SonoStar™

New Tech, New Life

Dedicated to the popularization of ultrasonic technology

SS-1800 Color Doppler System

SS-1800 color doppler ultrasound system applies advanced digital technology, advanced broadband probe technology, full-featured application software system and a variety of leading-edge image processing technology with delicate image quality and committed system performance to meet clinical requirements.

- Full digital imaging technology
- 15 inch LCD monitor
- B, BB, M, CD, PWD, CWD, DirPwr, Pwr
- THI (Tissue Harmonic Imaging) technology
- One-key Optimization
- Computer platforms, Abundant functions
- Powerful information management
- Complete application software packages
- Large capacity hard disk
- Up to 3 active probe connectors
- 3D function(optional)
- Compatible with laser/inkjet printers
- Fashion and ergonomic design
- USB2.0, RS-232., DICOM3.0, Video Port

Main Specification:

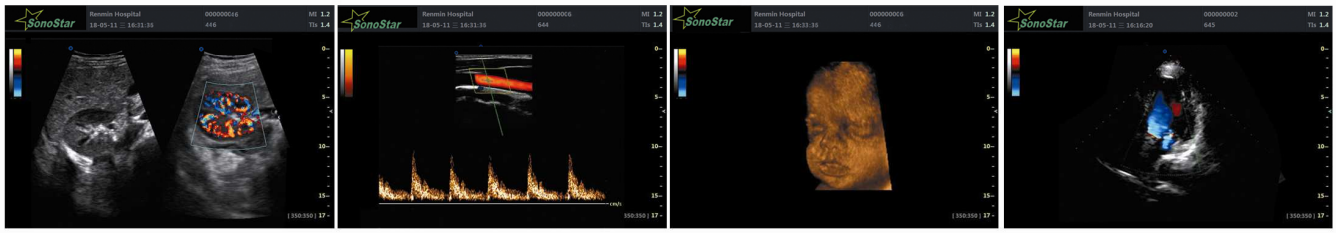
1. Imaging Modes:
   B, B|B, 4B, B|M, M
   Color Doppler (CFM)
   Power Doppler (PDI)
   Directional Power Doppler (DPDI)
   Pulsed Wave Doppler (PWD)
   B+PWD (Duplex)
   B+CFM/PDI/DPDI+PWD (Triplex)
   High Pulse Repetition Frequency (HPRF)
   Tissue Harmonic Imaging (THI)
2. Scanning Method: electronic linear, electronic convex, electronic microconvex, scanning depth: 2-24cm
3. Color Doppler:
   PRF variable: 0.5-9 kHz
   wall filter settings: 3 steps (5%, %10%, 15% PRF)
   angle steering for linear transducers: ±10°
   real-time spatial filter: 4 values
   CFM palette>10 maps
   PDI palette>10 maps
   B/Color priority control
   color threshold control
   CFM baseline control
   Doppler frequency selection
   color frame averaging
   Transparent Color Mapping (TCM)
4. Pulsed Wave Doppler:
   PRF variable: 1-10 kHz
   wall filter settings: 16 steps (2.5%-20% PRF)
   angle steering for linear transducers: ±10°
   real-time trace line with automatic calculation of spectrum parameters
   stereo sound: volume control
   PWD palette>10 maps
   Doppler frequency selection
5. Processing:
   High Line Density scan mode for better resolution
   8 sliders TGC Control
   dynamic range>120 dB
   overall gain control
   M - mode sweep speed control
   acoustic power control
   variable frame averaging
   brightness, contrast
   advanced gamma control
   scan direction, rotation, up-down controls
   negative / positive control
   echo enhancement control
   noise rejection function
   speckle reduction
6. Image and video: AVI, JPG, BMP, PNG, TIF, DCM (DICOM)
7. General Measurements and Calculations:
   Distance, Length, Area, Circumference, Volume, Angle, Stenosis %, A/B Ratio, Velocity, Pressure Gradient (PG), Acceleration, Resistivity Index (RI), Heart Rate, Velocity Time Integral (VTI), etc.
8. Measurements and Calculations Software Packages: Obstetrics, Gynecology, Abdominal, Urology, Endocrinology, Vascular, Cardiology, etc.
9. Expansion interfaces:
   VGA, TV Interface
   USB2.0 Interface
   RJ-45 Network interface
   Support DeskJet printer, LaserJet printer, video printer

Standard Configuration:

Convex and linear or Transvaginal probe

Optional:

- Transvaginal/Linear/Micro-convex/Phased Array probe
- 3D ultrasound software package
- CD-R/W Room
- Video/Laser printer



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