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CT-R7 V3.02-FTW-141204-EN



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# A compact system with advanced performance

Ultrasound system  
**SONOACE R7**



**SAMSUNG**

## Re-defined

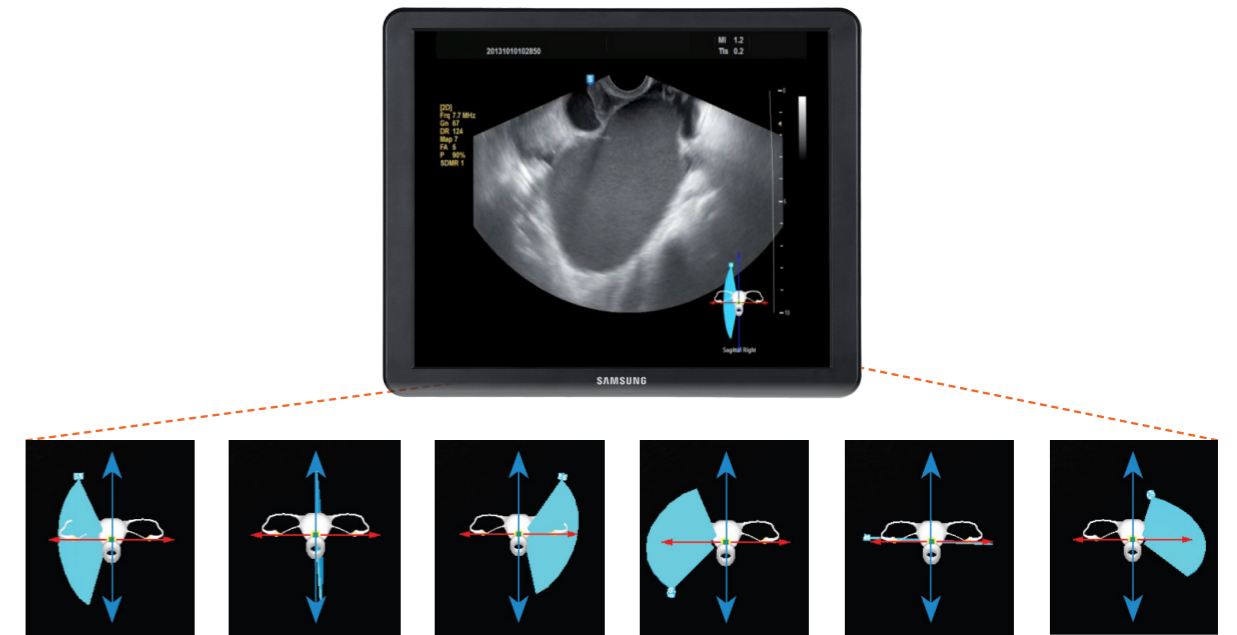
The SONOACE R7, with Samsung's outstanding 2D performance, sensitive Pulsed Wave, color Doppler and 3D/4D diagnostic technology, redefines how to meet the essential needs of users. The SONOACE R7 offers 3D XI™, e-Motion Marker™, ElastoScan™, Strain, Stress Echo and many additional tools for diagnosis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



## Accurate and easy diagnosis

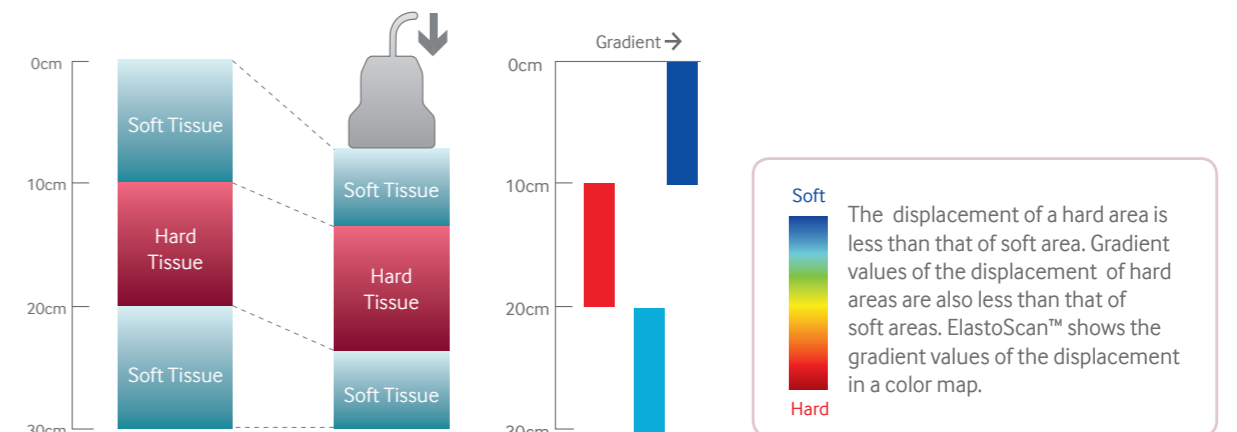
### e-Motion Marker™

e-Motion Marker™ displays the direction of the transducer'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™

A diagnostic ultrasound technique for imaging elasticity, ElastoScan™ detects the presence of a solid mass in tissues and converts the stiffness into color images. It verifies the presence of lesions reducing the burden of further cervical palpation.





## Advanced performance for your efficiency

### Accurate

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

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

### Easy

Samsung's advanced features such as ElastoScan™, 3D XI™ and e-Motion Marker™ ensure easy detection upholding diagnostic confidence.

- ElastoScan™
- 3D XI™
- Strain
- Stress Echo
- e-Motion Marker™
- Panoramic

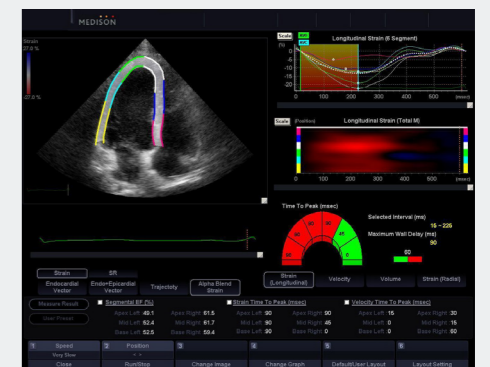
### Fast

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

- QuickScan™
- Auto IMT+™
- Trapezoidal View

### Strain

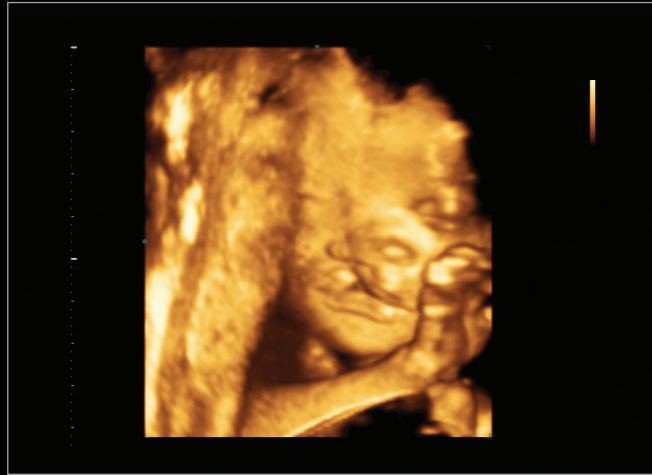
Strain function quantitatively displays cardiac motion using motion vectors and diagnoses cardiac dyssynchrony. User can detect information of radial speckle tracking easily and obtain trajectory with strain information, which enables examiner to have intuitive diagnosis.



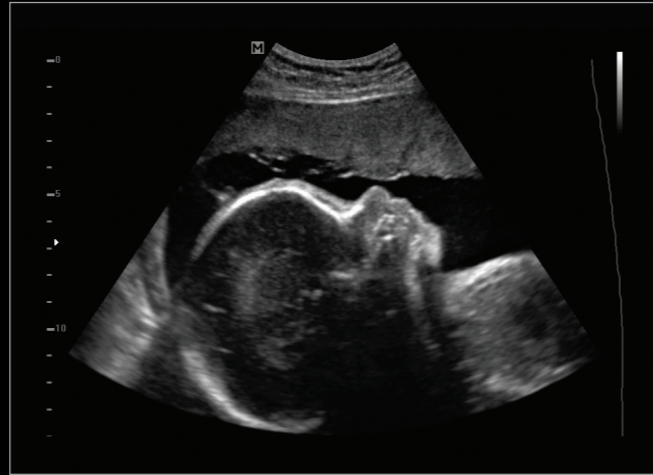
### Stress Echo

The SONOACE R7 provides a 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.

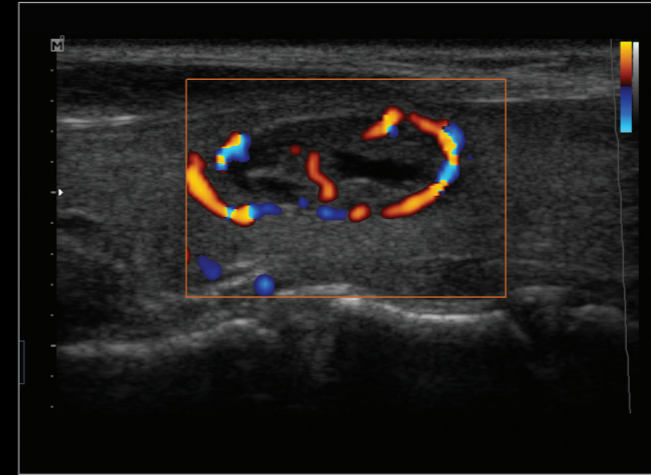
# Image gallery



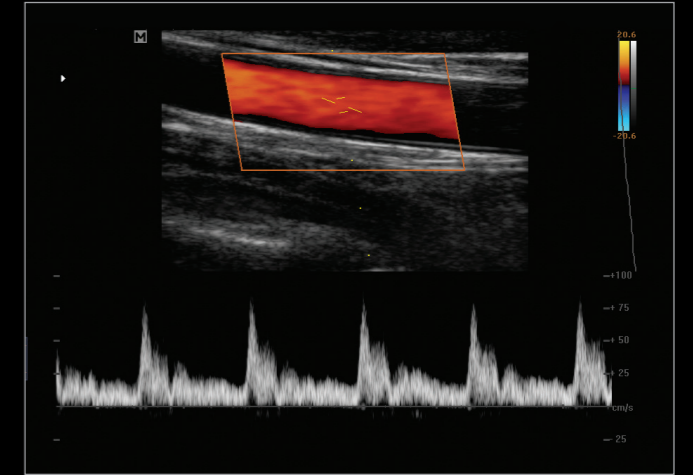
Cleft lip in 3D



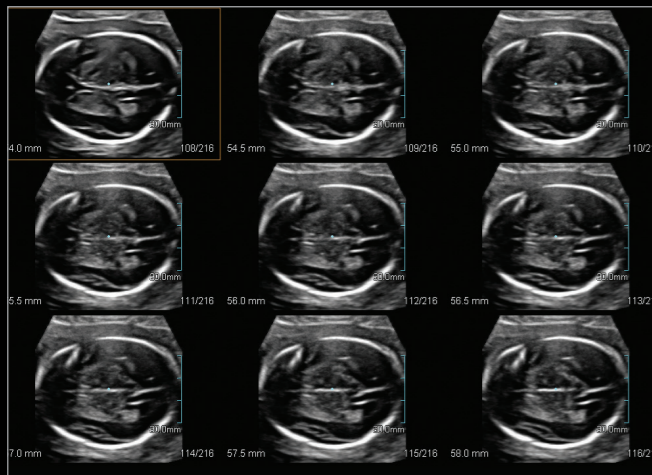
Fetal profile at 22 weeks



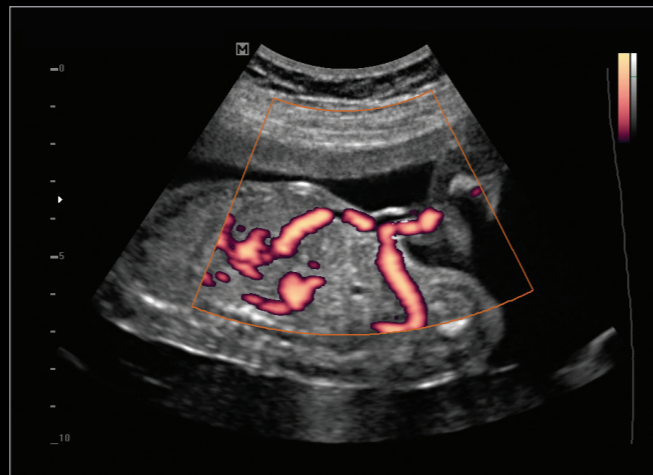
Thyroid nodule of DPDI image



Carotid artery Doppler image



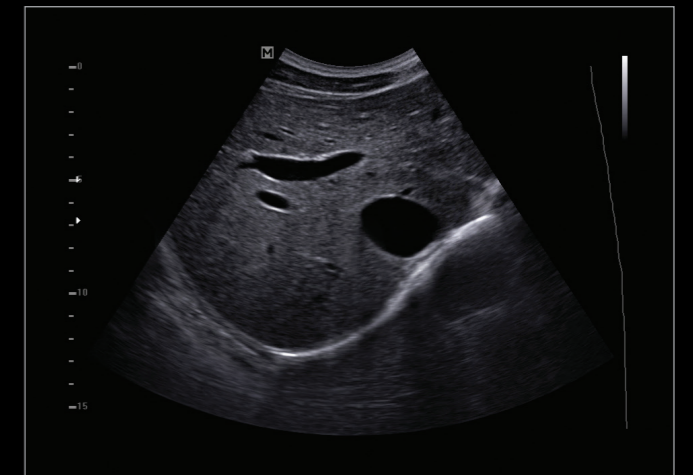
Fetal brain in Multi Slice View™



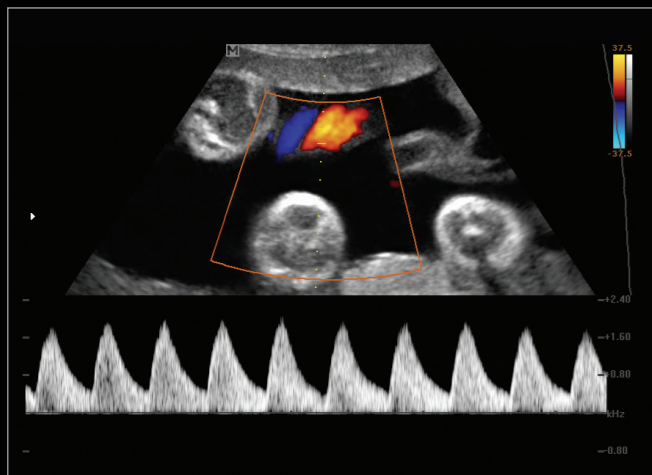
Fetal blood circulation



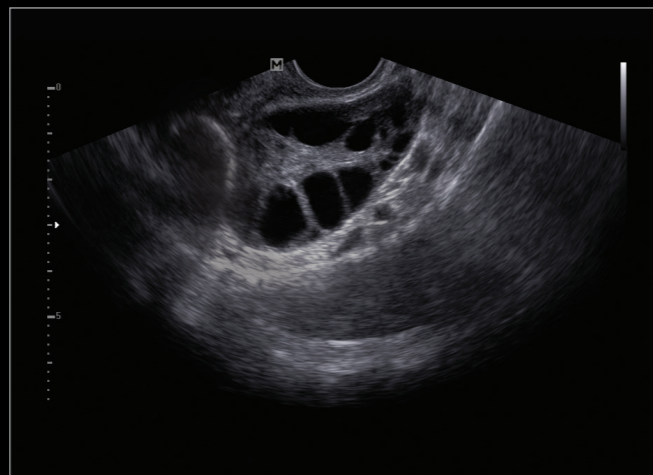
Kidney



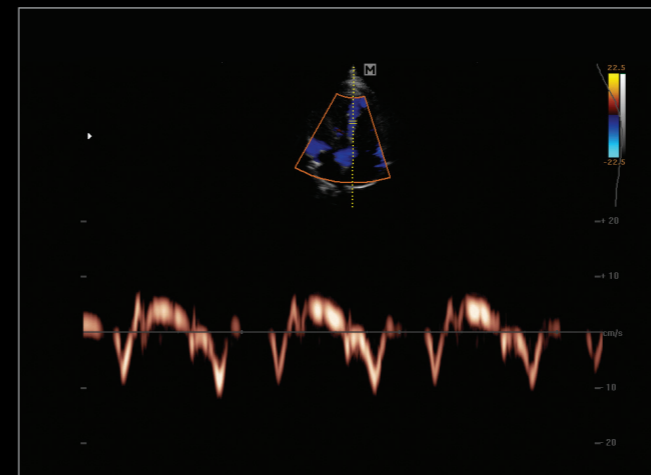
Liver



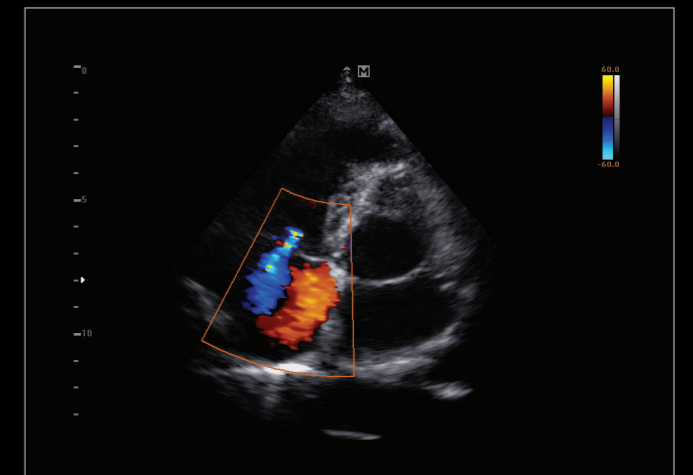
U. A. Doppler (zoomed)



Vaginal image of ovary follicles



Adult heart with Pulsed Wave TDI



Trivial Regurgitation

## Ergonomic design

The SONOACE R7 is a slim and compact system with many ergonomic features. The control panel can be set by the user to the desired height. And thanks to its light weight, it provides easy mobility. Also, the control panel offers a simple user interface with customizable menu buttons,



### 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 handles on both side of the front and the rear.



### \* 19-inch LED monitor

The SONOACE R7 offers a clearer 19-inch LED monitor view which contributes to a more accurate diagnosis.



### e-Motion Marker™ sensor

The SONOACE R7 provides Samsung's motion sensor for endocavity transducers that is detachable.

# Optimized transducer set configuration

Samsung's transducer technology ensures excellent visualization that gives you powerful diagnostic capabilities.

## Curved array transducers



### C2-8

- Application : abdomen, obstetrics, gynecology
- Field of view : 68.17°

### C2-5

- Application : abdomen, obstetrics, gynecology
- Field of view : 47.7°

### CF4-9

- Application: abdomen, vascular, pediatric
- Field of view: 92°

## Linear array transducers



### L3-8

- Application : abdomen, vascular, small parts
- Field of view : 38.71mm

### L5-12/50

- Application : vascular, small parts, musculoskeletal
- Field of view : 52mm

### LN5-12

- Application : vascular, small parts, musculoskeletal
- Field of view : 38.1mm

## Volume transducers



### 3D4-8

- Application : abdomen, obstetrics, gynecology
- Field of view : 68°

### 3DC2-6

- Application : abdomen, obstetrics, gynecology
- Field of view : 69°

### VN4-8

- Application : abdomen, obstetrics, gynecology
- Field of view : 77.24°

### 3D4-9

- Application : obstetrics, gynecology, urology
- Field of view : 145°

## Endocavity transducers



### EVN4-9

- Application : obstetrics, gynecology, urology
- Field of view : 148°

### ER4-9

- Application : obstetrics, gynecology, urology
- Field of view : 148°

## Phased array transducers



### P2-4

- Application : abdomen, cardiac, TCD
- Field of view : 90°

### PN2-4

- Application : abdomen, cardiac, TCD
- Field of view : 90°

### SP3-8

- Application: abdomen, cardiac, TCD
- Field of view: 90°

## CW transducer



### CW2.0

- Application : cardiac