Secure your care
Samsung Healthcare Cybersecurity

Bringing peace of mind to your hospital and patients

To address this emerging need for cybersecurity, Samsung provides a solution to support our customers by offering the tools to protect against cyberthreats that may compromise invaluable patient data and ultimately degrade the quality of care. Samsung's Cybersecurity Solution strives to abide by the CIA triad (Confidentiality, Integrity, and Availability) and takes a comprehensive approach to providing impeccable protection with the following pillars: Intrusion prevention, Access control, and Data protection.

Intrusion prevention

Tools for protecting against cyber threats from external attacks

· Security tools include Anti-virus & Firewall
· Secured operating system

Access control

Strengthened surveillance for tracking the access of patient information

· Account management
· Enhanced audit trail

Data protection

Encryption functions for safeguarding data whether at-rest or in-transit

· Data protection
· Transmission security

* This product, features, options and transducers are not commercially available in all countries. Due to regulatory reasons their future availability cannot be guaranteed. Please contact your local sales network for further details.

* This product is a medical device, please read the user manual carefully before use.

* Beyond Experience™ is not the name of a function, but is Samsung's marketing terminology.

* S-Vision™ is the name of Samsung's ultrasound imaging technology.

* S-Vue Transducer™ is not the name of a function, but is the name of Samsung's advanced transducer technology.

* S-Detect™ for Breast and S-Detect™ for Thyroid are not available in Canada.

* Strain value for ElastoScan+™ is not applicable in Canada and the United States.

* All clinical images on this catalog are acquired by the RS85 V1.0 ultrasound system.

About Samsung Medison CO., LTD.
Samsung Medison, an affiliate of Samsung Electronics, is a global medical company founded in 1985. With a mission to bring health and well-being to people's lives, the company manufactures diagnostic ultrasound systems around the world across various medical fields. Samsung Medison has commercialized the Live 3D technology in 2001 and since being part of Samsung Electronics in 2011, it is integrating IT, image processing, semiconductor and communication technologies into ultrasound devices for efficient and confident diagnosis.

Exceptional Confidence

Ultrasound System
RS80 EVO

Scan code or visit
www.samsunghealthcare.com
to learn more

EXPERIENCE
A New Healthcare
Solution

SAMSUNG

Becoming part of evolutionary ultrasound

Beyond Experience, an integrated solution engineered to offer medical professionals a new and outstanding experience in diagnosis, delivers enriched views, advanced intelligence, streamlined workflow, and patient-centered care.

RS80 EVO is a versatile system provides exquisite image quality for wide range of applications including abdominal, cardiac, vascular and musculoskeletal, with enhanced diagnostic features. Our ultrasound system will help you make decisions quickly and more confident while keeping exam uniformity.

Ultrasound System **RS80 EVO**

BEYOND EXPERIENCE™

Samsung's commitment to supporting confident decision making

Enriched View

Advanced Intelligence

BEYOND EXPERIENCE™

Streamlined Workflow

Patient-centered Care

Exquisite Image Quality

Samsung's image enhancing and artifact suppressing technologies provide clear, detailed imaging that you can count on to help improve diagnostic confidence and imaging continuity as well as its expert tools offer new perspectives and provide additional information for confident decision making.

S-Vision™ Imaging Engine

With the S-Vision™ Imaging Engine built into RS80 EVO, the digital signals produce clear, detailed resolution and tissue uniformity for various types of applications in general imaging.

Resolution   Penetration   Uniformity
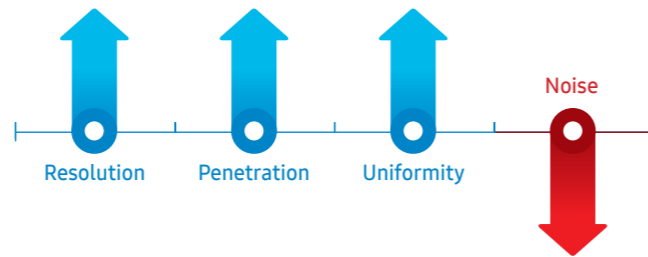
Noise

* The image above is for illustrational purposes only and might differ from the actual performance of the device.

S-Harmonic™

S-Harmonic™ mitigates the signal noise, enhances contrast, and provides uniform image performance of overall image area from near-to-far.

S-Harmonic™ off   S-Harmonic™ on
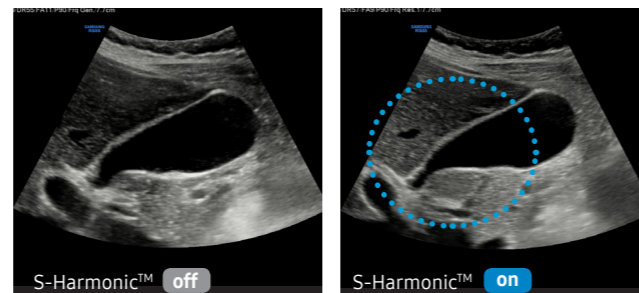
Gallbladder

HQ-Vision™

HQ-Vision™ provides clearer images by mitigating the characteristics of ultrasound images that are slightly blurred than the actual vision.

HQ-Vision™ off   HQ-Vision™ on
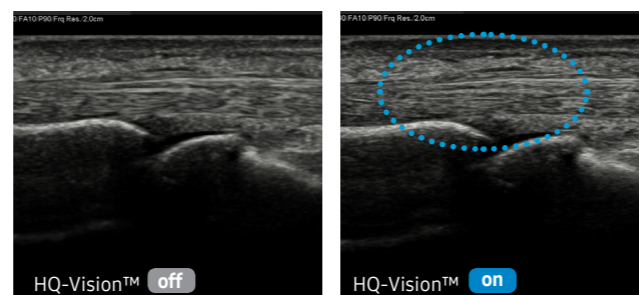
Finger

ClearVision

The noise reduction filter improves edge enhancement and creates sharper 2D images for optimal diagnostic performance. In addition, ClearVision provides application-specific optimization and advanced temporal resolution in live scan mode.
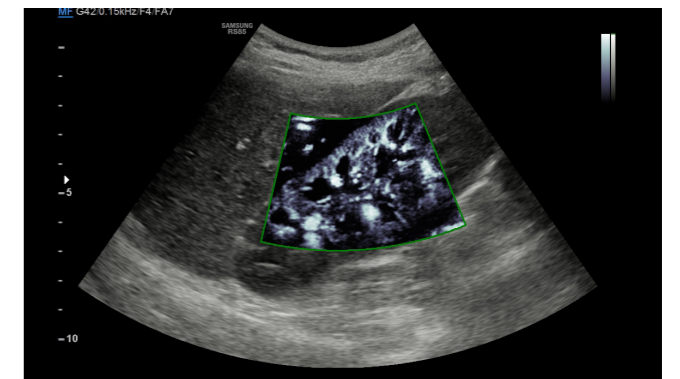
ClearVision off   ClearVision on
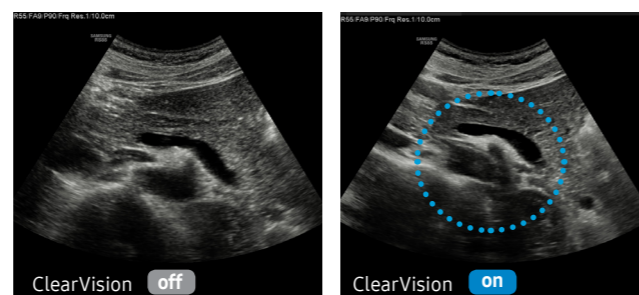
Pancreas

MV-Flow™

MV-Flow™ offers a novel alternative to power Doppler for visualizing slow flow of microvascularized structures. High frame rates and advanced filtering enable MV-Flow™ to provide a detailed view of blood flow in relation to surrounding tissue or pathology with enhanced spatial resolution.

S-Flow™

S-Flow™ is a directional power Doppler technology, which helps in diagnosis of complex forms of blood flow.

Kidney with MV-Flow™

CEUS+

CEUS+ is a contrast enhancement imaging technology that utilizes the characteristics of ultrasound contrast agents. The microbubble contrast agent injected into the body through the vein or alike is subjected to perform nonlinear resonance due to stimulation of ultrasound energy. In addition to the nonlinear signal generated by this method, the ultrasound contrast image is implemented by using the harmonic signal and thus utilized for the diagnosis based on the contrast characteristics over time.
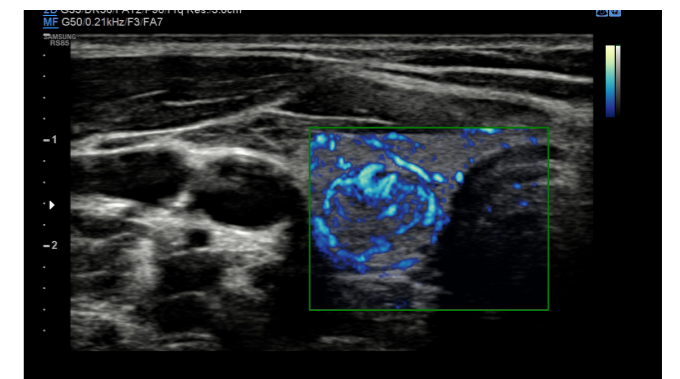
Thyroid with MV-Flow™

S-Fusion™

S-Fusion™ enables simultaneous localization of a lesion using real-time ultrasound in conjunction with other volumetric imaging modalities. Samsung's Auto Registration helps quickly and precisely fuse the images, increasing efficiency and reducing procedure time. S-Fusion™ enables precise targeting during interventional and other advanced clinical procedures.

S-Fusion™ for Prostate

S-Fusion™ for Prostate allows safe navigation and precise targeting during prostate biopsies based on 3D models created from MR data sets, and also provides a function to report biopsy location.

ArterialAnalysis™

ArterialAnalysis™ detects functional changes of vessels, providing measurement values such as the stiffness, intima-media thickness and pulse wave velocity of the common carotid artery. Since the functional changes occur before morphological changes, this technology supports the early detection of cardiovascular disease.
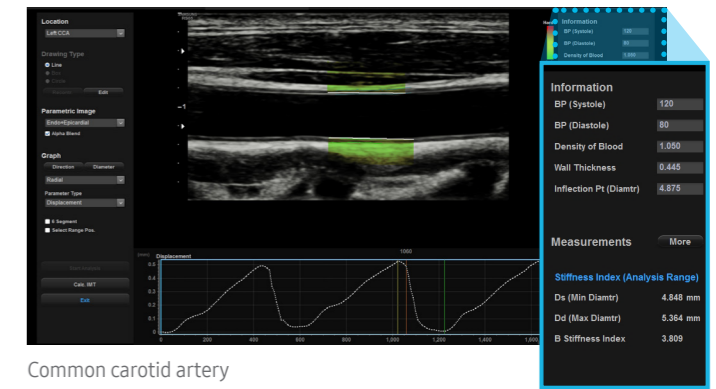
Common carotid artery

S-3D ArterialAnalysis™

S-3D ArterialAnalysis™ simplifies volume measurement of arterial plaque, providing 3D vessel modeling. With Samsung's S-3D ArterialAnalysis™, obtaining information on the arterial plaque volume is surprisingly fast and easy even on difficult patients. In addition, it allows you to track the morphological changes of the artery.
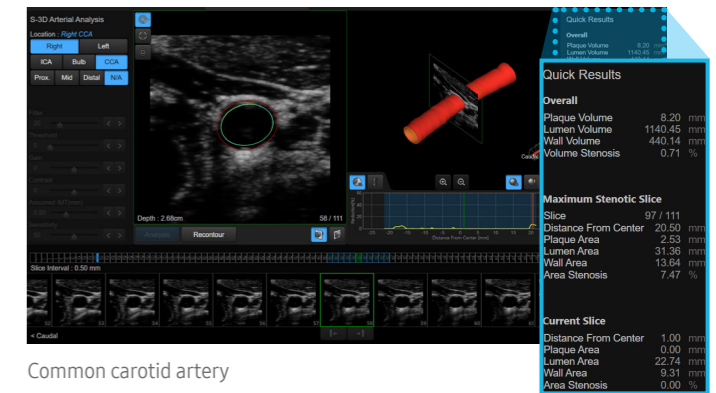

Common carotid artery

Increased Consistency

With its advanced intelligent solutions, including an extensive range of quantification functions, RS80 EVO provides measurement consistency while reducing variability between users.

S-Shearwave Imaging™

S-Shearwave Imaging™ allows for non-invasive assessment of the stiffness of tissue/lesions in various applications such as breast, liver, MSK and prostate. The color-coded elastogram, quantitative measurements, dual or single display option, and user-selectable ROI functions are especially useful for the accurate diagnosis of breast and liver diseases.
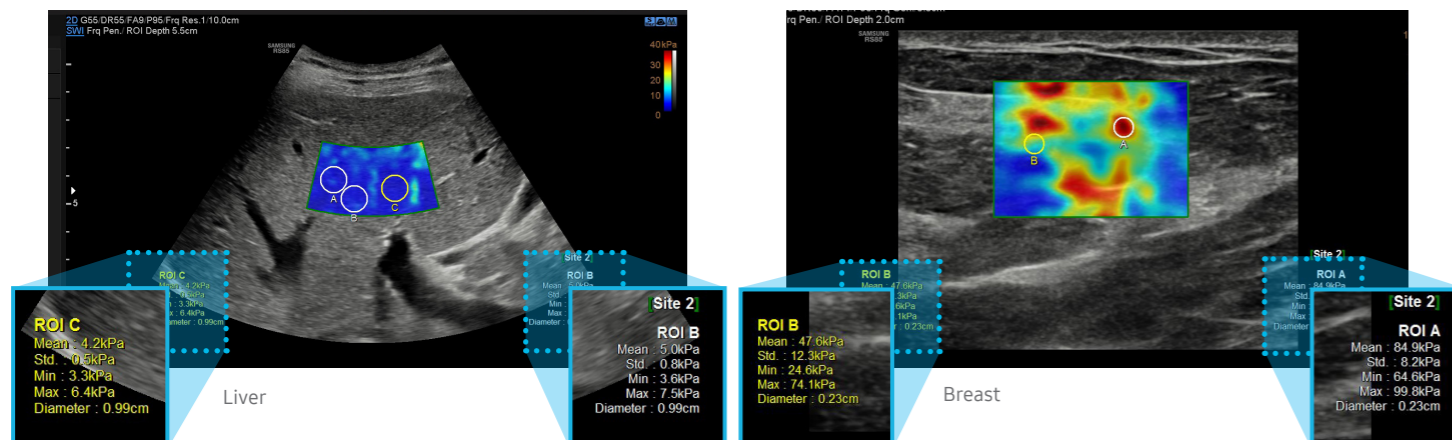
S-Detect™ for Breast

The feature, which analyzes selected lesions in the breast ultrasound study and shows the analysis data, applies BI-RADS ATLAS* (Breast Imaging-Reporting and Data System, Atlas) to provide standardized reporting; and helps diagnosis with the streamlined workflow.

* Registered trademark of ACR and all rights reserved by ACR.
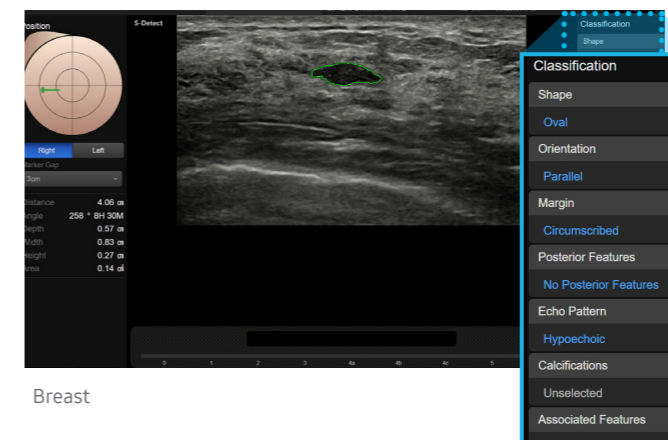
S-Detect™ for Thyroid

The feature, which analyzes selected lesions in the thyroid ultrasound study and shows the analysis data, provides standardized reporting based on the *ATA, BTA, EU-TIRADS and K-TIRADS guidelines; and helps diagnosis with the streamlined workflow.

* ATA: American Thyroid Association
  BTA: British Thyroid Association
  EU-TIRADS: European Thyroid Imaging Reporting and Data System
  K-TIRADS: Korean Thyroid Imaging Reporting and Data System

Liver

Breast

Breast
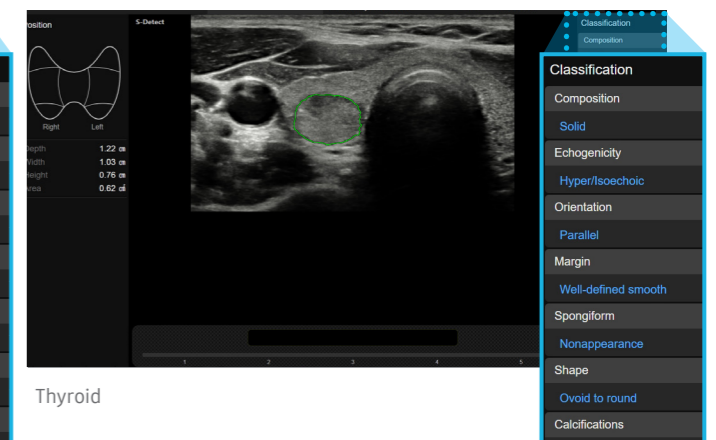
Thyroid

Enhanced Efficiency

The RS80 EVO has been designed to streamline your workflow by enhancing efficiency through reducing keystrokes and by combining multiple actions into one.

Touch Customization

A customizable touchscreen interface that allows the user to move frequently used functions to the first page, keeping the focus on the patient instead of the system.
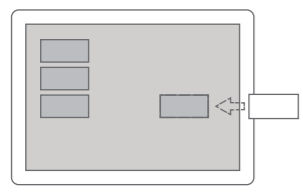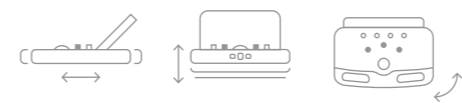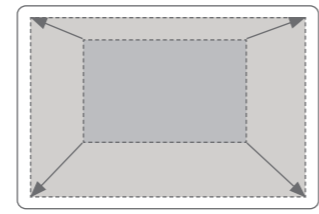
QuickPreset

With one touch, the user can select the most common transducer and preset combinations. QuickPreset increases efficiency to make a full day of scanning simple and easy.
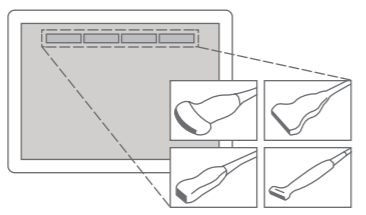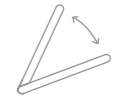
Full Screen

In the Full Screen mode, the ultrasound examination can be performed while viewing the image/cine that is fully expanded to the entire monitor.

13.3-inch Tilting Touch Screen

Samsung's tilting touch screen can be adjusted to accommodate any user's viewing preferences within any scanning environment.

6-way Control Panel

The RS80 EVO's 6-way adjustable control panel optimizes your work environment to reduce repetitive motions stress. When it's in off-mode, the control panel returns to the home position, allowing for easier and enhanced mobility.

Gel Warmer

Samsung's two-level adjustable gel warmer keeps ultrasound gel at a comfortable temperature.
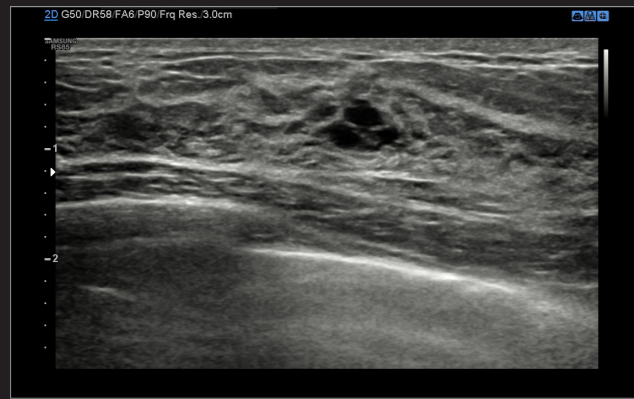
Central Lock

A single pedal controls a central lock mechanism to conveniently secure the console in place. This results in more efficient movements while the user is performing scanning procedures.
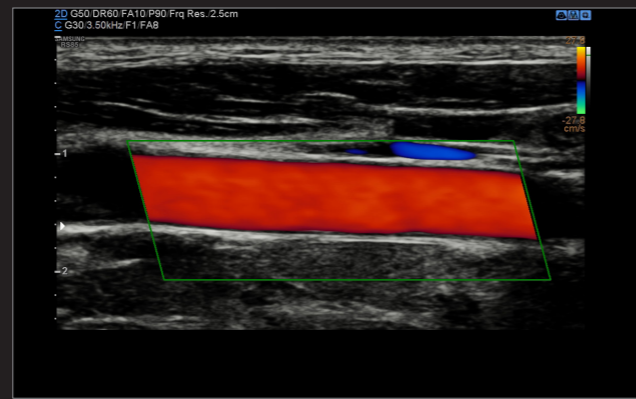
Maneuverable Wheel
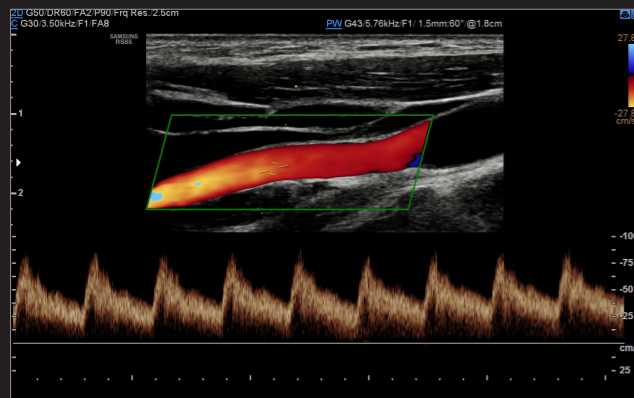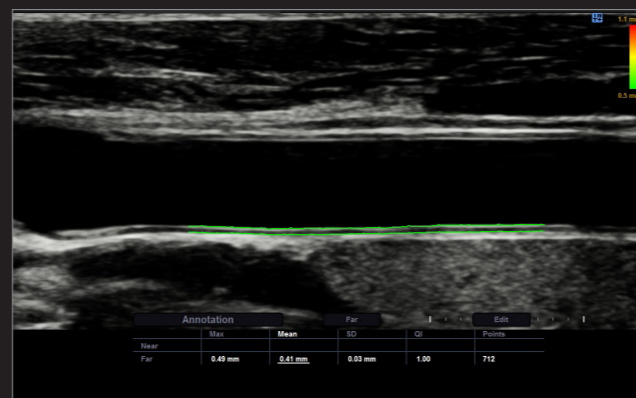
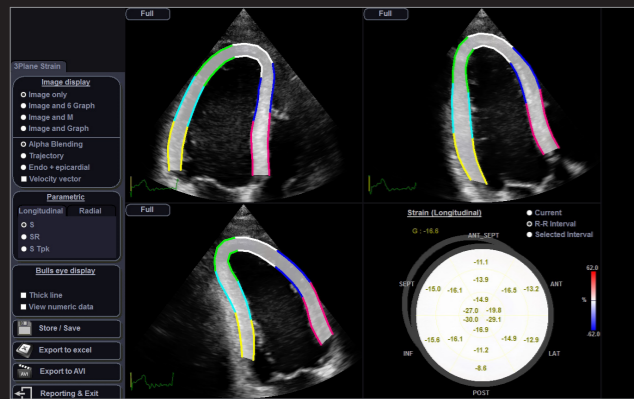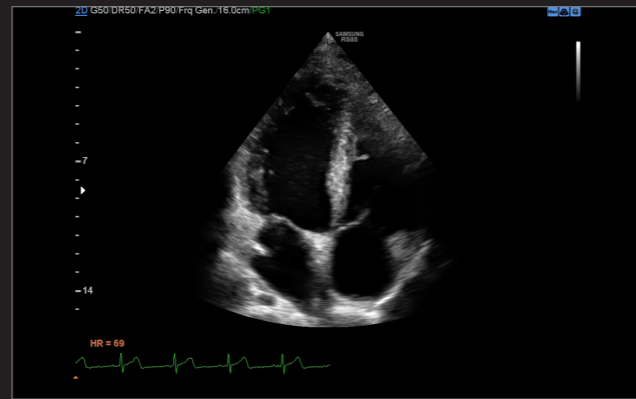4 swivel wheels allow easy steering, and a locking function.
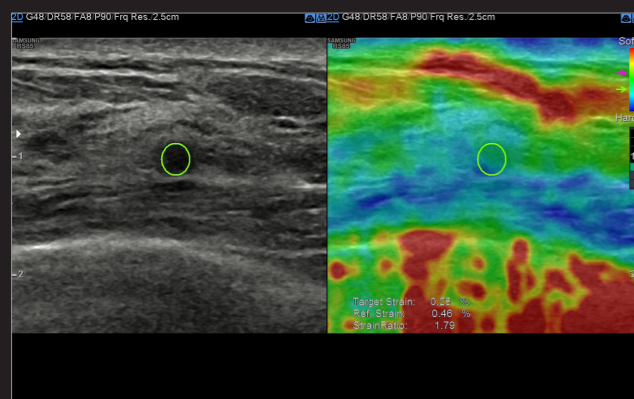
Breast mass

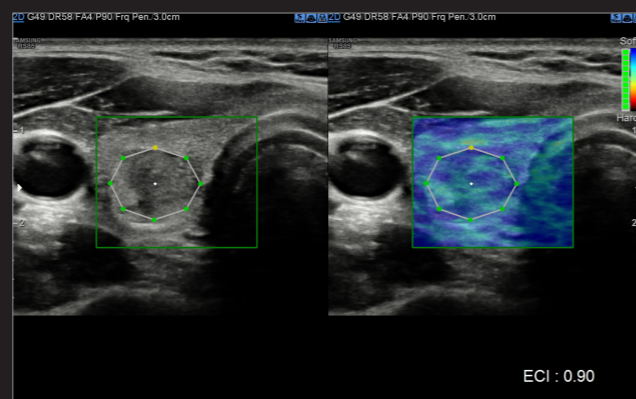Common carotid artery

Internal carotid artery

Auto IMT+

Strain+

4 Chamber

E-Breast™

E-Thyroid™

Comprehensive Selection of Transducers

Curved array transducers

CA1-7A	CA3-10A	CA2-8A	CF4-9
Application: abdomen, obstetrics, gynecology, contrast	Application: abdomen, obstetrics, gynecology	Application: abdomen, obstetrics, gynecology	Application: pediatric, vascular

Linear array transducers

LA4-18B	L3-12A	LA3-16A	LA2-9A	LA3-16AI
Application: small parts, vascular, musculoskeletal	Application: small parts, vascular, musculoskeletal	Application: small parts, vascular, musculoskeletal	Application: small parts, vascular, musculoskeletal	Application: musculoskeletal

Phased array transducers

PM1-6A	PA3-8B	PA4-12B
Application: cardiac, TCD, abdomen	Application: cardiac, pediatric, abdomen	Application: cardiac, pediatric

Endo-cavity transducers

EA2-11B	E3-12A
Application: obstetrics, gynecology, urology	Application: obstetrics, gynecology, urology

CW transducers

CW6.0	DP8B	DP2B
Application: cardiac	Application: cardiac	Application: cardiac

TEE transducer

MMPT 3-7
Application: cardiac

Volume transducers

CV1-8A	LV3-14A	V5-9	EV3-10B
Application: abdomen, obstetrics, gynecology	Application: musculoskeletal, small parts, vascular	Application: obstetrics, gynecology, urology	Application: obstetrics, gynecology, urology

* Some of the transducers may not be available in some countries.