

## BodyMap: the Esaote GPS Technology 2D navigation within any type of DICOM image

Precisely locating the position of lesions or other anatomical landmarks on real-time ultrasound, while taking advantage of 2D second modality, is a challenge in everyday clinical practice.

Estimating the correct position of the probe according to the mammography, x-rays, and so on, ensuring good precision and ideal tracking would be almost impossible without a GPS-like tracking system.

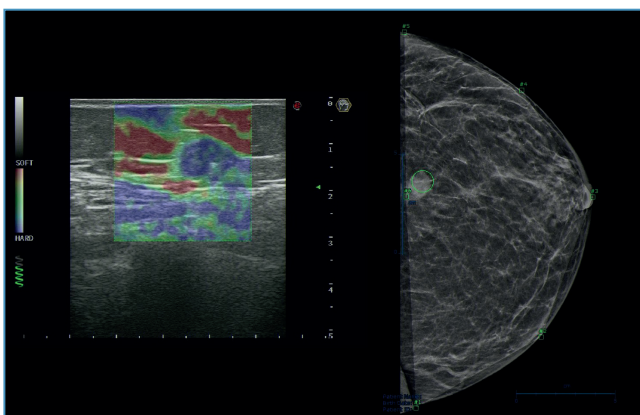
The answer is Esaote **BodyMap**: a unique Esaote technology which enables 2D navigation within any type of DICOM 2D image.

BodyMap technology enables the visualization of the probe as a green circle on a second modality image, such as mammography, RX, SPECT-CT, MRI Slice, and more besides.

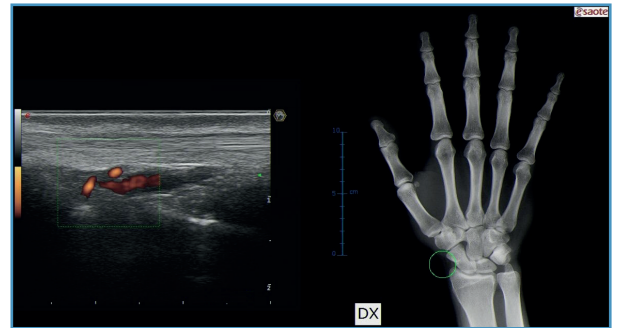
With standard BodyMap 2D navigation, you can use all of the following modalities:

- B-Mode, Color, Power Doppler and XFlow
- **microV**: Esaote Advanced Hemodynamic Analysis
- **elaXto**: Esaote Real time Elastosonography
- **CnTI™**: Esaote CEUS Technology

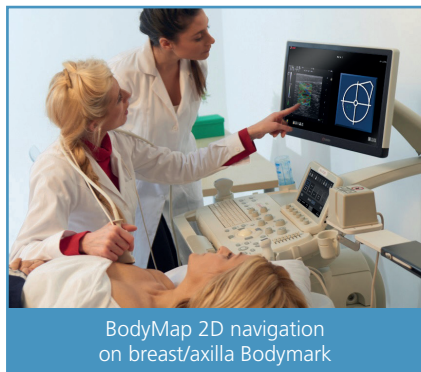
Potential applications with second modalities are limited only by your imagination.



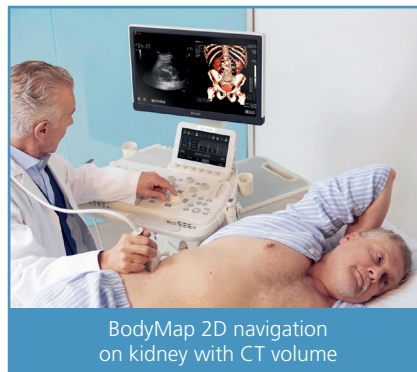
The registration phase can be performed by selecting some easily recognizable natural skin markers on the reference image and on the patient's body (such as nipple, areola or axilla). With at least three reference points, perfect registration between the real-time US and the reference image for 2D navigation is possible.



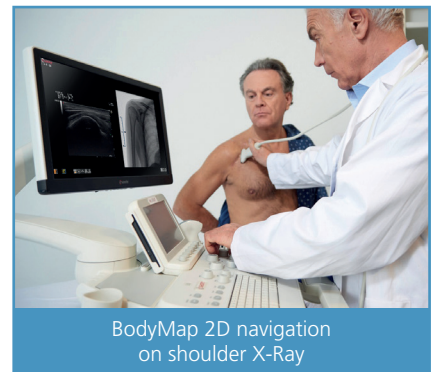
The pointing and selection of the reference points is done directly with the US probe, using the center of the array as pointer. Use of the 2D navigation BodyMap technology is always possible, with good correspondence between the probe representation (green circle) and the real probe position during real-time US.



BodyMap 2D navigation on breast/axilla Bodymark



BodyMap 2D navigation on kidney with CT volume



BodyMap 2D navigation on shoulder X-ray

BodyMap is not only a very useful tool for procedure recordings and for teaching purposes, but also a tremendous support for the accurate diagnosis and proper planning of surgery and interventional procedures.



## BodyCamera

In addition to the possibility of navigating a second modality image, or the graphic representation of a body structure (Bodymark), with BodyMap technology, it is even possible to select a picture taken with the BodyCamera, thus enabling you to shoot a picture or record a real-time video of the area of the patient's body under examination.



**Thank you for considering Esaote.** We listen to your needs and work every day to provide the most advanced technologies and the most innovative design for you to excel in patient care.

Technology and features are system/configuration dependent. The use of Contrast Agents in the USA is limited by FDA to the left ventricle opacification and to characterization of focal liver lesions. Specifications subject to change without notice. Information might refer to products or modalities not yet approved in all countries. Product images are for illustrative purposes only. For further details, please contact your Esaote sales representative.

ESAOTE S.p.A Via Enrico Meloni, 77 16152 Genova, ITALY, Tel. +39 010 6547 1, Fax +39 010 6547 275, info@esaote.com



Please visit us online for more information