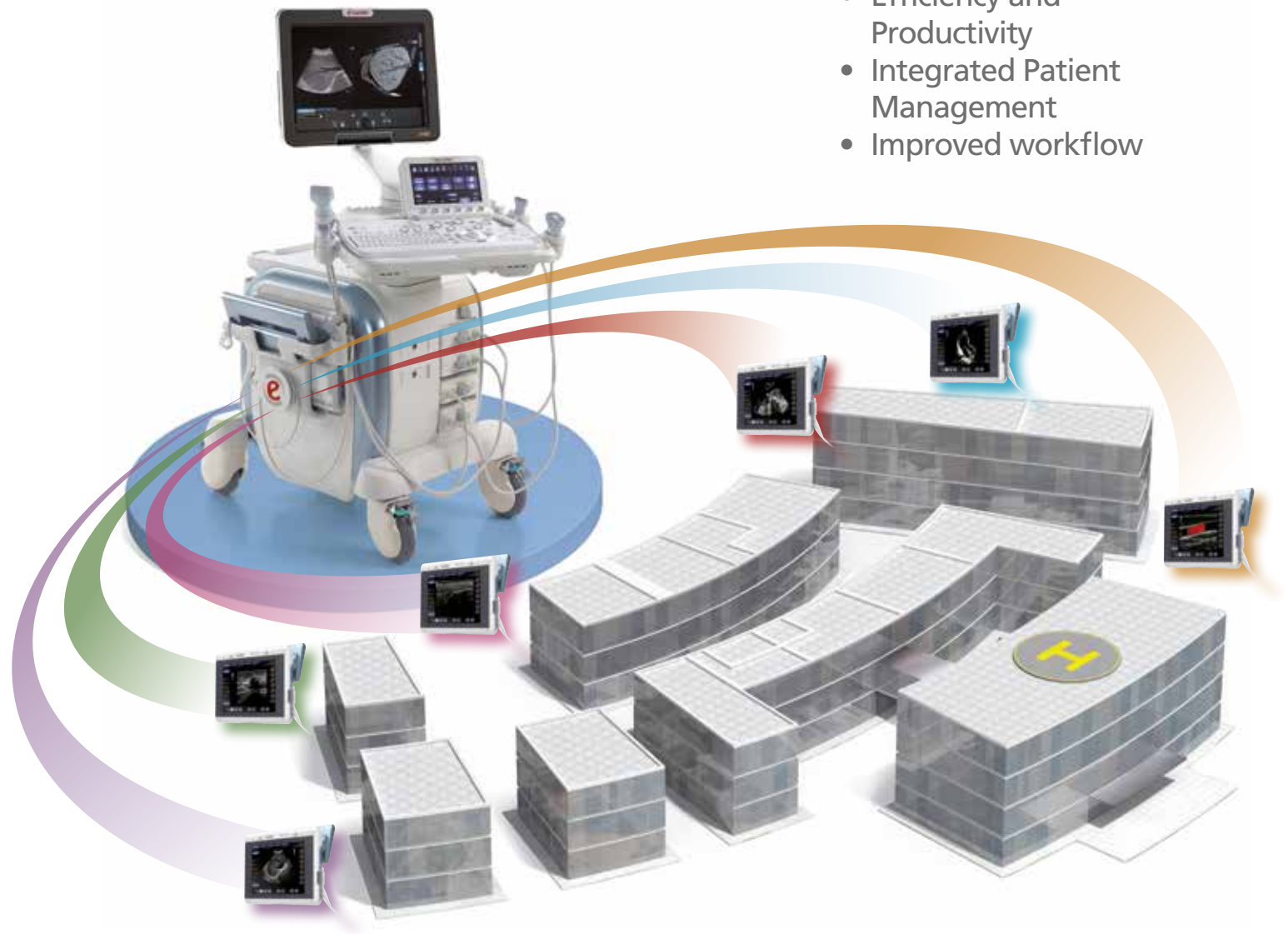
The unique MyLab™Twice concept allows physicians to seamlessly integrate results from point-of-care exam with imaging from the standard workflow.

The MyLab™One point-of-care unit moves to wherever it is needed, for faster diagnosis and improved patient care.

The integration of all clinical information will surely provide an improved workflow, providing better and safer diagnostic services.

MyLab™Twice

- Efficiency and Productivity
- Integrated Patient Management
- Improved workflow



and Point-of-Care Ultrasound



Radiology (Breast, MSK)
Surgical
Emergency Medicine,
Interventional Radiology



Internal Medicine,
Gastroenterology
Oncology



Rheumatology
Endocrinology



Ob/Gyn
Urology



Cardiology
Anaesthesiology
Critical Care/ICU



Vascular
Pediatrics

MyLabOne

- Intuitive touch screen
- Fast
- Built-in Transducer Controls

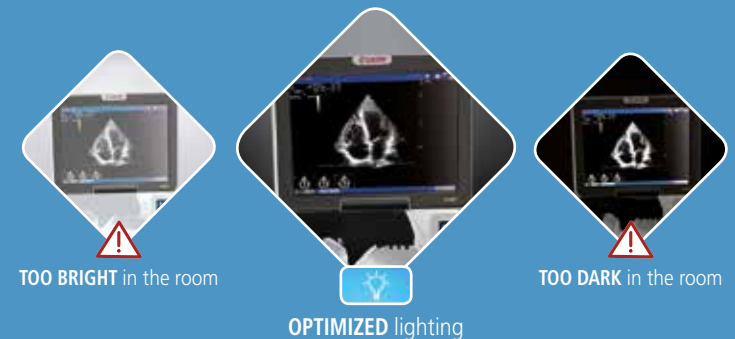


Ergonomics and Comfort in daily practice

- Intuitive interface
- High-quality touch screen
- Full ergonomics
- Compact system

Opti-Light

Optimal lighting has always been a crucial factor for ultrasound imaging. The latest Technology of wide LCD 19" monitor allows images to be clearly visualized in any situation. In addition, MyLabTwice introduces a further and unique feature: Opti-Light, the possibility to control the lighting room level directly from the touch screen. Once again, one step ahead in users' comfort and patient care.



Easy Networking for integrated Patient Management

- Wireless technology
- Easy connectivity
- Data integration
- Accurate Patient Management



MyLab™App MyLab™App is the new APP to visualize images and videos on mobile devices



MyLab™Remote

MyLab™Remote is the revolutionary Esaote APP which transforms your iPad™ and iPhone™ into a wireless remote controller to control your MyLab™ Ultrasound system in real-time. MyLab™Remote enables real-time management of your MyLab™Twice Ultrasound system for basic (Imaging and Doppler modalities) and advanced features (Elastosonography, CEUS, Fusion Imaging).



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