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**EMP<sup>®</sup>**  
 Emperor Medical

**G60**  
 Color Doppler  
 Ultrasound System





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 G60, 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.



A. Adjustable high-resolution monitor and fully articulated arm afford you exceptional scanning experience with less neck strain and glide the screen into the best position for you.

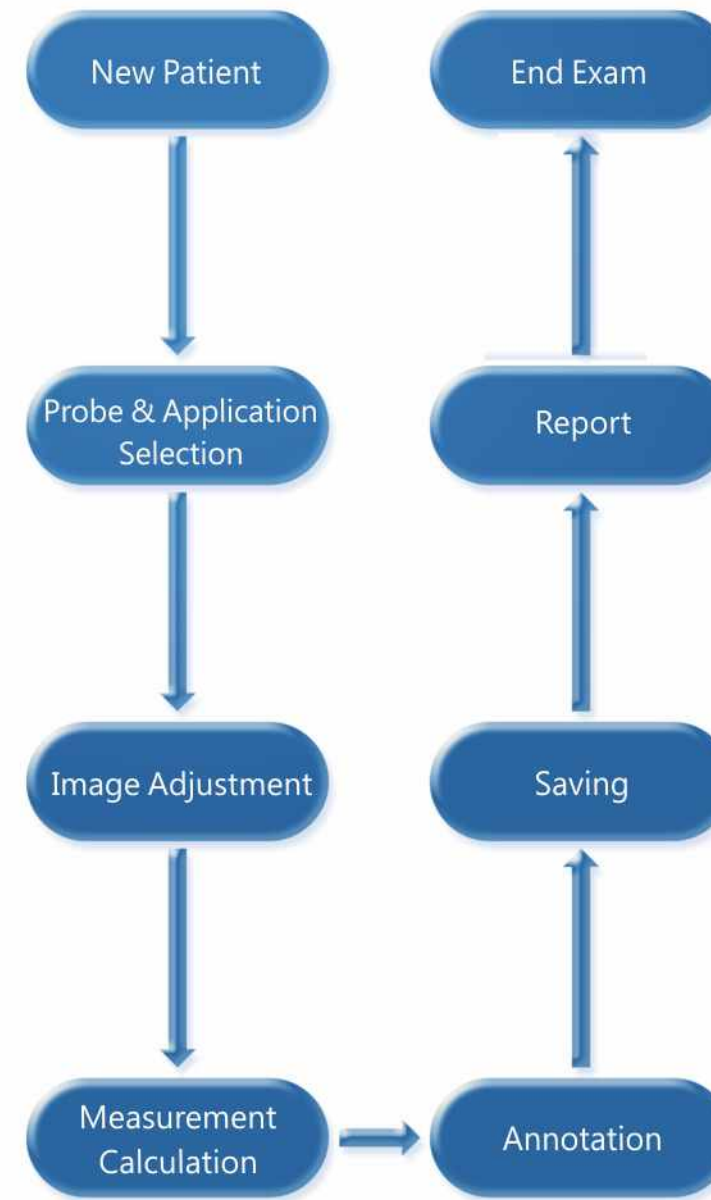
B. Multi-function shortcut keys for clustering 95 percent of your most-used items in the interface, so you can focus on the patient instead of searching for the key.

C. With four probe connectors, G60 can provide you multiple departments utility and reduce the time of switching between different departments.

D. The console keys are right where you want them to be. We put the most frequently used controls at your fingertips and easy for your eyes to help reduce reaching and hyperextension for easy learning and memory.

The G60 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

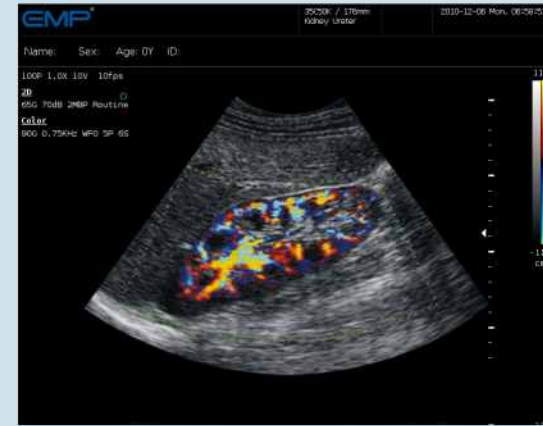
- Mammary Glands
- Thyroid
- Eye ball

### Orthopedics

- Hip Joint
- Meniscus
- Joint Cavity
- Spine

### Transcranial Doppler

## Abdomen



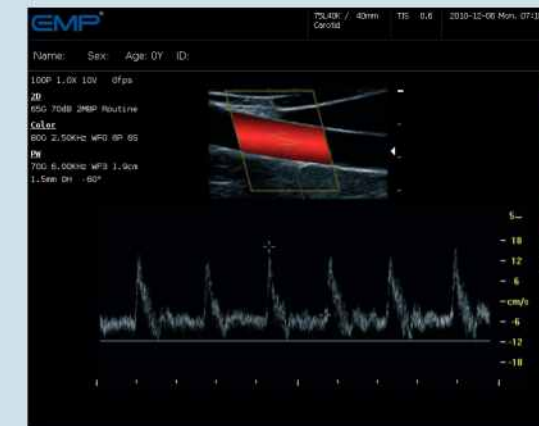
## Obstetric



## 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

Panoramic Imaging

Trapezoidal Imaging

Pulse Inversion Harmonic Imaging