



EMP[®]
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EMP[®]
 Emperor Medical

G70

Color Doppler
 Ultrasound System

Excellent Image Processing Technology

- 3D/4D Imaging
- ePure
- eFCI
- eSCI
- eSpeed
- eView
- THI



In today's clinical environment, you need a machine combined with performance and versatility to help you make more for the patients.

From normal diagnosis and report analysis to video and report record, the patients need more in every stage of their visits than ever before. Emperor Medical makes all the capabilities needed for growing practices to help you expand your clinical applications.

Superior Image Quality

- Superior B-mode Imaging
- **ePure** Unique Speckle Reduction Technology
- **eSpeed** One Key Optimization
- **eFCI** Frequency Compounding Image
- **eSCI** Spatial Compounding Image
- **eView** Panoramic Imaging
- Self-adaptive Color Artifact Clearance
- Virtual Trapezoidal Imaging
- Auto Trace Calculation PW
- 2D With Harmonic Imaging
- Pulsed-Wave Doppler
- Power Doppler Imaging
- Continuous Wave (Upgradable)
- Multi-Beam Former
- 3D Imaging with Multilane Views
- 4D Image



With the advanced features of G70, you could have more confidence to replace your old ultrasound systems and expand your offerings with an additional system, without limit of constrained budget to be more distinguishing in your area.

Improved Productivity

- One-button Image Optimization
- Menu Optimization
- Comprehensive Clinical Applications
- Patient Information Management System
- Efficient Workflow to Perform Better and Quicker
- Shortcut Keys for Workflow Facilities
- Easy Data Recording
- Diagnostic Report Generated Automatically
- USB Ports
- DICOM 3.0
- DVD-RW

More Comfortable & Convenient

- Adjustable High-resolution LCD Monitor
- Fully Articulated Arm
- Highly Interactive Control Layout
- The Footrest for Stress Relieving
- Integrated Handle for Easy Moving
- Four Probe Connectors for Multi-applications



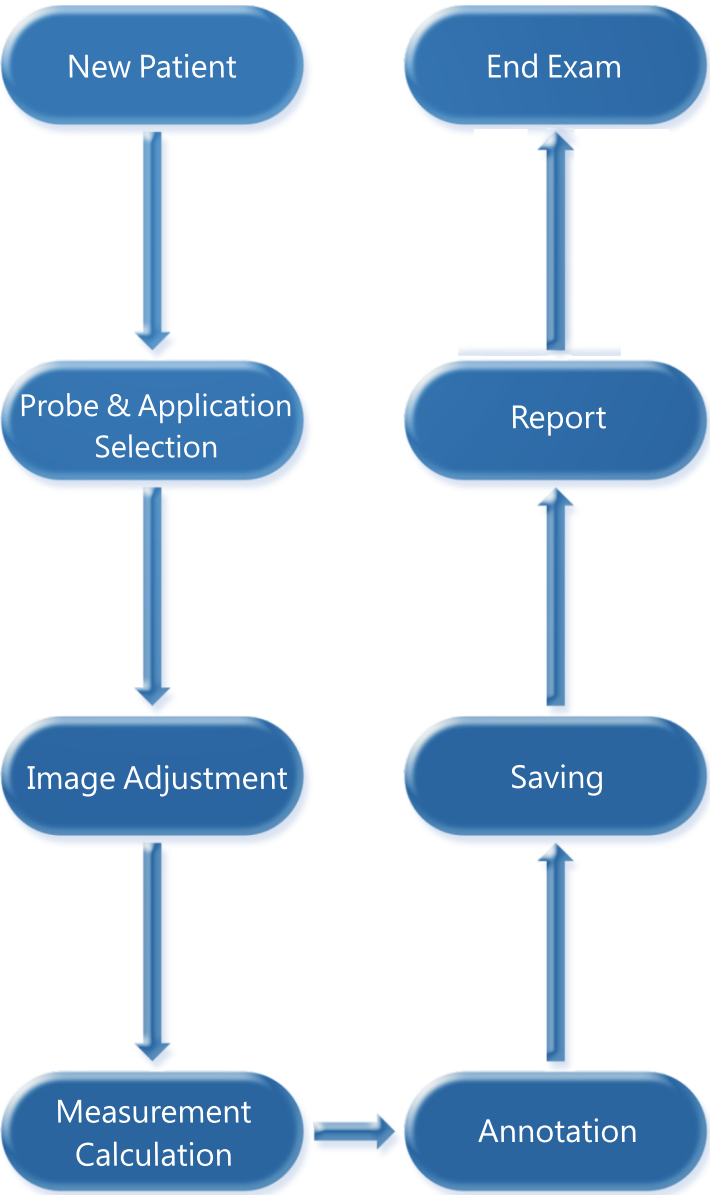
We try to make you feel comfortable in every stage of diagnosing, whether sitting or standing, you can make the relevant controls right at your fingertips to experience ease and simple, stress-free operation.

With the fully articulated arm , you are able to move the monitor to facilitate suitable working postures and reduce repetitive stress injuries.



The G70 was designed with optimal workflow to help you focus on your patients. With our intelligent and easy learning user interface, you could learn all the advanced imaging and measurement technologies in a fast way.

In addition, the automatic image optimization technology can help you reduce exam time and minimize keystrokes, freeing you from repetitive tasks.



- New Patient**
- Automatic ID Generated
 - Quick Loading for Patients' History Record
- Probe & Application Selection**
- Fast Probe Switch (without power off)
 - Automatic Optimization for Clinical Application
- Image Adjustment**
- Automatic Saving for Preset
 - Various Parameters for Image Adjustment
 - No Limitation for Local Zoom
- Measurement & Calculation**
- Automatic Menu Switch
 - Optimized Items for Measurement & Calculation
 - More Displayed Measurement Results: 16
 - Misoperation Cancel
 - Automatic Spectral Calculation
- Annotation**
- Automatic Body Mark Selection
 - Large Annotation Database
 - Moveable Annotation
- Saving**
- Fast Save 64
 - File Name Automatically Generated
 - Fast Review for Current Patients
- Report**
- Expert Database
 - Automatically Generated Graph
 - Image Adding for Report
 - Patient Information
 - Fast Search for Daily/Monthly/All Patients

Clinical Applications

Gynecology

Obstetric

- Early Pregnancy
- Middle-later Pregnancy
- Fetus Cardiology

Vascular

- Periphery Artery
- Periphery Vein
- Carotid
- Jugular

Abdomen

- Adult Abdomen
- Adult Liver
- Adult Gallbladder
- Adult Spleen
- Kid Abdomen

Urology

- Kidney Ureter
- Bladder Prostate

Cardiology

- Adult Cardiology
- Kid Cardiology

Small parts

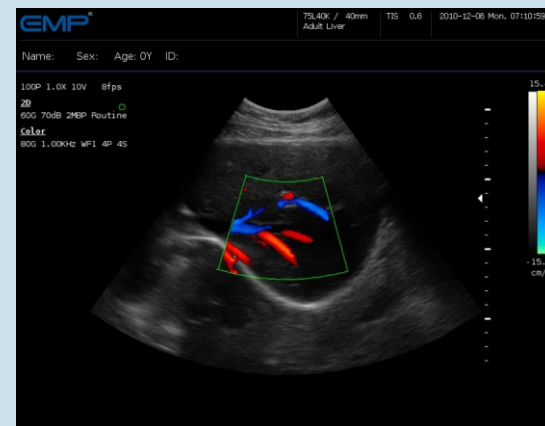
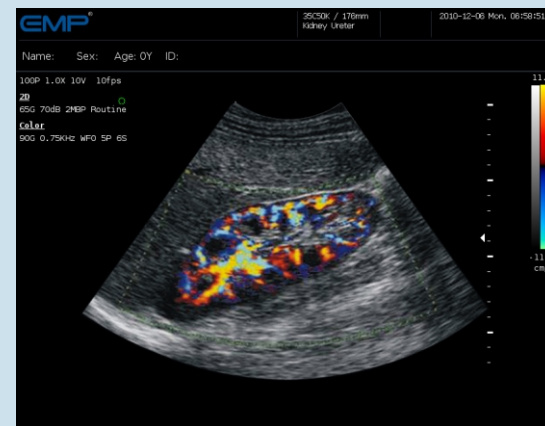
- Mammary Glands
- Thyroid
- Eye ball

Orthopedics

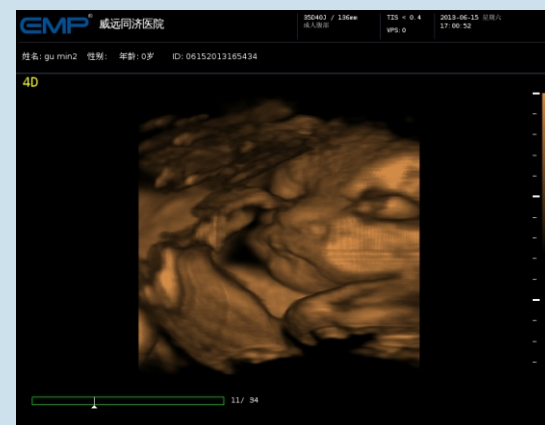
- Hip Joint
- Meniscus
- Joint Cavity
- Spine

Transcranial Doppler

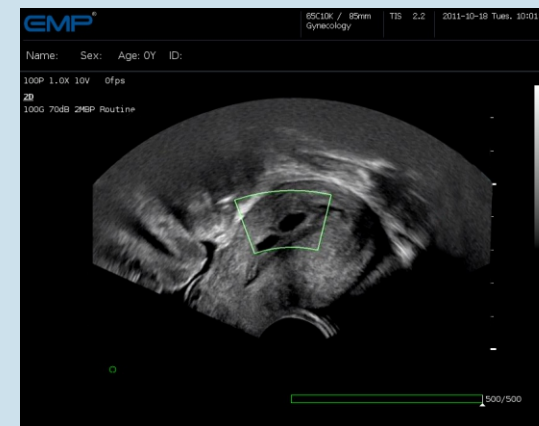
Abdomen



Obstetric



Gynecology



Vascular

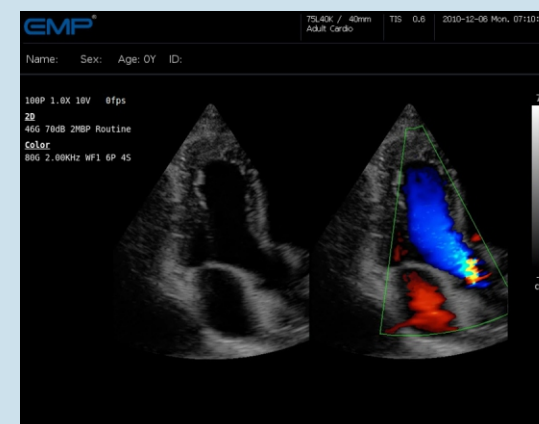
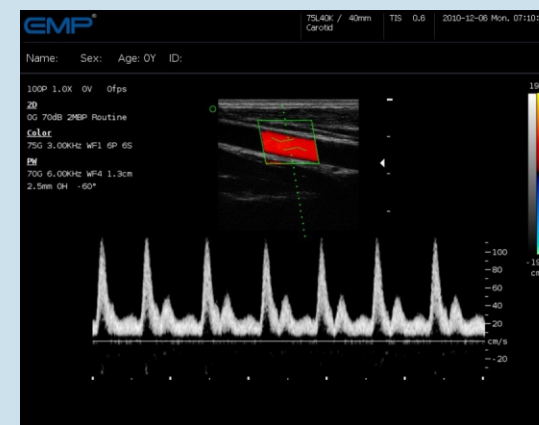


Image Modes

M-mode

B-mode

Anatomic M

CFM (Color Flow Imaging)

PW (Pulsed Wave Doppler)

Duplex for Simultaneous

- B+PW
- B+CFM
- B+PDI
- B+CFM Comparasion
- B+PDI Comparasion
- B+Direction PDI
- B+3D
- B+4D
- B+CW

Triplex Mode

- B+CFM+PW
- B+PDI+PW

Quad Mode

B+B+B+B

B/CFM+B/CFM+B/CFM+B/CFM

B/PDI+B/PDI+B/PDI+B/PDI