



# EKO 7

Cardiovascular ultrasound system

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**MEDISON**

CT-EKO 7 CAV-TTW-SP-100502



# EKO 7

Cardiovascular ultrasound system

see it all ●●●  
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# The specialist Cardiovascular system

If you really want to focus on Cardiovascular diagnosis, meet the EKO 7, the ultrasound machine built for dedicated Cardiovascular use - from ergonomics to specific image quality requirements.

Easy-to-use features, comfortable ergonomics and the latest Cardiovascular ultrasound technologies combine with the very best in image quality to make diagnosis easier, and maximize your workplace output. You can concentrate more on the patient, less on the system.

## EKO 7



## Acquire an extraordinary view of the heart

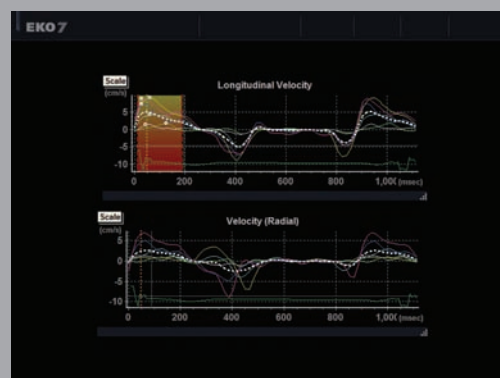
The EKO 7 features our top-of-the-range 2D imaging, sensitive color Doppler, simple stress and powerful Speckle Strain, with smart quantification tools. All this will enable you to make confident, fact-based clinical decisions, and give patients the earliest possible treatment.



### Advanced Quantification Tools

#### • 2D Strain

2D Strain imaging using speckle-tracking enables simultaneous evaluation of radial, longitudinal, and circumferential myocardial deformation. 2D strain is useful for the early detection of unseen diseases with unrivaled accuracy. 2D Strain supports many key diagnostic tools; in particular, the ability to display old and new data in chronological order enables easy and instant comparison of vital data.



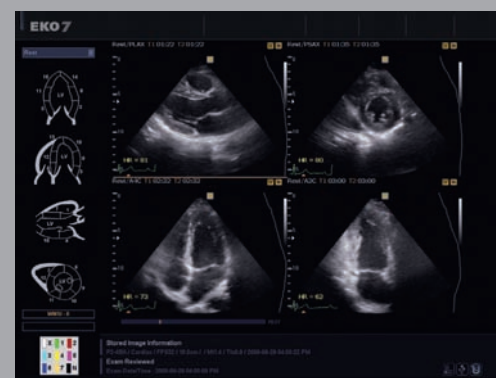
Results - Different presentations of Strain



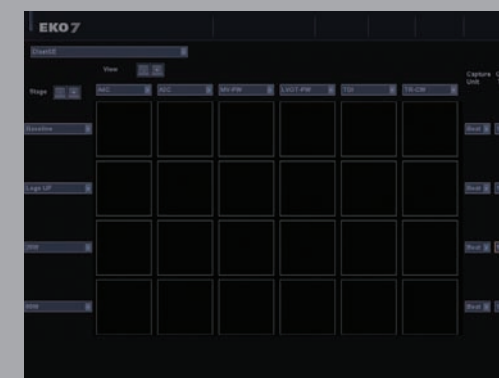
Results - Different presentations of Strain

#### • Stress Echo

EKO 7 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.



Report - Scoring of Wall Motion



Protocol - Expandability



## Intuitive Layout of the Control Panel

### 1 Patient Section

Located on the left of the system, with all necessary patient information and archiving controls

### 2 Measurement Section

Located near the track ball, resulting in less reach

A. Spectral Doppler keys

B. Color Doppler Keys

### 3 Data Management Section

On the right of the system, for storage of loop and still frame images

## 19" Flat Screen Monitor

19" LCD monitor with articulated arm, giving you the most comfortable viewing angle

## Flexible Movement Mechanism

Easy up-and-down and side-to-side movement of the control panel and monitor

## LCD Interactive soft key

Easy optimization of image acquisition parameters and post processing

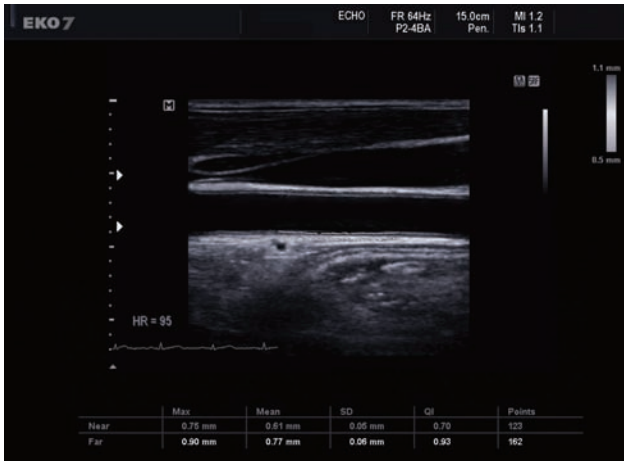
# Experience the comfort you seek

The new ergonomic design and easy-to-use features raise your clinical environment to the next level. From EKO 7 its slim and highly maneuverable lightweight design to the variable-height control panel, the entire EKO 7 system is designed for comfort and efficiency.



# Vascular images

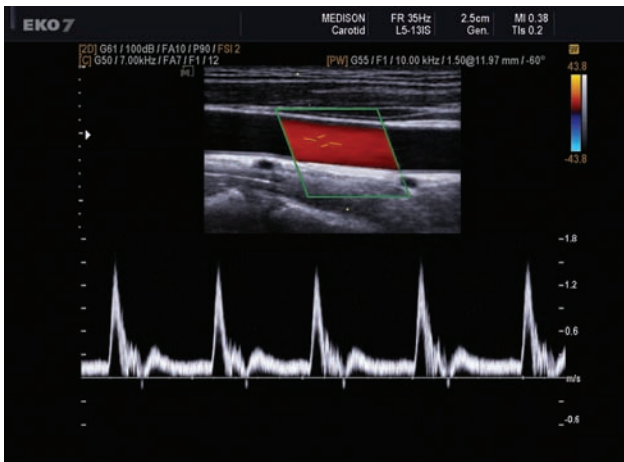
# EKO 7



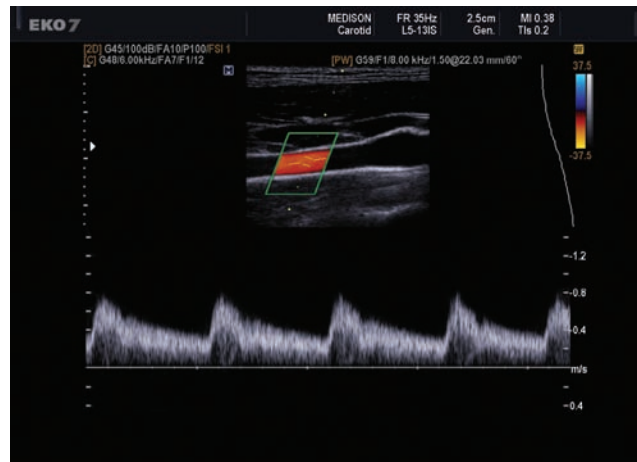
Carotid artery - Auto IMT™



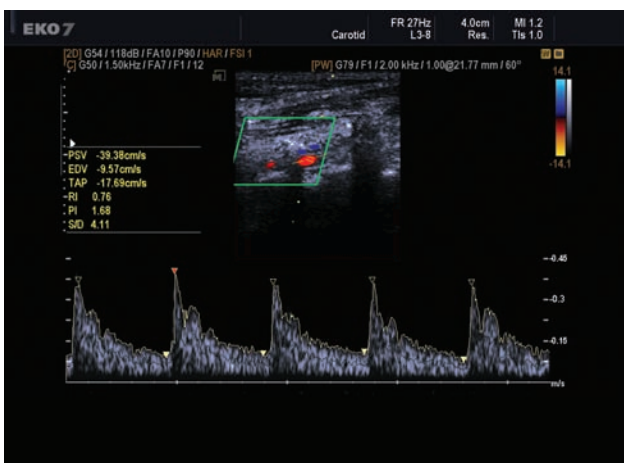
Auto IMT™ - Analysis



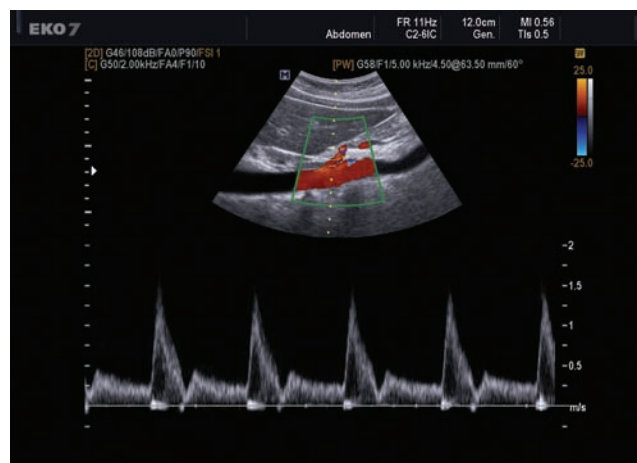
Common carotid artery



Internal carotid artery



Vertebral artery



Celiac artery

# Image gallery

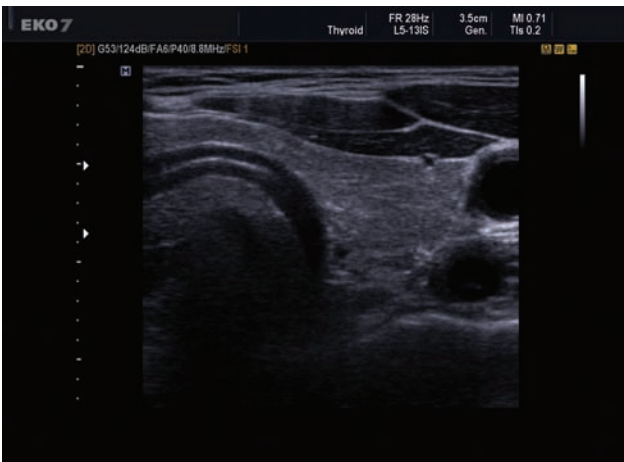
# EKO7



Pancreas



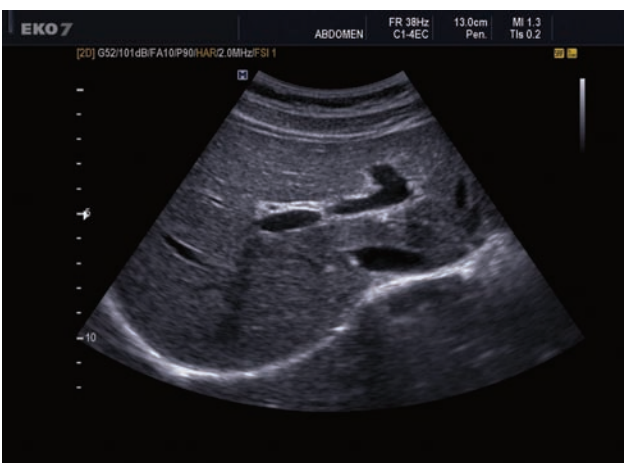
Left lobe of the Liver



Thyroid



Kidney



Liver



Gall bladder

# Probe guide

# EKO7

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



### P2-4BA

- Phased array type
- Bandwidth frequency range: 2-4Mhz
- Application: Cardiac, Abdomen, TCD, Contrast (LVO)



### P3-8CA

- Phased array type
- Bandwidth frequency range: 3-8Mhz
- Application: Cardiac, Abdomen, Contrast (LVO)



### P4-12

- Phased array type
- Bandwidth frequency range: 4-12Mhz
- Application: Cardiac, Abdomen, Contrast (LVO)



### CW2.0

- Pencil type
- Application: Adult echo, Pediatric echo



### CW4.0

- Pencil type
- Application: Adult echo, Pediatric echo



### L3-8

- Phased array type
- Bandwidth frequency range: 3-8Mhz
- Application: Vascular (Carotid, Arterial)



### L5-13IS

- Linear array type
- Bandwidth frequency range: 5-13Mhz
- Application: Vascular (Carotid, Arterial, Venous), Small Parts (Thyroid, Testicle)



### C1-4EC

- Curved Linear array type
- Bandwidth frequency range: 1-4Mhz
- Application: Aorta, Renal, Fetal Echo



### C2-6IC

- Curved Linear array type
- Bandwidth frequency range: 2-6Mhz
- Application: Aorta, Renal, Fetal Echo



### MPT3-7

- TEE type
- Bandwidth frequency range: 3-7Mhz
- Application: Adult Echo