Evolution is the Esaote’s continuous improvement program which ensures products and services enhancement as well as increased customer satisfaction.
Improved clinical confidence and image quality

**CPI improvement**

Difficult-to-scan patients are quite common in today’s echo labs. Esaote’s CPI technology addresses these challenges by supplying sonographers with a better penetration, optimal image contrast, increased spatial resolution and less speckle artefacts. Detailed images are acquired also with obese patients, gaining clinical confidence even in very deep areas.

**Balance setting**

Speckle artefacts reduction is a very important function but users’ must also feel confident about the type of imaging they can acquire with an ultrasound system. For this reason the new XView+ speckle-reduction adaptive technology also features a balance setting function which operators can use to adjust the algorithm's behaviour to their preference.

**New microconvex probe - SC3121**

The use of micro-convex probes is recommended when a small footprint size and a wide field of view are required. SC3121 is a lightweight probe that features an ergonomic design and a very broad bandwidth to ensure that both superficial and deep scans supply detailed images.
Better workflow, reduced examination time

Autoadjust
Autoadjust is an intelligent image optimization algorithm. It offers the possibility to adjust gain and TGC with a single touch. This easily translates into physicians’ comfort, time saving and increased productivity.

Smart Doppler
Time consuming actions such as line reversing and adjusting probe’s angle to properly detect and to measure blood flow, strongly affect vascular examinations’ exam time. Smart Doppler automates such common actions with one single touch allowing for a faster and simpler examination workflow, while maintaining the same precision and quality.
Interventional radiology dedicated probe - SI2C41

Histological staging of liver biopsy is currently the most widely used reference standard for an accurate assessment of liver disease in patients with chronic liver disease. Liver biopsy, however, has recognized risks as well as observer error and sampling variability. These limits have prompted Esaote to develop a dedicated ergonomic and optimal solution for 0 degrees biopsy and treatment procedures: the SI2C41 convex probe. A dedicated biopsy kit with superior imaging and elasto-liver contrast agents complete Esaote's offer for Interventional Radiology.

MyLab Remote

Being able to remotely control the ultrasound system can be a crucial asset in specific clinical environments in order to having direct access to sterilized and disinfected ultrasounds systems in the operating room from a distance. This compact device that can be remotely controlled is a comfortable tool to perform diagnostic procedure. MyLab Remote is an asset to accomplish the daily needs within all critical clinical environments.
EchoLaser

Laser is a proven and valuable solution for treatment. Esaote’s EchoLaser system has now been upgraded to offer additional new features to aid physicians during interventional procedures.

- Ablation/Biopsy guidance in trapezoidal mode, to enlarge the field of view while performing interventional procedures.
- Echolaser thyroid planning on LA332, to extend guidance through a larger number of transducers.
- Virtual Navigator with Percutaneous Laser Ablation tools, to benefit from fusion imaging while performing interventional procedures.

Contrast capture

While performing Contrast Enhancement Ultrasound (CEUS) exams, Contrast Capture is very helpful to detect low-flow vascularisation. Multiple frames are overwritten on the same image to deliver more precise clinical information.

VueBox compatibility

VueBox® is a special software provided by Bracco Suisse S.A. for Contrast Media Imaging quantification. It works in DICOM and includes the MyLabTwice system profile and settings as one of the better performing systems in this field.

To get a free VueBox trial version, visit: http://vuebox.bracco.com
Real breakthrough in Obstetrics

Improved 2D/3D imaging

By combining different adaptive algorithms with imaging processing, obstetric imaging has greatly improved and can now deliver:
- Image homogenization
- Better definition of the anatomical structures
- High-definition of fine details
- Optimized speckle and noise reduction

XLight Advanced rendering light model for baby face

XLight is based on state-of-the-art 3D rendering techniques with innovative shadowing effects based on moveable virtual light sources which delivers realistic images of the fetus.
XLight contributes to a friendly representation of clinical outcomes and represents a terrific improvement in diagnostic confidence.

STIC- Spatio-Temporal Image Correlation

STIC is a technology that allows to display and analyze fetal heart structures as a 4D cine sequence which contains the data of a full cardiac cycle.
The final result is a complete dataset of fetal heart volume image sequences to which further analysis or post-processing techniques may be applied.
New options for transcranial imaging

New TCD probe - S2MPW
The new pencil probe allows to use PW Doppler to precisely detect transcranial blood flows

Fusion imaging - motion compensation
Motion compensation is very important while performing Fusion Imaging exams. It automatically adjusts the image registration, ensuring a perfect matching between the two modalities.