Samsung Medison is a global leading medical devices company. Founded in 1985, the company sells cutting-edge diagnostic ultrasound devices around the world in various medical fields. The company has attracted global attention in 2001, by introducing Live 3D technology. In 2011, Samsung Medison became an affiliate company of Samsung Electronics, integrating world's best IT, image processing, semiconductor and communication technologies into diagnostic ultrasound systems.

CT-SONOACE R7 3.01-FTW-140519-EN

A COMPACT SYSTEM WITH ADVANCED PERFORMANCE

SONOACE R7

SAMSUNG
SAMSUNG MEDISON

SAMSUNG
SAMSUNG MEDISON

RE-DEFINED

The SonoAce R7, with Samsung Medison's outstanding 2D performance, very sensitive Pulsed Wave, color Doppler and 3D/4D diagnostic technology, redefines how to meet the essential needs of users. The SonoAce R7 offers 3D XI™, e-Motion Marker™, ElastoScan™, Strain, Stress Echo and many additional tools for diagnosis in multiple applications.
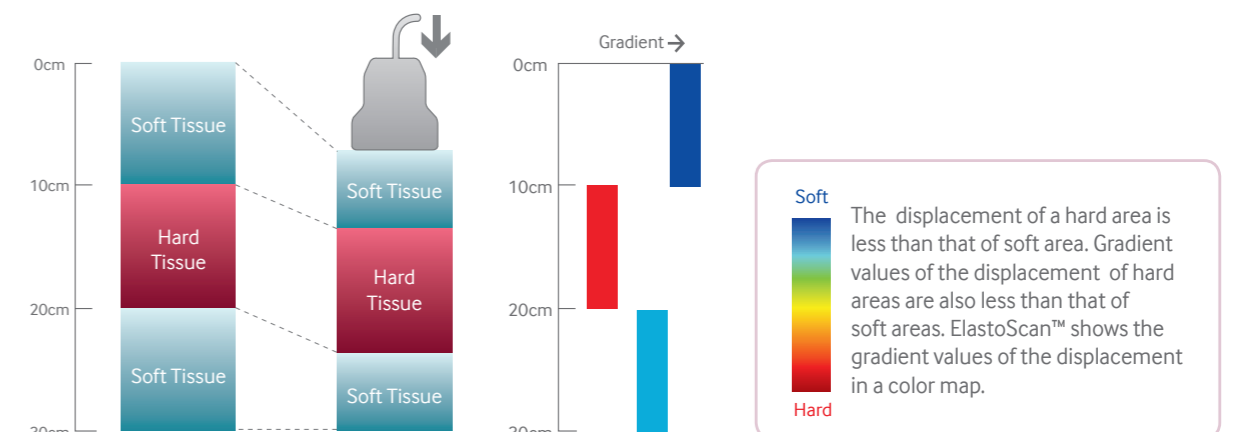
e-Motion Marker™

e-Motion Marker™ displays the direction of the probe's beam plane on the screen and provides reference information to assist in diagnosis. The position of the uterus and ovaries can be expressed easily and intuitively.
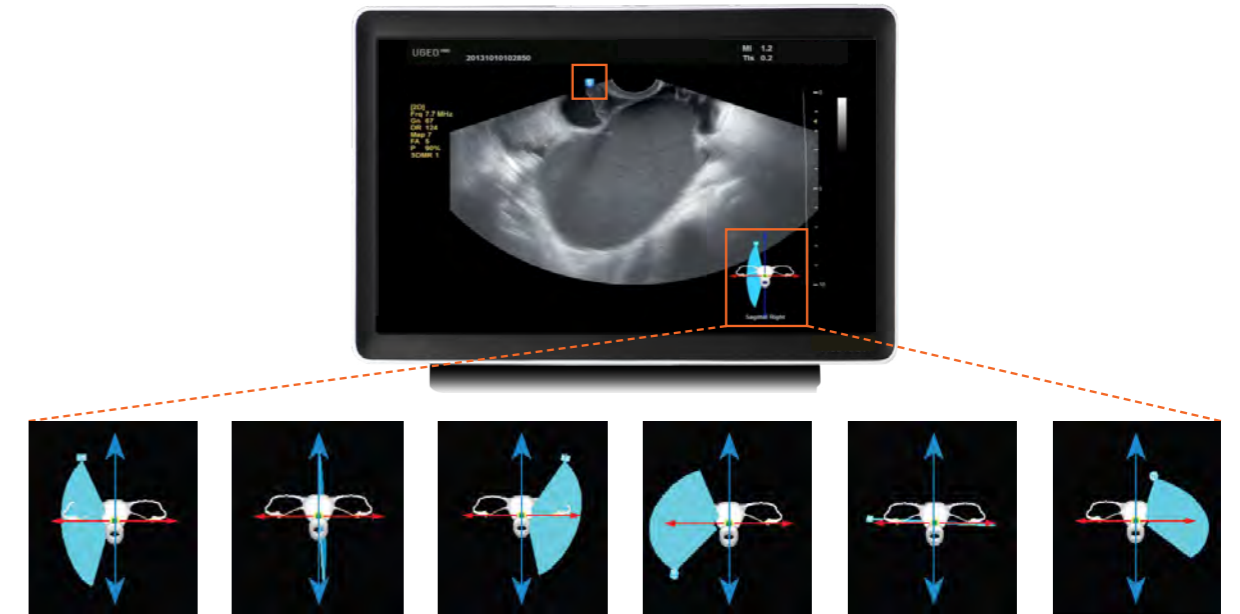
ElastoScan™

Designed to aid early detection of malignant diseases and provide functional information on the tissue, ElastoScan™ applies strain imaging technology which displays the gradient value of tissue displacement via color map. Users can gain useful information on tissue stiffness without palpation, which was not available with conventional exams.

The displacement of a hard area is less than that of soft area. Gradient values of the displacement of hard areas are also less than that of soft areas. ElastoScan™ shows the gradient values of the displacement in a color map.

ADVANCED PERFORMANCE FOR YOUR EFFICIENCY

Strain

Strain function quantitatively displays cardiac motion using motion vectors and diagnoses cardiac dyssynchrony. User can detect information of radial speckle tracking easily and obtain trajectory with strain information, which enables examiner to have intuitive diagnosis.

Stress Echo

SonoAce R7 provides a complete package for pharmacological Stress Echo, diastolic Stress Echo, and exercise Stress Echo. The programmable features of each Stress Echo study give you a streamlined workflow to fit your needs. Stress Echo supports a flexible reporting format that can be individually optimized for your workplace environment.

Accurate

The effective utilization of a wide Dynamic Range, in combination with sophisticated image processing features like SCI™, DMR™ ensures consistently high resolution images with the SonoAce R7

- DPDI
- DMR-Plus™
- Wide Dynamic Range
- Multi Beam Processing
- SCI™ (Spatial Compound Imaging)
- FSI™ (Full Spectrum Imaging)
- SRF™ (Speckle Reduction Filter)

Easy

Samsung Medison's Live 3D and 3D XI™ensure that the system can be used for both baby facing and diagnostic 3D/4D. It offers easy control over 3D/4D volume data manipulation for maximum diagnostic accuracy.
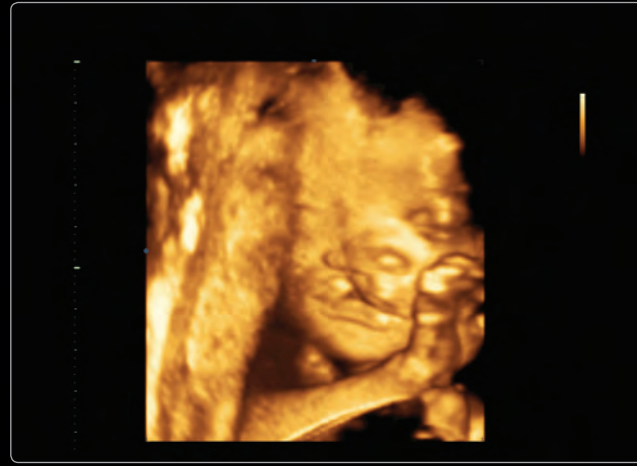
- ElastoScan™ (Breast, GYN)
- 3D XI™
- Strain
- Stress Echo
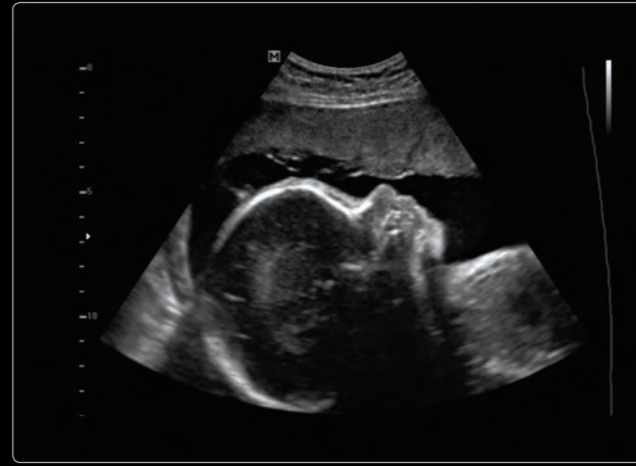- e-Motion Marker™
- Panoramic

Fast

Advanced 2D recognition software, QuickScan™ and Auto IMT+™ allows the SonoAce R7 to maximize workflow with the simple push of a button.

- QuickScan™
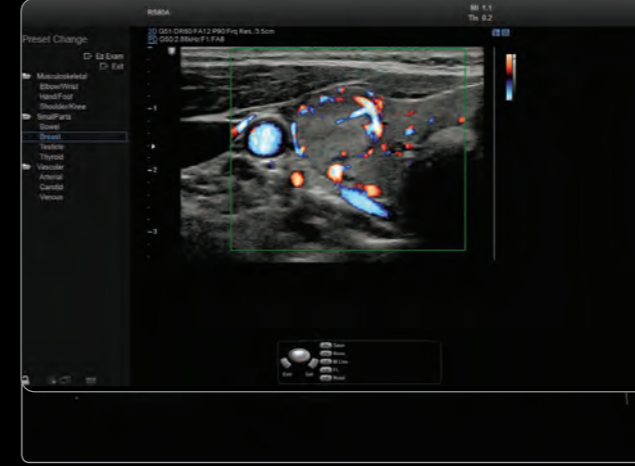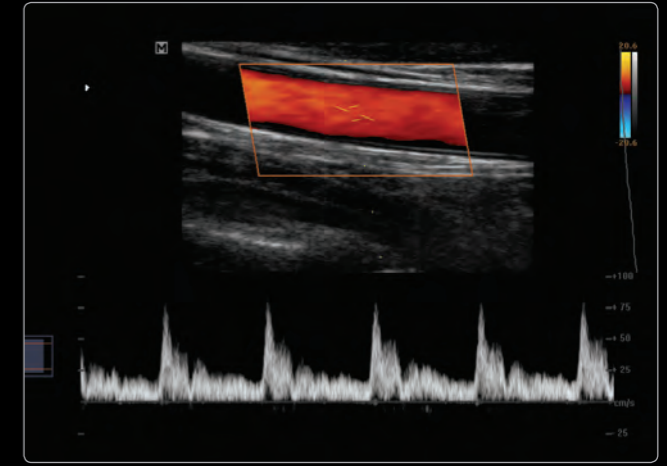- Auto IMT+™
- Trapezoidal View
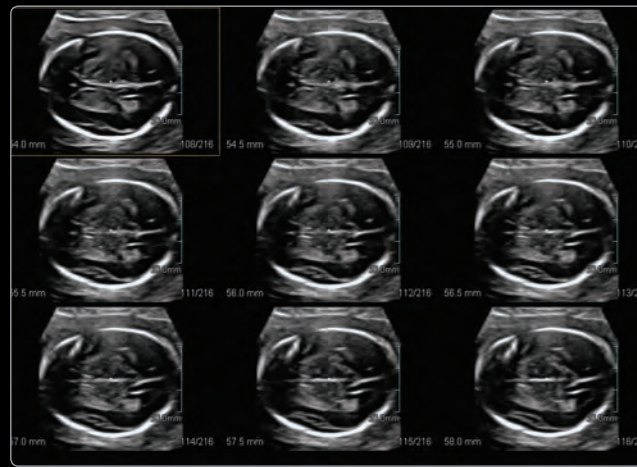
IMAGE GALLERY

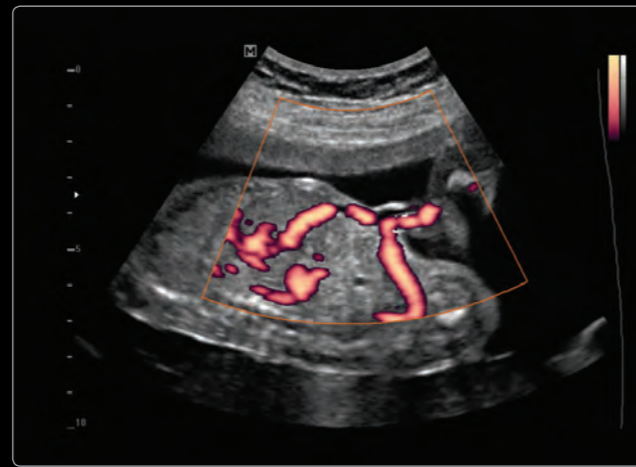Cleft lip in 3D

Fetal profile at 22 weeks
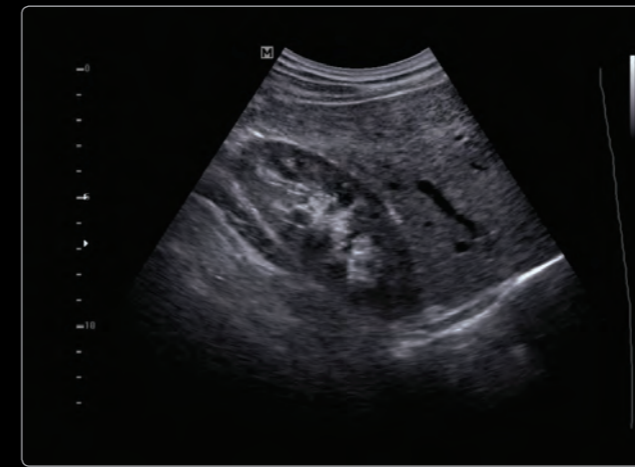

Thyroid nodule of DPDI image

Carotid artery Doppler image
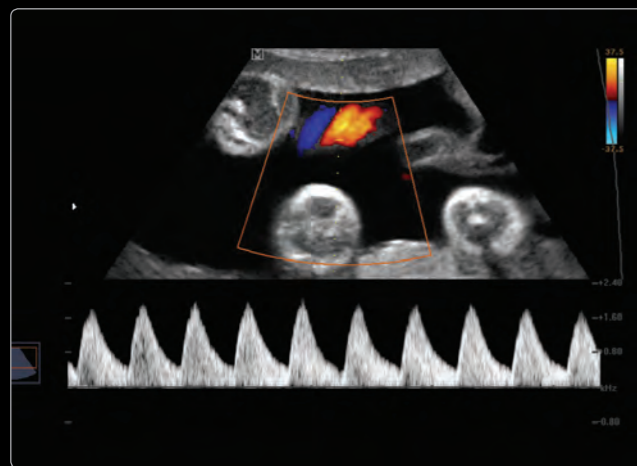

Fetal brain in Multi Slice View

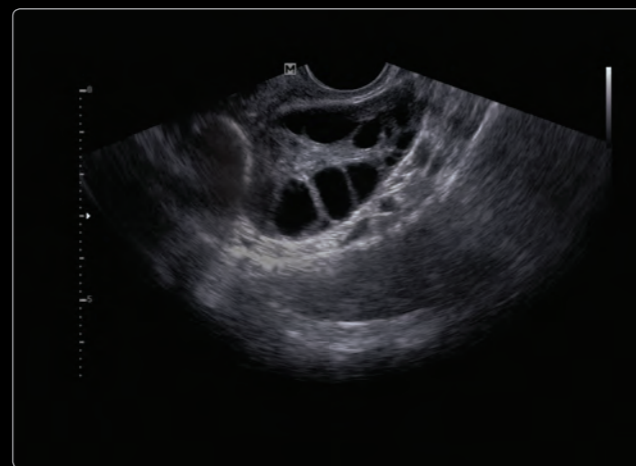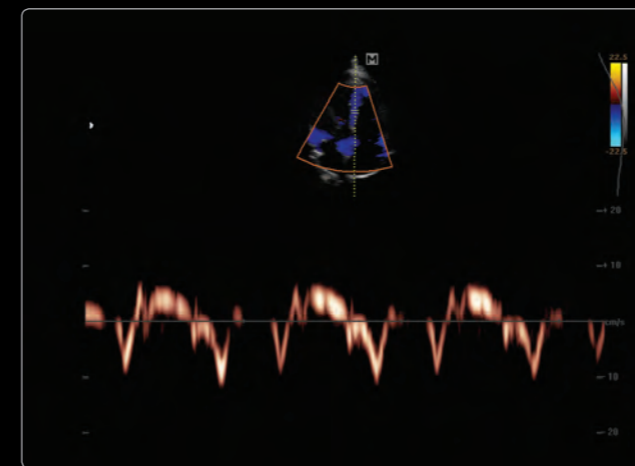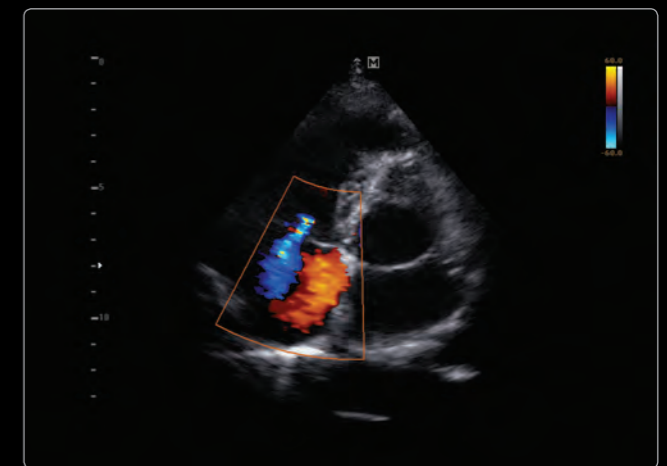Fetal blood circulation

Kidney

Liver

U. A. Doppler (zoomed)

Vaginal image of ovary follicles

Adult heart with Pulsed Wave TDI

Trivial Regurgitation

ERGONOMIC DESIGN

The SonoAce R7 is a slim and ultra-compact system, with many ergonomic features one would not expect in this class. The control panel can be set by the user to the desired height, has a very simple user interface, menus are customizable, and thanks to its light weight, provides easy mobility.

Control Panel

The control panel can easily be adjusted to the user's preferred height for a better working position. The control panel's design contributes to the improved workflow of the SonoAce R7.

Front and Rear Handle

To further improve the mobility of the SonoAce R7, it is equipped with a handle on both the front and the rear.

* 19 inch LCD monitor

Thanks to the 19 inch LCD monitor, the SonoAce R7 has a clearer image which contributes to a more accurate diagnosis.

e-Motion Marker™ Sensor

SonoAce R7 provides Samsung Medison's unique motion sensor for vaginal probe that is detachable.

OPTIMIZED PROBE SET CONFIGURATION

To get the most out of the system's versatility, our innovative transducer technology ensures visualizations that will give you powerful diagnostic capabilities.

Curved Array Probes

C2-8
- Application : Abdomen, OB, Gynecology
- Center Frequency : 4.6MHz
- Field of View : 68°

C2-5
- Application : Abdomen, OB, Gynecology
- Center Frequency : 3.4MHz
- Field of View : 45°

CF4-9
- Application: Abdomen, Vascular, Pediatric
- Center Frequency: 6.56MHz
- Field of View: 92°

Linear Array Probes

L3-8
- Application : Small Parts, Vascular, Abdomen
- Center Frequency : 5.0MHz
- Footprint : 38mm

L5-12/50
- Application : Small Parts, Vascular, Musculoskeletal
- Center Frequency : 7.5MHz
- Footprint : 50mm

LN5-12
- Application : Small Parts, Vascular, Musculoskeletal
- Center Frequency : 8.0MHz
- Footprint : 38mm

Volume Probes

3D4-8
- Application : Abdomen, OB, Gynecology
- Center Frequency : 4.5MHz
- Field of View : 84°

3DC2-6
- Application : Abdomen, OB, Gynecology
- Center Frequency : 3.8MHz
- Field of View : 69°

VN4-8
- Application : Abdomen, OB, Gynecology
- Center Frequency : 4.5MHz
- Field of View : 77°

3D4-9
- Application : OB, Gynecology, Urology
- Center Frequency : 6.5MHz
- Field of View : 145°

Phased Array Probes

P2-4
- Application : Abdomen, Cardiac, TCD
- Center Frequency : 3.5MHz
- Field of View : 19mm

PN2-4
- Application : Abdomen, Cardiac, TCD
- Center Frequency : 2.7MHz
- Field of View : 20mm

SP3-8
- Application: Cardiac, Abdomen, TCD
- Center Frequency : 5.3MHz
- Field of View: 90°

Endo-Cavity Probes

EVN4-9
- Application : OB, Gynecology, Urology
- Center Frequency : 6.5MHz
- Field of View : 148°

ER4-9
- Application : OB, Gynecology, Urology
- Center Frequency : 6.5MHz
- Field of View : 148°

CW Pencil Type Probe

CW2.0
- Application : Cardiac
- Center Frequency : 2MHz