Consona N8 series

Diagnostic Ultrasound System

Datasheet

Release 03(03.01.00)

Concrete to Resonate

1 System Overview

Dedicatedly design for Primary Care, Consona Series feature progressive and concrete solution. No matter in hospital, clinic or imaging center, the user of Consona will experience the powerful performance, smart application and the ergonomic design.

1.1 Advantages of ZST+ platform

- Advanced Acoustic Acquisition
- Dynamic Pixel Focusing (DPF)
- Total Recall Imaging (TRI)
- Powerful Processing Architecture
- Enhanced Channel Data Processing
- ZONE Sonography® Technology
- Up to 5,000,000 channels
- System Frequency Range: 1 - 23 MHz
- Sound Speed Compensation (SSC)

1.2 Application

- Abdomen
- Obstetrics
- Gynecology
- Cardiology
- Small parts
- Urology
- Vascular
- Pediatrics
- Nerve
- Emergency & Critical
- Pelvic Floor

1.3 Transducer types

- Single crystal and ComboWave (compound crystal with 3T on all transducers)
- Curved array transducer
- Linear array transducer
- Phased array transducer
- 4D Volume transducer
- Pencil transducer

1.4 Advanced Imaging technics

- THI (Tissue Harmonic Imaging) and PSH (Phase Shift Harmonic Imaging)
- iBeam (Spatial Compound Imaging)
- iClear (Speckle Suppression Imaging)
- iTouch^{+} (Auto Image Optimization)
- Echo Boost
- Zoom/iZoom (Full Screen Zoom)
- FCI (Frequency Compound Imaging)
- B steer
- HD Scope
- Smart Track
- HR Flow (High Resolution Flow)
- Glazing Flow

1.5 Imaging modes

- B-Mode
- B-Mode/M-Mode
- M-Mode/Color M-mode
- Color Doppler Imaging
- Power Doppler Imaging/Directional PDI
- Pulsed Wave Doppler (PW)
- Continuous Wave Doppler (CW)
- Free Xros M (Anatomical M-mode)
- Free Xros CM (Curved Anatomical M-mode)

1.6 Function modes

- CW
- 4D
- iScape View
- Free Xros M
- Free Xros CM
- Tissue Doppler Imaging
- TDI QA
- Contrast imaging
- Contrast Imaging QA
- VLMI Contrast
- Volume CEUS
- Strain Elastography
- STE
- STQ
- Stress Echo
- Tissue Tracking QA
- Smart 3D (free-hand)
- iPage^{+}
- SCV^{+}
- iLive
- STIC
- Color 3D
- Niche
- Smart Volume
- Smart V Trace
- Smart Planes CNS
- Smart Face
- Smart Scene 3D
- Glazing Flow
- iNeedle
- Abdomen/General Package
- Obstetrics Package

- Gynecology Package
- Cardiology Package
- Small Parts Package
- Urology Package
- Vascular Package
- Pediatrics Package
- Nerve Package
- Emergency& Critical Package
- Smart Pelvic
- Smart OB
- Smart NT
- Smart Fetal HR
- Smart FLC
- IVF
- IMT
- RIMT
- AutoEF
- R-VQS
- Smart Thyroid
- Smart Breast
- Smart Hip
- Smart HRI
- Smart Bladder
- Smart Trace
- CPP
- Smart B-line
- V-Mapping
- DICOM Basic
- DICOM Worklist
- DICOM MPPS
- DICOM Query/Retrieve
- DICOM OB/GYN SR
- DICOM Vascular SR
- DICOM Cardiac SR
- DICOM Breast SR
- DICOM Abdomen SR
- DICOM Small Parts SR
- iWorks
- DVR Module
- iVocal
- ClamAV
- Smart Calc
- Smart Vue

1.7 Other features

- Multilingual control panel overlay
- GPU
- Ultrasound gel
- Saddle basket kit
- Probe dust-proof cover
- QWERTY keyboard
- Keyboard protective film
- Built-in batteries
- Multi-function hardware module
- Sound Touch Elastography drive Module
- ECG function
- Built-in wireless adapter
- Ultrasound gel warmer
- Microphone material kit
- Network accessory kit
- External DVD Recorder
- Printer fixed bracket

1.8 Language support

- Software: English, Chinese, German, Spanish, French, Italian, Portuguese, Russian, Czech, Polish, Turkish, Finnish, Danish, Icelandic, Norwegian, Swedish, Hungarian, Serbian, Dutch, Lithuanian, Greek, Thai
- Keyboard input: English, Chinese, German, Spanish, French, Italian, Portuguese, Russian, Czech, Polish, Icelandic, Norwegian, Swedish, Finnish, Turkish, Danish, Hungarian, Serbian
- User manual: English, Chinese, German, Spanish, French, Italian, Portuguese, Russian, Polish, Turkish, Serbian, Dutch, Greek
- Small keyboard: English, Russian

2 Physical Specification

2.1 Dimension and weight

- The control panel and the monitor is in the lowest position.
  Configured with dual-wing floating support arm and 23.8-inch monitor
  - Depth: 840±40mm
  - Width: 513±10mm
  - Height: 988±20mm
- The control panel and the monitor is in the highest position.
  Configured with dual-wing floating support arm and 21.5-inch monitor
  - Depth: 740±40mm
  - Width: 513±10mm

- Height: 1660±20mm
- Weight: ≤65kg (net weight, standard configuration)

2.2 Audio speakers

Stereo audio speakers

2.3 Support arm

Dual-wing floating support arm

2.4 Wheels

- Diameter: 125mm
- 4 castors for total lock and break

2.5 Transducer port and holder

- Transducer ports with dust prevention: 5 active ports and 1 pencil probe port
- Support hot plug
- Transducer holder: 7, 1 intracavitary transducer holder and 6 Transducer& ultrasound gel holders

2.6 Electrical power

- Voltage: 100-240VAC
- Frequency: 50/60 Hz
- Power consumption: 550 VA

2.7 Operating Environment

- Ambient temperature: 0-40°C
- Relative humidity: 20%-85% (no condensation)
- Atmospheric pressure: 700hPa-1060hPa

2.8 Storage & Transportation Environment

- Ambient temperature: -20-55 °C
- Relative humidity: 20%-95% (no condensation)
- Atmospheric pressure: 700hPa-1060hPa

2.9 System Noise

≤26dB @25°C

3 User Interface

3.1 Control panel

- Brightness adjustable for the backlight of the control panel
- Backlit QWERTY keyboard
- 3 keys for user-defined functions
- Rotate angle range: 180 degrees
- Down/up: 300±20 mm
- Front/Rear: 110 mm

3.2 Monitor

- 21.5-inch/ 23.8-inch bezel-less LED monitor with high resolution with dual-wing floating support arm and locking mechanism
- Resolution: 1920x1080
- Viewing angle: 178 degrees
- Digital on screen display of brightness and contrast controls
- Automatic adjustment of monitor light with the changing environment
- Automatic LED brightness
- Tilt/Rotate independent adjustment
- Tilt angle range: 20±5 degrees (rear), 85±5degrees (front)
- Rotate angle range: 90±5 degrees (left), 180±5 degrees (right)
- Down/up: 150±20mm
- Front/Rear: 350±20mm

3.3 Touch screen

- 15.6-inch high sensitivity anti-glare color touch screen
- Resolution: 1920*1080
- Digital brightness and contrast adjustment through preset
- Angle adjustable range: 50 degrees
- Viewing angle: 178 degrees
- Support touch screen gestures
- Support either hand writing or with gloves on
- Editable buttons: long press to add, delete or move buttons
- Clinical scenario-based 3D/4D user interface
- Digital TGC: 8 sliders
- Short-cut switch of latest used probe & exams

3.4 Touch gestures

- Swipe down/up: display/remove projected image on touch screen
- Swipe horizontally: page up/down or review images/cine loops one by one
- Swipe from left edge to right: display hidden menu on projected image.
- Image parameter adjustment.

- Measurement on projected image on touch screen
- Zoom in/out the projected image on touch screen
- Rotate or erase on projected 3D/4D image on touch screen
- 8 user defined gestures using two fingers for more functions, such as freeze, print, activate specific imaging modes, measurements, and some other special functions.

3.5 System boot-up

- Boot-up from shut-down: <60 sec
- Boot-up from stand-by: <15 sec
- Shut-down: <30 sec

3.6 Comments

- Supports text input and arrow
- Voice annotation: record voice as annotation for images and cine
- Support freehand marking on touch screen
- Adjustable text size and arrow size
- Supports home position
- Covers various application
- User customizable

3.7 Bodymark

- More than 232 bodymarks for versatile application
- User customizable

4 Imaging Parameters

4.1 B-mode

- Frame rate (max): 827f/s
- Dynamic range:30-300dB
- TGC: 8 sliders
- Depth: 30 Levels, 1.5-40cm
- Gain: 0-100, 1/step
- FOV: On/Off
- FOV Size
- FOV Position: random adjustable
- Image Quality:
  - SP5-1N, L13-3N: three levels of fundamental frequency, five levels of harmonic frequency
  - D7-2, SD8-1: four levels of fundamental frequency, five levels of harmonic frequency
  - others: three levels of fundamental frequency, three levels of harmonic frequency
- Persistence: 0-7, 1/step
- Dyn Ra.:
  - DE11-3, SC5-1N, C5-1, C11-3: 30-160, 5/step; 160-180, 10/step; 180-300, 40/step
  - Others: 30-160, 5/step; 160-200, 10/step
- Gray Map: 1-8, 1/step
- Tint Map: Off, 1-8, 1/step
- iClear: Off, 1-7, 1/step
- iBeam: Off, 1-3, 1/step
- Line Density: L, M, H, UH
- L/R: On/Off
- U/D: On/Off
- Rotation: 0, 90, 180, 270
- TSI: General, Muscle, Fat, Fluid
- iTouch^{+}: On/Off
- LGC: 8 point
- Dual Live: On/Off
- Auto Merge: On/Off
- H Scale: On/Off
- Echo Boost: On/Off
- Smooth: 0-6, 1/step
- ExtImage: On/Off
- ZoneVue (Phased array transducer cannot be adjusted)
- Pan Zoom:
  - 0.8-1.2, 0.1/step
  - 1.2-2, 0.2/step
  - 2-4, 0.25/step
- HD Scope: off, 1-3, 1/step
- V1: 1: On/Off
- Dehaze: 0~30
- EdgeEnhance: 0~6, 1/step
- HR Flow: On/Off
- Single/Quad: On/Off
- B Steer: 5 Levels
- Trapezoid: On/Off
- Ref Lines: On/Off
- Free View: -45-45, 5/step
- Gray Scale: 0-256

4.2 THI and PSH

- Patent PSH technology, obtains purer harmonic, better contrast resolution, higher SNR, exceptional high frequency harmonic
- iClear available
- Image quality: HPen/HGen/HRes or HPen/ HPen-FFR/HGen/HRes/HRes-FFR (depends on transducers)
- Echo Boost: On/Off

4.3 M-mode

- Gain: 0-100, 1/step
- Speed: 25mm/s, 35mm/s, 50mm/s, 65mm/s, 100mm/s, 200mm/s
- Dyn Ra.:
  - Others:30-180, 5/step
  - DE11-3, SC5-1N, C5-1, C11-3: 30-160, 5/step; 160-180, 10/step; 180-260, 40/step
- Gray Map: 1-8, 1/step
- Tint Map: off, 1-8, 1/step
- Display Format: V2: 3, V3: 2, H2: 3, V3: 1, FULL
- M Soften: 0-4, 1/step
- EdgeEnhance: 0-3, 1/step
- Time Mark: On/Off
- ZoneVue (Phased array transducer cannot be adjusted)

4.4 Color Doppler Imaging

- Velocity: max. 97.8cm/s; min. 1.0cm/s
- Max frame rate: 263f/s
- PRF: 0.2-9.9kHz
- Gain: 0-100, 2/step
- Baseline: -8-8, 1/step
- scale
- Steer
- Quick Steer
- ROI: random adjustable
- Img Quality:
  - SC5-1N (Non-fetal heart), C7-2 (Non-fetal heart), L13-3N, SP5-1N (Cardiac), V11-3H, V11-3, D7-2, V11-3B, P8-2Ts: 5 levels
  - HRFlow: 1 level
  - Other: 3 levels
- Persistence: 0-6, 1/step
- Smooth: 0-6, /step
- Color Map: V0-V10, VV0-VV9
- Flow State: L, M, H
- Priority: 0%-100%, 1%/step
- WF: 0-7, 7-1282 Hz
- Line Density: L, M, H, UH
- Dual Live: On/Off
- Invert: On/Off
- Auto Invert: On/Off
- B/C Align: On/Off
- velocity tag: On/Off
- Packet Size: 0-3, 1/step
- iTouch^{+}: On/Off
- Smart Track: On/Off
- Glazing Flow: On/Off, L, M, H
- Quad: On/Off
- HR Flow: On/Off
- ExtImage: On/Off

4.5 Power Doppler Imaging

- Velocity: max. 97.8cm/s; min. 1.0cm/s
- PRF: 0.2-9.9kHz
- Gain: 0-100, 2/step
- scale
- Steer
- Quick Steer
- ROI: random adjustable
- Img Quality:
  - SC5-1N (Non-fetal heart), C5-1 (Non-fetal heart), L13-3N, SP5-1N (Cardiac), V11-3H, V11-3, D7-2, V11-3B, P8-2Ts: 5 levels
  - HRFlow: 1 level
  - Other: 3 levels
- Persistence: 0-6, 1/step
- Smooth: 0-6, 1/step
- Color Map: P0-P3, dP0-dP3
- Flow State: L, M, H
- Priority: 0%-100%, 1%/step
- WF: 8 Levels
- Line Density: L, M, H, UH
- Dual Live: On/Off
- Invert: On/Off
- B/C Align: On/Off
- Packet Size: 0-3, 1/step
- iTouch^{+}: On/Off
- Smart Track: On/Off
- Glazing Flow: On/Off, L, M, H
- Quad: On/Off

- HR Flow: On/Off
- Dyn Ra.: 10-70, 5/step
- ExtImage: On/Off

4.6 PW Mode

- PRF: 0.7-18.9kHz
- Velocity: max. 729.2cm/s; min. 13.1cm/s
- Gain: 0-100, 2/step
- Baseline: -4-4, 1/step
- scale
- Steer
- Quick Steer
- Volume: 0%-100%, 2%/step
- Angle: -89-89, 1/step
- Quick Angle: -60, 0, 60
- SVD: random adjustable
- Img Quality:
  - SC5-1N (Non-fetal heart), C5-1 (Non-fetal heart), L13-3N, SP5-1N (Cardiac), V11-3H, V11-3, D7-2, V11-3B, P8-2Ts: 5 levels
  - other: 3 levels
- Speed: 25mm/s, 35mm/s, 50mm/s, 65mm/s, 100mm/s, 200mm/s
- SV: 0.5-30mm
- Dyn Ra.: 24-72, 2/step
- Gray map: 1-10, 1/step
- Tint Map: Off, 1-8, 1/step
- Display format: V2: 3, V3: 2, H2: 3, V3: 1, FULL
- Invert: On/Off
- Auto Invert: On/Off
- WF: 0-9, 14-1000Hz
- Duplex/Triplex: On/Off
- HPRF: On/Off
- iTouch^{+}: On/Off
- T/F Res: 0-6, 1/step
- Auto Calculate: On/Off
- Auto Calc Cycle: 1-5, 1/step
- Trace Sensitivity: 0-5, 1/step
- Auto Calc Param
- Trace Smooth: off, 1-4, 1/step
- Trace Area: Above, Below, All
- Auto Calc Loop

4.7 CW Mode

- PRF: 0.2-100.0kHz
- Velocity: max. 3850.0cm/s; min. 9.6cm/s
- Gain: 0-100, 2/step
- Baseline: -4-4, 1/step
- Scale
- Volume: 0%-100%, 2%/step
- Angle: -89-89, 1/step
- Quick Angle: -60, 0, 60
- Speed: 25mm/s, 35mm/s, 50mm/s, 65mm/s, 100mm/s, 200mm/s
- Dyn Ra.: 24-72, 2/step
- Gray map: 1-10, 1/step
- Tint Map: Off, 1-8, 1/step
- Display Format: V2: 3, V3: 2, H2: 3, V3: 1, FULL
- Invert: On/Off
- WF: 0-9, 5-1200Hz
- T/F Res: 0-6, 1/step
- SVD: random adjustable

4.8 Free Xros M/Free Xros CM

- Speed: 25mm/s, 35mm/s, 50mm/s, 65mm/s, 100mm/s, 200mm/s
- Gray Map: 1-8, 1/step
- Tint Map: off, 1-8, 1/step
- Display format: V2: 3, V3: 2, H2: 3, V3: 1
- Angle
- Delete (Free Xros CM)
- Undo (Free Xros CM)
- Edit (Free Xros CM)
- Display: On/Off (Free Xros M)
- show A: On/Off (Free Xros M)
- show B: On/Off (Free Xros M)
- show C: On/Off (Free Xros M)
- ZoneVue (Phased array transducer cannot be adjusted)

4.9 Tissue Velocity/Energy Imaging (included in TDI option)

- Available on phased array
- Max frame rate: 1510f/s
- PRF: 0.4-13.9kHz
- Velocity: max. 99.0cm/s; min. 4.9cm/s
- Gain: 0-100, 2/step
- Baseline: -8-8, 1/step
- Scale
- ROI: random adjustable
- Img Quality: 2 Levels
- Persistence: 0-6, 1/step
- Smooth: 0-6, /step
- Dyn Ra.: 10-70, 5/step
- Color Map:

  - TVI: TVV1-TVV10
  - TEI: P0-P3, dP0-dP3
- Tissue State: L, M, H
- Priority: 0%-100%, 1%/step
- WF: 8 Levels
- Line Density: L, M, H, UH
- Dual Live: On/Off
- Invert: On/Off
- B/C Align: On/Off
- velocity tag: On/Off
- Packet Size: 0-3, 1/step

4.10 Tissue Velocity Doppler (included in TDI option)

- PRF: 0.7-18.9kHz
- Velocity: max. 583.3cm/s; min. 8.5cm/s
- Gain: 0-100, 2/step
- Baseline: -4-4, 1/step
- scale
- Volume: 0%-100%, 2%/step
- Angle: -89-89, 1/step
- Quick Angle: -60, 0, 60
- SVD: random adjustable
- Img Quality: 2 levels
- Speed: 25mm/s, 35mm/s, 50mm/s, 65mm/s, 100mm/s, 200mm/s
- Dyn Ra.: 24-72, 2/step
- Gray map: 1-10, 1/step
- Tint Map: Off, 1-8, 1/step
- Display format: V2: 3, V3: 2, H2: 3, V3: 1, FULL
- Invert: On/Off
- WF: 10 Levels
- Duplex/Triplex: On/Off
- iTouch^{+}: On/Off
- T/F Res: 0-6, 1/step

4.11 Tissue Velocity Motion (included in TDI option)

- Display formats: V2:3, V3:2, V 3:1, H2:3, Full (V: vertical, H: horizontal)
- Gain: 0-100
- M sweep speed: 6 steps
- Smooth: 0-6, 1/ step
- Color Map: 10 types
- Image quality: 2 levels
- Persistence: 0-6, 1/ step
- Packet size: 0-3, 1/ step
- Priority: 0%-100%, 1%/step
- Velocity tag: On/Off
- Tissue state: L/M/H

4.12 TDI QA

- Dedicated quantification tool for TDI velocity, strain, strain rate analysis
- Ellipse ROI, Standard ROI
- Up to 8 of ROI
- Delete all
- Delete current
- ROI tracking: tracking ROI along with cardiac movement
- Smooth: 1-7, 1/step
- X scale: 1-5,1/step
- Std.Height: 1.5-50 mm
- Std.Width: 1.5-50 mm
- Std.Angle: -89-90 degrees
- Export: export current data as CSV format file

4.13 Smart 3D

- Acquisition preparation
  - 3D/4D Scenario setting: Routine
  - Acquiring Methods: Rocked, Linear
  - Reset VOI
  - Flip VOI
  - Angle: 10°-80°
  - Distance: 10-200mm
  - Acquiring Time: 1s-20s
- VR
  - 3D/4D Scenario: Routine-Surf., iLive Gen., iLive Transp., Skeleton
  - Reset: All, Ori, Curve
  - VOI: On, Off, Fixed
  - Active Quadrant: A, B, C, VR
  - VR orientation: 0°, 90°, 180°, 270°
  - Filp
  - Sync
  - 3D Ref
  - Orientation Assist
  - Threshold: 0%-100%
  - Opacity: 0%-100%
  - Brightness^{VR}: 0%-100%
  - Contrast^{VR}: 0%-100%
  - Smooth: 0-10
  - Depth VR: Off, Black, Cyan, Blue, Rose
  - Hyaline^{iLive}: 0%-100%
  - Tint^{VR}: Off, 1-8

- Degree: 10°-80° (±20°)
- Distance: 10-200mm (±20mm)
- Zoom: x0.2-x4.0

• MPR
- Active Quadran: A, B, C
- Gray Map: 1-8
- Brightness^{MPR}: 0%-100%
- Contrast^{MPR}: 0%-100%
- iClear: Off, 1-7
- Zoom: x0.2-x4.0
- Tint^{MPR}: Off, 1-8
- Thickness: 0mm-30mm

• Adv.
- Direction: Up/Down, Left/Right, Font/Back, Down/Up, Right/Left, Back/Front
- VR Refine: Off, 1-7
- Surf.ENH: 0-7
- MgaiClean: Off, Low, Mid, Hight, Max
- Shading: 0-10
- Grad View
- Hyaline
- Hyaline^{iLive}: 0%-100%
- Inversion
- A3:1
- Move Light
- Distance: 10-200mm (±20mm)
- Threshold: 0%-100%
- Brightness^{VR}: 0%-100%
- Depth VR: Off, Black, Cyan, Blue, Rose
- Smooth: 0-10
- Opacity: 0%-100%
- Contrast^{VR}: 0%-100%
- Tint^{VR}: Off, 1-8
- Degree: 10°-80° (±20°)
- Main Render: Surface, Max, Min, X Ray, iLive
- Sub Render: Surface, Max, Min, X Ray

4.14 4D

• Available on all volume transducers
• Static 3D and real time 4D

Acquisition preparation:
- 4D frame rate: max. 80 vps
- Smart Scene3D:

Spine, Brain, Long Bone, Face, Endometrium, Pelvic
Routine
iLive Pro
Bone
Tissue
- Refresh
- Reset VOI
- Flip VOI
- Angle: 10°-90°
- Quality: low1, low2, mid, high1, high2
- STIC

VR:
- Reset: All, Ori, Curve
- VOI: On, Off, Fixed
- Active Quadrant: A, B, C, VR
- VR orientation: 0°, 90°, 180°, 270°
- Filp
- Sync
- Smart Face
- 3D Ref
- Orientation Assist
- Threshold: 0%-100%
- Opacity: 0%-100%
- Brightness^{VR}: 0%-100%
- Contrast^{VR}: 0%-100%
- 3D iClear^{VR}: Off, 1-7
- Smooth: 0-10
- Depth VR: Off, Black, Cyan, Blue, Rose
- Tint^{VR}: Off, 1-8
- Hyaline^{iLive}: 0%-100%
- Zoom: x0.2-x4.0
- Face+: Off, 1-3
- FaceContact: -15 - 15
- Auto Play: Stop, x1/3, x1/2, x1, x2, x3
- Frame: 1-N/N (N indicates the number of all frames)
- 3D/4D Scenario:

Smart Scene 4D-Surf., Skeleton, iLive Gen., iLive Bone
Routine-Surf., Surf.Enh., iLive Gen., Skeleton
iLive Pro-iLive Transp., Spot Light, Inner Light, Multi-Light

Bone-Skeleton, Skeleton.Surf, iLive Bone, Skeleton.Smooth
Tissue-Surf.Detail, Surf.Smooth, Soft.Inversion, iLive Tissue

MPR:

- Active Quadrant: A, B, C
- Gray Map: 1-8
- Brightness^{MPR}: 0%-100%
- Contrast^{MPR}: 0%-100%
- 3D iClear^{MPR}: Off, 1-7
- Tint^{MPR}: Off, 1-8
- Zoom: x0.2-x4.0
- Thickness: 0mm-30mm
- Auto Play: Stop, x1/3, x1/2, x1, x2, x3
- Frame: 1-N/N (N indicates the number of all frames)

Adv.:

- Direction: Up/Down, Left/Right, Font/Back, Down/Up, Right/Left, Back/Front
- VR Refine: Off, 1-7
- Surf.ENH: 0-7
- MgaiClean: Off, Low, Mid, Hight, Max
- Inversion
- Move Light
- Main Render: Surface, Max, Min, X Ray, iLive
- Sub Render: Surface, Max, Min, X Ray
- Shading: 0-10
- Hyaline
- Hyaline^{iLive}: 0%-100%
- Grad View
- Mix: 100%/0%-0%/100%
- Threshold: 0%-100%
- Opacity: 0%-100%
- Brightness^{VR}: 0%-100%
- Contrast^{VR}: 0%-100%
- 3D iClear: Off, 1-7
- Smooth: 0-10
- Depth VR: OFF, Black, Cyan, Blue, Rose
- Tint^{VR}: Off, 1-8
-
- Auto Play: Stop, x1/3, x1/2, x1, x2, x3
- Frame: 1-N/N (N indicates the number of all frames)

- Tools

Edit:

- Rubber
- Polygon
- Line
- Contour
- Rect
- Undo
- Undo All
- Eraser Diam.: 8-80
- Auto Play: Stop, x1/3, x1/2, x1, x2, x3, Static 3D and real time 4D support
- Frame: 1-N/N (N indicates the number of all frames), Static 3D and real time 4D support

3D Layout:

- Niche: Inner, Outer
- 3Slice
- Active Quadrant: A, B, C, Niche/ 3Slice
- Auto Play: Stop, x1/3, x1/2, x1, x2, x3, Static 3D and real time 4D support
- Frame: 1-N/N (N indicates the number of all frames), Static 3D and real time 4D support

Auto rotation:

- Save AVI to USB
- Set Start
- Set End
- Direction: Left/Right, Up/Down
- Step: 1°-15°
- Speed: 1-6
- Quick Angle: 30°-180°

- 3D Print
  - Quality: Low, Mid, High
  - Generate Mesh
  - File Format: .stl, .obj, .ply, .3mf, .off
  - Save mesh to USB
  - Threshold: 0%-100%
  - 3D iClear^{VR}: Off, 1-7, Static 3D and real time 4D support
  - Smooth: 0-10
- 3D Reference Point
  - Input
  - Display: Point, H Line, V Line

- Delete All
- Hide All
- Return
- Distance: 10°-80° (±20°), Smart 3D support
- Degree: 10mm-200mm (±20mm), Smart 3D support
- Auto Play: Stop, x1/3, x1/2, x1, x2, x3, Static 3D and real time 4D support
- Frame: 1-N/N (N indicates the number of all frames), Static 3D and real time 4D support

• Color 3D
- Available on volume transducers
- Supports Color and Power mode

• STIC
- Acquiring Time: 7.5s-17.5s
- Angle: 10°-85°
- Reset VOI
- Flip VOI
- Estimated Fetal Heart Rate:
  ACCEPT HR
  REJECT HR
  REJECT ALL

• iPage+
- Reset Ori
- RefMPR: A Plane, B Plane, C Plane
- Sync MPR: A, B, C
- Quick Rotation: 90°, -90°, -180°
- Slice Layout: 2*2, 3*3, 4*4, 5*5
- Tint: Off, 1-8
- Brightness: 0%-100%
- Contrast: 0%-100%
- Thickness: 0mm-30mm
- 3D iClear: Off, 1-7
- Slices Number: 3-25
- Spacing: 0.5mm-10.0mm
- Line(Start)
- Line(End)
- Auto Play: Stop, x1/3, x1/2, x1, x2, x3
- Frame: 1-N/N (N indicates the number of all frames)

• SCV+

SCV+
- CMPR
- Reset: Reset All
- Orientation Assist
- Active Quadrant: A, B, C
- 3D iClear: Off, 1-7
- Tint: Off, 1-8
- Brightness: 0%-100%
- Contrast: 0%-100%
- Thickness: 0mm-30mm
- Opacity: 0%-100%
- Main: Surface, Max, Min, X Ray
- Sub: Surface, Max, Min, X Ray
- Mix: 0/100%-100/0%
- Auto Play: Stop, x1/3, x1/2, x1, x2, x3
- Frame: 1-N/N (N indicates the number of all frames)

CMPR
- Reset: Undo Last, Reset Curve
- CMPR
- Flip: Thickness, Direction
- Active Quadrant: Ref. Image (A, B, C), 1, 2, 3
- Trace Options: Line, Trace, Spline
- Quick Rotation: 0°, 90°, 180°, 270°
- Hide Annotation
- Tint: Off, 1-8
- Brightness: 0%-100%
- Contrast: 0%-100%
- Thickness: 0mm-30mm
- Opacity: 0%-100%
- 3D iClear: Off, 1-7
- Line Extension
- Rotate RL
- Auto Play: Stop, x1/3, x1/2, x1, x2, x3
- Frame: 1-N/N (N indicates the number of all frames)

• iLive
- Classic
- Int Point
- Ext Point
- User1
- Paralled
- Torch
- 3-light
- User2
- Light
- Copy to: User1, User2
- Return

- Move Light
- VL Dist.^{iLive}: 0.0-5.0
- VL Angle^{iLive}: 0%-100%
- Brightness^{VR}: 0%-100%
- Contrast^{VR}: 0%-100%
- Depth VR: Off, Black, Cyan, Blue, Rose
- VL Bright.^{iLive}: 0%-100%
- Tint: 0-4
- Hyaline^{iLive}: 0%-100%
- VL Hue^{iLive}: 0%-100%
- VL Sat.^{iLive}: 0%-100%
- Degree: 10°-80° (±20°), Smart 3D support
- Distance: 10mm-200mm (±20mm), Smart 3D support

• Smart Planes CNS
- Auto Comment
- Reset: All Planes, Current Planes
- Measure: Auto Measure, Edit (Off, BPD, OFD, HC, TCD, CM, LVW)
- Accept Result
- Accept
- Cancel
- Smart Planes: TCP, TTP, MSP, TVP
- MSP Adjust: A, B, C
- Hide Measure
- Hide Lines
- Font Size: Small, Medium, Large
- Tint: Off, 1-8
- Brightness: 0%-100%
- Contrast: 0%-100%
- Thickness: 0mm-30mm
- 3D iClear: Off, 1-7

• Smart Face
- Recognize fetal face automatically and then display the face in a recommended viewing angle
- AutoDirect
- MixRender: 0-3
- EraseSize: 0-2
- For-Rubber
- Re-Rubber
- SubTint: 1-4
- Face+: Off, 1-3
- FaceContact: -15-15

• Smart FLC (Smart Follicle)
- Automatic follicle calculation in 2D/3D
- Calc
- Edit ROI
- Active Quadrant: A, B, C, Follicle, Left, Right
- Edit: Edit On, Edit Off, Divide, Merge, Add/Del
- Undo: Undo, Redo, Undo All
- Save to Report

• Smart Scene 3D
- As an intelligent scenario-oriented volume scan technique, it automatically enables the identification of tissue characteristics and provides an organ-specific diagnosis with full-stack intelligence from imaging optimization, to planes acquisition, quantification and with automated workflow throughout whole procedure.
- Available in fetal brain, fetal face, spine, long-bone, endometrium, and pelvic floor.
- Not available on Smart 3D mode
- Adjust ROI size and position automatically and activate appropriate render modes according to the recognized anatomical structure of certain organs

• Smart Volume

Smart-V ROI
- Edit ROI
- Calc
- Active Quadrant: A, B, C, Smart-V
- ROI Range: 0-2
- Tint: Off, 1-8
- Brightness: 0%-100%
- Contrast: 0%-100%
- Thickness: 0mm-30mm
- Trace Mode: Smart Trace, Spline, Trace
- Display: 2D, 2D&C
- Edit: Off, On (Add, Delete, ReCalc)
- Analysis: Shell-Off, Inside, Outside, Sym.
- Accept Result

- Smart-V Reset Ori
- shell thickness: 0-20mm
- Undo: Undo, Redo, Undo All

Smart-V Trace

- Trace On MPRs
- Calc
- Active Quadrant: A, B, C, Smart-V
- Tint: Off, 1-8
- Brightness: 0%-100%
- Contrast: 0%-100%
- Thickness: 0mm-30mm
- ROI Range: 0-2
- Trace Mode: Smart Trace, Spline, Trace, Control Point
- Display: 2D, 2D&C
- Edit: Off, On (Add, Delete, ReCalc)
- ReCalc
- Analysis: Shell-Off, Inside, Outside, Sym.
- Accept Result
- Smart-V Reset Ori
- shell thickness: 0-30mm
- Undo: Undo, Redo, Undo All

Smart V Vocal

- 1.Reference Line
- 2.Trace OnSlice
- 3.Cal Vol
- Active Quadrant: A, B, C, Smart-V
- Tint: Off, 1-8
- Brightness: 0%-100%
- Contrast: 0%-100%
- Thickness: 0mm-30mm
- Display: 2D, 2D&C
- Trace Mode: Smart Trace, Spline, Trace, Control Point
- Slice Num: 6-30
- Edit: On, Off
- Win Format: 1*1, 3*2, 3*3, 4*3
- Update Vol
- Analysis: Shell-Off, Inside, Outside, Sym.
- Accept Result
- Smart-V Reset Ori
- Shell thickness: 0-30mm
- Undo: Undo, Redo, Undo All
- Previous Slice
- Next Slice

4.15 Smart Track

- Available on linear probes
- Enable the function under Color/Power mode, the angle and the position of the ROI are adjusted automatically.
- Enable the function under Color/ Power+PW mode, the angle and the position of the PW sampling line, SV size, SV angle and SV position are adjusted automatically

4.16 RIMT (RF-Data based IMT)

- Side: left/right
- Calculation of 6 RIMT values, RIMT average value, SD and ROI W

4.17 iScape View (Panoramic View)

- Actual size
- Fit size
- Ruler: On/Off
- Tint map: Off; 8 types
- Rotation: 0~355 degrees, 5/step

4.18 iNeedle

- B/iNeedle: On/Off
- Needle Dir.: Auto/Left/Right
- LineDensity: L, M, H, UH

4.19 UWN+ Contrast Imaging

- Available on C5-1, SC5-1N, V11-3H, V11-3, V11-3B, V11-3HB, L13-3N, L9-3, L16-4Hs, SP5-1N, and DE11-3 probes
- Gain: 0-100, 1/step
- FOV
- FOV Position: random adjustable
- Image Quality: 3 Levels
- Persistence: 0-7, 1/step
- Gray Map: 1-8, 1/step
- Tint Map: Off, 1-8, 1/step
- iClear: Off, 1-7, 1/step
- Line Density: L, M, H, UH
- L/R Flip: On/Off
- U/D Flip: On/Off
- Rotation: 0, 90, 180, 270
- LGC: 8 point
- Dual Live: On/Off
- Smooth: 0-6, 1/step
- Mix:
  - Dual Live on: Contrast/C&T
  - Dual Live off: Contras/C&T/Tissue

- Timer1: On/Off
- Timer2: On/Off
- Destruct: On/Off
- Destruct Time:
  - Phased array transducer: 200-2000, 90/step
  - Curved array transducer, Linear array transducer: 500-2000, 75/step
- DestructAP: -30-0, 0.3/step
- Max Frame Rate
- MFE: On/Off
- MFE Period: 0.1s, 0.2s, 0.4s, 0.6s, 0.8s, 1.0s, MAX
- Restro Capture: On/Off
- Pro Capture: On/Off
- CEUSPos: On/Off
- MarkLine: On/Off
- iTouch+: On/Off

4.20 Contrast Imaging QA

- Support Time-Intensity Curve analysis
- Table display: display data in table
- Up to 8 ROIs
- Delete all
- Delete current
- Copy ROI
- Fit curve
- Raw curve
- Motion tracking: Reduce the effect of tissue movement
- X scale: 1-5, 1/step
- Auto play
- ROI Type: Trace ROI, Ellipse ROI
- Export: export current data as CSV format file

4.21 LVO

- Only available in LVO exam mode
- Dedicated left ventricle contrast imaging tool

4.22 VLMI Contrast

- Only available in cardiac exam mode
- Enhances echo reflection by using contrast agent to perform myocardial analysis based on echocardiography technique

4.23 Volume CEUS

- Display: Contrast, Tissue
- Reset: All, Ori, Curve
- VOI: On, Off, Fixed
- Active Quadrant: A, B, C, VR
- Rotation: 0°, 90°, 180°, 270°
- Flip
- Sync
- Threshold: 0%-100%
- Opacity: 0%-100%
- Brightness: 0%-100%
- Contrast: 0%-100%
- Smooth: 0-10
- Main: Surface, Max, Min, X-ray, iLive
- Sub: Surface, Max, Min, X-ray, iLive
- Mix: 100%/0%-0%/100%
- Timer1
- Timer2
- Set Begin
- Set End
- Jump To First
- Jump To Last
- Auto Play: Stop, ×1, ×2, ×3, ×1/2, ×1/4
- Frame
- Rubber: 20, 40, 60, 80
- Line
- Contour

4.24 Strain Elastography

- Available on V11-3H, V11-3, V11-3B, V11-3HB, L13-3N, L9-3, L16-4Hs, and DE11-3 probes
- Opacity: 0-5, 1/step
- Map: E1-E6
- Smooth: 0-5, 1/step
- ROI: random adjustable
- Invert: On/Off
- Depth
- Display Format: V1: 1, H1: 1, FULL
- Strain Scale: 0~5, 1/step
- Map Position: 0%~100%, 5%/step
- Dyn Ra.: 0~5, 1/step
- Strain Mode: 0~1, 1/step
- E Sensitivity: 0~5, 1/step

4.25 STE Imaging (Sound Touch Elastography Imaging)

- Available on C5-1, SC5-1N, L13-3N, L14-3W and L9-3 probes

- Display Format: V1: 1, H1: 1, FULL
- RLB Map: On/Off, RLB, RLB&E, RLB&B&E
- iLayering: On/Off
- Invert: On/Off
- HQElasto: On/Off
- E Quality: Pen, Gen, Res
- Elas.Metric: E, Cs, G
- Scale: 30 levels
- Opacity: 0-5, 1/step
- Map: E1-E3, 1/step
- ROI: random adjustable
- Filter: 0, 1
- RLB View: On/Off
- Map Position: 0%~100%, 5%/step
- Smooth: 0~2, 1/step
- Persistence: 0~2, 1/step
- M-STB Index: On/Off
- M-STB Sensi.: 0~4, 1/step
- E Bar: Mean, Max, Min, SD
- E Avg: 8step
- Fixed ROI
- Save All: On/Off
- Lesion: off, 1~10

4.26 STQ Imaging (Sound Touch Quantification Imaging)

- Available on C5-1, SC5-1N, L13-3N, L14-3W and L9-3 probes
- Fixed ROI
- ROI Center Depth: random adjustable
- Elas.Metric: E, Cs, G
- Scale: 0-9, 1/step
- E Avg: 8step
- HQElasto: On/Off
- Filter: 0, 1
- M-STB Index: On/Off
- M-STB Sensi.: 0~4, 1/step
- E Bar: Mean, Max, Min, SD
- Smooth: 0~2, 1/step
- Persistence: 0~2, 1/step
- Map Position: 0%~100%, 5%/step
- Save All: On/Off
- Lesion: off, 1~10
- FS Mode: On/Off

4.27 AutoEF

- Output EDV/ESV/EF/SV/CO by Simpson method
- Activated with or without ECG
- Adjustment for the border of endocardium by single point or multi points
- Adjust Frame
- Layout: Dual/ Single
- Diastole FR
- Systole FR
- Volume curve: On/Off

4.28 TT QA

- Tissue tracking quantitative analysis
- Available on SP5-1N and P8-2 probes
- Mandatory ECG connection before TTQA cine acquisition
- Six views for analysis: ALAX, A4C, A2C, PSAXB, PSAXM, PSAXAP
- Reload: reload cine again for new study
- Edit: modify trace points
- Start tracking
- Accept & compute: start tracking myocardium movement when user accept trace result
- Display effect: 0/1; at 1, tracking in velocity vector arrow; at 0, tracking in dots
- Trace method: 3 point or manual for ALAX, A4C, A2C; manual for PSAXB, PSAXM, PSAXAP
- Bull's eye: trace result in bull's eye model
- Valve's open and close time index: MVC, MVC', AVC, AVO, MVO
- Data export: export data in CSV file
- Cycle: ECG triggered cardiac cycle recognition for analysis; adjustable
- Auto play: stop, X1/10, X1/5, X1/4, X1/3, X1/2, X1, X2, X3
- Thickness: 1-30mm, 1mm/step; adjust trace thickness
- Track point: 20-40, 1/step
- Parameter: Volume, Speed, Displacement, L Strain, L Strain R, T Strain, T Strain R, Area, R Strain, R Strain R, C Strain, C Strain R, C Rotation, C Rotation R
- Smooth: 0-4, 1/step
- Trace method: 3 point, manual
- Tracking cycles: 1, 3
- Select Cycle: select among 3 cycles when the Tracking Cycle is set to 3

- Average Cycle: On/Off
- Display style: All, Endo., Myo., Epi.,
- Curve Display
- Torsion & Torsion Rate Curve
- LGC adjustment
- Data Export: export current data as CSV format file

4.29 Stress Echo

- Available on SP5-1N and P8-2 probes
- 14 factory protocols
- User-defined protocols
- ECG triggered acquisition, display, selection, comparison, evaluation and archiving of multiple cardiac loops during various stages of a stress echo examination
- Customized stages: up to 6 views per stage, and up to 12 stages per study
- View: standard views (PSLA, PSAX, A4C, A2C), and customized views
- Image acquisition
- R-wave trigger
- Acquire mode: Manual ROI or full screen
- Ability to acquire frames or clips in B-mode, M-mode, Color, PW and TDI
- Image selection
- Attach the images with view annotation label (PSLA, PSAX, A4C, A2C, and customized views)
- Review
  Automatically adjust to the number of images user defined
- Wall Motion Scoring
  - ASE 16, or ASE 17
  - Graphical display of scoring (Normal, Hyperkinetic, Severely Hyperkinetic, Akinetic, Dyskinetic)
- LV volume measurement
  Measurement of LV Volume in all phases of cardiac cycle
- Report
  Reporting for both Wall Motion Scoring and LV volume measurement

4.30 R-VQS

- Side: Left, Right
- Speed: 6 levels
- Position: 0-100%
- Curve Disp: Adjust the height of the curve

4.31 Smart Pelvic

- VR
  - Auto Measure
  - Accept Result
  - Refresh Oir
  - Set Lables: Rest, Contraction, Valsalva
  - Active Quadrant: A, B, C, VR
  - Tools: Edit, Hide, Undo, Undo All
  - VR Refine: Off, 1-7
  - VOI Thickness: 10mm-30mm
  - Threshold: 0%-100%
  - Opacity: 0%-100%
  - Brightness: 0%-100%
  - Contrast: 0%-100%
  - 3D iClear: Off, 1-7
  - Timer: On, Off
  - Meas Parm
  - Smooth: 0-10
  - Auto Play: Stop, x1/3, x1/2, x1, x2, x3
  - Frame: 1-N/N (N indicates the number of all frames)
  - Multi-plane Mode
  - Meas Parameters:
    Rest: LH Area, LH Circ, LH AP Diam, LH Lateral Diam, LUG
    Contraction: LH Area, LH Circ, LH AP Diam, LH Lateral Diam, LUG
    Valsalva: LH Area, LH Circ, LH AP Diam, LH Lateral Diam, LUG
- CMPR
  - Set Ref. Lines
  - Accept Result
  - Auto Measure
  - Refresh Ori
  - Set Lables: Rest, Contraction, Valsalva
  - Active Quadrant: Ref. Image (A, B, C), Open, Closed, Closing
  - Tools: Edit, Hide, Undo, Undo All
  - 3*3
  - 3D iClear: Off, 1-7
  - Line Extension
  - Rotate RL
  - Opacit: 0%-100%

- Brightness: 0%-100%
- Contrast: 0%-100%
- Tint: Off, 1-8
- Thickness: 0mm-30mm
- Spacing: 0.5mm-10.0mm
- Auto Play: Stop, x1/3, x1/2, x1, x2, x3
- Frame: 1-N/N (N indicates the number of all frames)

4.32 Smart Fetal HR (Fetal Heart Rate)

- Measure the fetal heart rate automatically on B and M modes
- Smart FHR cycle: 1-3
- Alignment Out-Plane

4.33 Smart Thyroid

- Side: Left, Right, Isthmus
- Select nodule
- Add nodule/Delete nodule
- Detect view
- Add/delete malignant signs view
- Display/Hide measurement results
- Analyze Nodule
- Confirm Nodule

4.34 Smart Breast

- Side: Left, Right
- Select Mass
- Add Mass/Delete Mass
- Detect view
- Add/delete malignant signs view
- Display/Hide measurement results
- Analyze Mass
- Confirm Mass
- Review Mass Analysis

4.35 iScanHelper

- Tutorial function as a guidance to showbasic scanning skill with graphic of probe position, schematic of anatomy and example clinical image
- Support ABD, SMP, URO, OB, GYN applications
- Support broadcasting the scanning skill in multi languages

4.36 Smart Vue

- Automatic cardiac/abdomen plane recognition and scanning guidance. Smart Vue automatically recognizes the standard cardiac/abdomen view, captures images/clips, helping standardize the quality of examination.
- Phased array probe in cardiac exam mode (except for neonatal cardiac), and Convex probe in abdomen exam mode support this function.
- Cardiac exam mode standard view: A4C, PLAX, PSAX, S4C, IVC.
- Abdomen exam mode standard view: Portal Vein, Sag Liver-Rt Kidney,1st Porta Hepatis, Sag Lt Lobe-Caudate, Sag Lt Lobe-AAo, Sag LHV-IVC, Long GB, Lt Portal Vein,LA Pancreas, 2nd Porta Hepatis.

4.37 iBeam

- Spatial compound imaging
- Off, 1-7, 1/step

4.38 iClear

- Speckle suppression imaging 10 steps

4.39 iTouch+

- B-mode: Gain, TGC, LGC, Dehaze
- Color: Gain
- Power: Gain
- PW: Scale, Baseline, PRF
- Contrast imaging: Gain, TGC, LGC

4.40 Echo Boost

- Available in cardiac exam mode when using a phased array probe
- Improve the homogeneity through the whole field of view
- Better noise control in cardiac chambers and muscles

4.41 Zoom

- Zoom:
  - Spot Zoom
  - Res Zoom
  - Pan zoom: 0.8x-4x each side, 0.64 – 16X of the square,
- Available on B, 3D, 4D, Freeze mode

- iZoom: convertible 3 steps; normal image, zoom standard area, zoom only image area, in real-time

4.42 QSave

- Quickly save image parameter setting after image adjustment done
- Support Save, Create, Restore
- 3D/4D Preset Manager
  - The scenarios and subpresets can be renamed, restored, deleted, added, set to active, or moved
  - Show scenario and subpreset parameters
  - Provide multiple groups of preset 3D/4D parameters based on different application scenarios to quickly obtain expected image effect

4.43 iCompare

- Allow to compare real-time ultrasound imaging to the past DICOM CT/MRI/ Mammography/X-Ray/Ultrasound images without external workstation
- Helpful to easily evaluate and follow up the progression of disease, treatment effect monitoring.

4.44 DVR

- Digital video recorder, a useful tool for education and memory
- Max storage length each time: 60 min

5 Cine Review and Raw Data Processing

5.1 Cine review

- Available in all modes with possible measurements
- Frame by frame manual cine loop review or auto playback with variable speed
- Maximum cine memory up to 45000 frames (B storage server) or 163.84s (M storage server) (depends on the mode)
- Maximum 4D cine memory: 12838 volumes (D7-2)
- Retrospective storage (1-120s pre-settable) and prospective storage (1-480s pre-settable)
- Frame compare: displays one cine in dual format and allows frame by frame compare side by side
- Cine compare: compare cines which are saved in same imaging mode
- Jump to first and jump to last: one keystroke go to first or last frame in the cine

5.2 Raw data processing

- B-mode
  TGC
  Gain
  Dyn Ra.
  Gray Map
  Tint Map
  iClear
  L/R
  U/D
  Rotation
  LGC
  Dual Live
  Auto Merge
  H Scale
  Echo Boost
  Smooth
  ExtImage
  Zoom
  V1:1
  Dehaze
  Edge Enhance
  Single/Quad
  Ref Lines
- M-mode:
  Gain
  Speed
  Dynamic Range
  Gray Map
  Tint Map
  Display format
  Edge Enhance
  Time Flag
- Color:
  Gain
  Baseline
  Smooth
  Color Map
  Priority
  Dual Live

Invert
velocity tag
Quad
ExtImage

- PW:

Gain
Baseline
Volume
Angle
Quick Angle Gray
map
Tint Map
Display format
Invert
WF
T/F Res
Auto Calculate
Auto Calc Cycle
Trace Sensitivity
Auto Calc Parameter
Trace Smooth
Trace Area
Auto Calc Loop

6 Measurement/Analysis and Report

NOTICE:

Support manual, semi-automat, automat (available on Freeze, saved images and CINE loops) and real-time measurements

For general measurement, automatic measurement, and clinical measurement packages, see the Appendix.

6.1 IMT

- Intima-Media Thickness Measurement
- Automatic detection of IMT
- Support CCA, ICA, ECA, Bulb IMT
- Near wall and far wall detection
- Angle selectable

6.2 IVF

- The uterus and follicle growth curve can be displayed in the IVF report.
- Data of IVF history exams can be checked in the IVF report.

6.3 Smart OB

- Auto measurement for OB, a special tool for easy OB scan, and greatly reduce time and increase productivity
- Support BPD, HC, OFD, FL, AC, HUM
- Better get GA before start auto AC
- Measurement result can be modified by user

6.4 Smart NT

- NT auto measurement
- Auto detection of NT inside ROI

6.5 Smart HIP

HIP auto measurement

6.6 Smart Trace

Measures the lengths of major axis and minor axis, area and circumference of a closed region on the image semi-automatically

6.7 CPP

Measures the pixel proportion of blood flow signal in the region of interest

6.8 Smart HRI

Auto measurement method for Hepatorenal Index (HRI)

6.9 Smart Bladder

Auto measure three diameters and calculate the bladder volume

6.10 Smart Calc

Automatic trace, measurement and calculation tool

6.11 Auto Report

- Specific report template by application
- Editable value in report
- Images selectable
- Anatomy information for vascular and OB report
- Editing though iReport
  - User-defined report template
  - Selecting report modules
  - Adding/removing measurement items from the report
  - Changing report layout
- Load/save comment
- Viewing history reports

- Preview and printing reports
- Able to Export as PDF/RTF file
- V-Mapping
  Add anatomical graphics for illustration
- Mini report
  - Quickly displaying Mini report in the thumbnail area of the main screen
  - Including both general measurement and application measurement results
  - Support deleting measurement results

6.12 iWorks

- Auto workflow protocol
- Templates are user configurable
- Functions: pause, stop, replace, repeat, skip, insert single step, return and continue, steps in thumbnail, insert another template
- iWorks setup mode: B; B/B (Dual Live); Dual B/B; Color; B/Color (Dual Live); Power; B/Power (Dual Live); B + PW; B + PW + Color; Color + PW; Power + PW; B + CW; Color + CW; B+M; B+TVI; TVI+TVD; iScape View.
  iWorks setup annotation: support up to 2 annotations, location and font size are configurable.
- iWorks setup bodymark: select existing library, and transducer indicator is pre-settable
- iWorks setup measurement: select existing measurement library
- Template import and export are available
- Support create user-defined iWorks protocol

6.13 UltraView

- Components:
  - DICOM Basic
  - DICOM Query/Retrieve
  - DICOM OB/GYN SR
  - DICOM Cardiac SR
  - DICOM Vascular SR
  - DICOM Breast SR
  - DICOM Urology SR
  - DICOM Pediatric SR
  - DICOM Small Parts SR
  - DICOM Abdomen SR
  - TDI QA
  - Contrast Imaging QA
  - Tissue Tracking QA
  - Niche
  - iLive
  - iPage+
  - IVF
  - AutoEF
  - Smart Planes CNS
- PC-based off-line software

Not all measurements are listed in this part; For more detailed information please refer to User Manual

7 Exam Storage and Management

7.1 Exam storage

- 1TB HHD (Hard Disk Drive)

Capable to store up to approximate 2297011 single frames

- 512G SSD (Solid State Drive) Capable to store up to approximate 982869 single frames
- 1TB SSD (Solid State Drive)

Capable to store up to approximate 2297011 single frames

- Direct digital storage of single frameand cine 2D, color and Doppler

7.2 Exam management

- iStation workstation dedicated forpatient exam management
- Patient exam query/retrieve
- Support review of current and pastexam
- New exam, Activate exam, Continue exam functions, End exam are available
- Support measurements and calculations on archived exam andimages
- Export images in BMP/JPG/TIFF/DCM/ AVI/MP4 format
- Support backup/send to USB devices, DVD-RW, CD-R, DVD+R, DVD-R, DVD+RW media

8 Connectivity

8.1 Ethernet Network Connection

- Cable connection

- Wireless connection: built-in wireless adapter

8.2 DICOM 3.0

- DICOM basic
  - Verify (SCU, SCP)
  - Task management
  - DICOM storage
  - DICOM print
  - DICOM storage commitment
  - DICOM media storage (including DICOM DIR)
- DICOM Worklist
- DICOM Query/Retrieve
- DICOM Modality Performed Procedure Step - MPPS
- DICOM OB/GYN structure report
- DICOM Cardiac structure report
- DICOM Vascular structure report
- DICOM Breast structure report
- DICOM Abdomen structure report
- DICOM Small Parts structure report

8.3 iStorage (included in UltraAssist)

Direct network storage tool between ultrasound system and personal computer

8.4 MedSight

- An interactive app that lets you transfer clinical images straight from Mindray Ultrasound system to a smart device, such as mobile phone or tablet PC
- Needs to be installed on mobile terminal
- Transfer images or clips from system to mobile terminal through Wi-Fi
- Support both iOS (7.0 and above) and Android (4.0 and above) system
- For iOS powered smart device: DICOM is mandatory
- For Android powered smart device: DICOM not necessary

8.5 MedTouch

- Connect Ultrasound machine to smart devices based on Android and iOS system, such as tablet PC or mobile phone. Remote control of Ultrasound machine, review of patient information, and tutorial software iScanHelper study on smart devices
- Support Android and iOS powered smart devices
  - Android 4.0 and above
  - iOS 7.0 and above
  - DICOM not necessary

8.6 u-Link

The u-Link can be used to connect to software that supports the u-Link protocol(such as the MiCO+ Remote Imaging System).

9 Transducers

9.1 Curved array

- C5-1
  - Application: Abdominal, Gynecology, Obstetrics, Vascular, Nerve, Musculo-skeletal, Urology, Thoracic/Pleural, Small Organ
  - Advanced Function: iScape View, Free Xros M, Color M, Smart 3D, Contrast Imaging (Abdomen), STE&STQ (Abdomen)
  - Bandwidth: 1.2-6.0 MHz
  - Number of Elements: 128
  - FOV (max): 74°
  - Convex Radius: 60mm
  - Depth: 4.0-40.0 cm
  - Physical Footprint: 76.5 mm*28 mm
  - Footprint: 64.9 mm*16.2 mm
  - B-mode Frequencies: 1.2-3.8, 1.7-5.2, 2.0-6.0 MHz
  - Harmonic Frequencies: 4, 5, 6 MHz
  - Color Frequencies: 1.8, 2.0, 2.5, 3.0, 3.2 MHz
    HR Flow: 3.5 MHz
  - PW Frequencies: 1.8, 2.0, 2.5, 3.0, 3.2 MHz
  - Biopsy Guide: NGB-022, multi angle, reusable, LPUBKG60 (disposable)

- C7-3
  - Application: Abdominal, Gynecology, Obstetrics, Vascular,Nerve, Musculo-skeletal, Urology,Thoracic/Pleural, Small Organ
  - Advanced Function: iScape View,Free Xros M, Color M, Smart 3D, Contrast Imaging (Abdomen), STE&STQ (Abdomen)
  - Bandwidth: 1-7.2MHz
  - Number of Elements: 192
  - FOV (max): 70°
  - Convex Radius: 50 mm
  - Depth: 3.0-44.0 cm
  - Physical Footprint: 71 mm*21.5mm
  - Footprint: 60.5 mm*12.2 mm
  - Biopsy Guide: NGB-019, multiangle, reusable

- **C11-3**
  - Application: Abdominal, Cephalic,Cardiac, Vascular, Pediatric
  - Advanced Function: iScape View,Free Xros M, Color M, Smart 3D
  - Bandwidth: 2.6-12.8 MHz
  - Number of Elements: 128
  - FOV (max): 114°
  - Convex Radius: 15mm
  - Depth: 1.5-35.0
  - Physical Footprint: 32.8mm*25mm
  - Footprint: 27.4mm*8.4mm
  - B-mode Frequencies: 2.6-6.5, 3.2-7.9, 4.7-12.8 MHz
  - Harmonic Frequencies: 6, 7, 8 MHz
  - Color Frequencies: 4.4, 5.0, 5.7MHz HR Flow: 5.0 MHz
  - PW Frequencies: 4.4, 5.0, 5.7 MHz
  - Biopsy Guide: NGB-018, multiangle, reusable

- **SC5-1N (Single Crystal)**
  - Application: Abdominal, Gynecology, Obstetrics, Vascular, Nerve, Musculo-skeletal, Urology,Thoracic/Pleural, Small Organ
  - Advanced Function: iScape View,Free Xros M, Color M, Smart 3D, Contrast Imaging (Abdomen), STE&STQ (Abdomen)
  - Bandwidth: 1.2-6.0 MHz
  - Number of Elements: 192
  - FOV (max): 74°
  - Convex Radius: 60 mm
  - Depth: 4.0-40.0 cm
  - Physical Footprint: 76.7 mm*28mm
  - Footprint: 68 mm*18 mm
  - B-mode Frequencies: 1.2-3.8, 1.7-5.2, 2.0-6.0 MHz
  - Harmonic Frequencies: 4, 5, 6 MHz
  - Color Frequencies: 1.8, 2.0, 2.5, 3.0,3.2 MHz HR Flow: 3.5 MHz
  - PW Frequencies: 1.8, 2.0, 2.5, 3.0, 3.2 MHz
  - Biopsy Guide: NGB-022, multiangle, reusable; LPUBKG60 (disposable)

- **V11-3H**
  - Application: Gynecology,Obstetrics, Urology
  - Advanced Function: iScape View,Free Xros M, Color M, Smart 3D, Contrast Imaging (Gynecology, Urology), Strain Elastography(Gynecology, Urology)
  - Bandwidth: 3.0-12.0 MHz
  - Number of Elements: 192
  - FOV (max): 195°
  - Convex Radius: 11 mm
  - Depth: 1.5~28.0 cm
  - Physical Footprint: 24.9 mm*21.8mm
  - Footprint: 24 mm*9 mm
  - B-mode Frequencies: 3.0~7.0,4.0~9.0, 5.0~12.0 MHz
  - Harmonic Frequencies: 8, 9, 10MHz
  - Color Frequencies: 4.2, 4.4, 5.0, 5.3, 5.5 MHz HR Flow: 5.5 MHz
  - PW Frequencies: 4.2, 4.4, 5.0, 5.3, 5.5 MHz
  - Biopsy Guide: NGB-025, singleangle, reusable

- **V11-3**
  - Application: Gynecology,Obstetrics, Urology
  - Advanced Function: iScape View,Free Xros M, Color M, Smart 3D, Contrast Imaging (Gynecology, Urology), Strain Elastography (Gynecology, Urology)
  - Bandwidth: 3.0-12.0 MHz
  - Number of Elements: 128
  - FOV (max): 179°
  - Convex Radius: 11 mm
  - Depth: 1.5~28.0 cm
  - Physical Footprint: 24.85 mm*21.8mm
  - Footprint: 24 mm*9 mm
  - B-mode Frequencies: 3.0~7.0,4.0~9.0, 5.0~12.0 MHz
  - Harmonic Frequencies: 8, 9, 10MHz
  - Color Frequencies: 4.2, 4.4, 5.0, 5.0,5.2 MHz
  - HR Flow: 5.5 MHz
  - PW Frequencies: 4.2, 4.4, 5.0, 5.7, 6.0 MHz
  - Biopsy Guide: NGB-004, single angle, reusable; NGB-045, single angle, reusable

- V11-3HB
  - Application: Gynecology,Obstetrics, Urology
  - Advanced Function: iScape View,Free Xros M, Color M, Smart 3D, Contrast Imaging (Gynecology, Urology), Strain Elastography (Gynecology, Urology)
  - Bandwidth: 3.0-12.0 MHz
  - Number of Elements: 192
  - FOV (max): 243°
  - Convex Radius: 11 mm
  - Depth: 1.5~28.0 cm
  - Physical Footprint: 23.4 mm*19.2mm
  - Footprint: 23.8 mm*9.1 mm
  - B-mode Frequencies: 3.0~7.0,4.0~9.0, 5.0~12.0 MHz
  - Harmonic Frequencies: 8, 9, 10MHz
  - Color Frequencies: 4.4, 5.0, 5.3MHz HR Flow: 5.5 MHz
  - PW Frequencies: 4.4, 5.0, 5.3 MHz
  - Biopsy Guide: NGB-048, single angle, reusable;

- CB10-4s
  - Application: Urology
  - Advanced Function: iScape View, Free Xros M
  - Bandwidth: 2.6-12.8 MHz
  - Number of Elements: 128
  - FOV (max): 205°
  - Convex Radius: 9mm
  - Depth: 1.5-28.0 cm
  - Physical Footprint: 22.5 mm * 20.1 mm
  - Footprint: 20.1 mm * 9 mm
  - B-mode Frequencies: 2.6-6.5, 3.2-7.9, 4.7-12.8 MHz
  - Harmonic Frequencise: 7.0, 8.0, 9.0 MHz
  - Color Frequencies: 4.4, 5.0, 5.0 MHz HR Flow: 5.0 MHz
  - PW Frequencies: 4.4, 5.0, 5.7 MHz
  - Biopsy Guide: NGB-004, single angle, reusable; NGB-045, single angle, reusable

9.2 Linear array transducer

- L13-3N
  - Application: Abdominal, Pediatric,Small Organ, Musculo-skeletal, Vascular, Nerve, Thoracic/Pleural
  - Advanced Function: iScape View, Free Xros M, Smart 3D, Contrast Imaging (Small Parts, Vascular), Strain Elastography (Small Parts, Musculo-skeletal, Vascular), STE&STQ (Small Parts, Musculo-skeletal, Vascular)
  - Bandwidth: 3.0-13.0 MHz
  - Number of Elements: 192
  - FOV (max) Non-extended: 3.8cm Extended: 40°
  - Steered Angle: B: -12°, -6°, 0°, 6°, 12° Color/PW: -30°-30°
  - Depth: 1-35.0 cm
  - Physical Footprint: 56.8 mm*21.2 mm
  - Footprint: 43.5 mm*8.2 mm
  - B-mode Frequencies: 3.0-9.3, 5.4-11.2, 6.6-13.0 MHz
  - Harmonic Frequencies: 9, 10, 11, 11.5, 12 MHz
  - Color Frequencies: 3.8, 4.0, 5.0, 6.2, 6.5 MHz HR Flow: 7.3 MHz
  - PW Frequencies: 3.8, 4.0, 5.0, 6.2, 6.5 MHz
  - Biopsy Guide: NGB-052, multi angle, reusable; NGB-053, multi angle, reusable
- L9-3
  - Application: Abdominal, Obstetrics, Pediatric, Small Organ,Cephalic, Musculo-skeletal, Vascular, Nerve
  - Advanced Function: iScape View, Free Xros M, Smart 3D, Contrast Imaging (Small Parts, Vascular), Strain Elastography (Small Parts,

Musculo-skeletal, Vascular), STE&STQ (Small Parts, Musculo-skeletal, Vascular)
- Bandwidth: 2.5-9.0 MHz
- Number of Elements: 192
- FOV (max)
  Non-extended: 4.37cm
  Extended: 40°
- Steered Angle:
  B: -12°, -6°, 0°, 6°, 12°
  Color/PW: -30°-30°
- Depth: 1.5-35.0 cm
- Physical Footprint: 62 mm*22 mm
- Footprint: 48 mm*11 mm
- B-mode Frequencies: 2.5-7.0, 3.4-8.2, 3.6-9.0 MHz
- Harmonic Frequencies: 4.5, 5.0, 7.0 MHz
- Color Frequencies: 3.0, 3.6, 5.0MHz
  HR Flow: 7.3 MHz
- PW Frequencies: 3.0, 3.6, 5.0 MHz
- Biopsy Guide: NGB-034, multiangle, reusable

- L16-4Hs
- Application: Musculo-skeletal, Nerve, Small Organ, Vascular, Pediatric, Intra-operative, Cephalic
- Advanced Function: iScape View, Free Xros M, Smart 3D, Contrast Imaging (Small Parts), Strain Elastography (Small Parts, Musculo-skeletal)
- Bandwidth: 3.5-16 MHz
- Number of Elements: 128
- FOV (max)
  Non-extended: 2.53cm
  Extended: 40°
- Steered Angle:
  B: -12°, -6°, 0°, 6°, 12°
  Color/PW: -10°~10°
- Depth: 1.5~35.0 cm
- Physical Footprint: 11.5 mm*38mm
- Footprint: 28.7 mm*5.5 mm
- B-mode Frequencies: 3.5~9.3, 5.4~11.2, 9.6~16 MHz
- Harmonic Frequencies: 10, 11, 12 MHz
- Color Frequencies: 5.0, 6.2, 7.3 MHz
  HR Flow: 6.2 MHz
- PW Frequencies: 5.0, 6.2, 7.3 MHz
- Biopsy Guide: Not available

- L14-3W
- Application:Abdominal, Pediatric, Small Organ, Musculo-skeletal, Vascular, Nerve, Thoracic/Pleural
- Advanced Function: iScape View, Free Xros M, Smart 3D, Contrast Imaging (Small Parts, Vascular), Strain Elastography (Small Parts, Musculo-skeletal, Vascular), STE&STQ (Small Parts, Musculo-skeletal, Vascular)
- Bandwidth: 3.0-14.0 MHz
- Number of Elements: 256
- FOV(max)
  Non-extended: 5.8cm
  Extended: 20°
- Steered Angle:
  B: -12°, -6°, 0°, 6°, 12°
  Color: -20°-20°
  PW: -30°-30°
- Depth: 1.5~35.0 cm
- Physical Footprint: 66.8 mm*25.5 mm
- Footprint: 55.5 mm*8.2 mm
- B-mode Frequencies: 3.0~9.0, 5.0~12.0, 6.0~14.0 MHz
- Harmonic Frequencies: 10.0, 11.0, 11.5, 12.0 MHz
- Color Frequencies: 5.0, 6.2, 7.2 MHz
  HR Flow: 8.3 MHz
- PW Frequencies: 5.0, 6.2, 7.2 MHz
- Biopsy Guide: NGB-054, multi angle, reusable

- L20-5s
- Application:Abdominal,Pediatric,Small Organ, Musculo-skeletal, Vascular, Nerve
- Advanced Function: iScape View,

Free Xros M, Smart 3D, Contrast Imaging (Small Parts), Strain Elastography (Small Parts, Musculo-skeletal), STE&STQ (Small Parts, Musculo-skeletal)

- Bandwidth: 6.0-23.0 MHz
- Number of Elements: 192
- FOV(max)

  Non-extended: 2.85 cm

  Extended: 20°
- Steered Angle:

  B: -12°, -6°, 0°, 6°, 12°

  Color/PW: -20°-20°
- Depth: 1.5-35.0 cm
- Physical Footprint: 42.23 mm * 22.10 mm
- Footprint: 31.5 mm * 4.5 mm
- B-mode Frequencies: 6.0-13.0, 9.0-16.6, 12.5-23.0 MHz
- Harmonic Frequencies: 14.0, 16.0, 18.0 MHz
- Color Frequencies: 8.9, 11.4, 13.3 MHz

  HR Flow: 8.9 MHz
- PW Frequencies: 8.9, 10.0, 13.3 MHz
- Biopsy Guide: Not available

9.3 Phased array transducer

- SP5-1N (Single Crystal)
  - Application: Abdominal, Gynecology, Obstetrics, Cardiac,Pediatric, Vascular, Thoracic/ Pleural, Cephalic
  - Advanced Function: CW, iScape View, Free Xros M, Free Xros CM,Color M, Smart 3D, Contrast Imaging (Cardiac), TDI (Cardiac),Stress Echo (Cardiac), Tissue Tracking QA (Cardiac)
  - Bandwidth: 1.0-5.0 MHz
  - Number of Elements: 64
  - FOV (max): 90°
  - Depth: 2.0~38.0 cm
  - Physical Footprint: 38.2 mm*30.4mm
  - Footprint: 24 mm*15.4 mm
  - B-mode Frequencies: 1.5~2.5,2.5~3.5, 3.5~4.5 MHz
  - Harmonic Frequencies: 3.4, 3.8, 3.8, 4.2, 4.2 MHz
  - Color Frequencies: 1.9, 2.0, 2.3, 2.5, 2.6 MHz

    HR Flow: 2.5 MHz

    TDI: 3.0, 3.8 MHz
  - PW Frequencies: 1.9, 2.0, 2.3, 2.5, 2.6 MHz

    TDI: 2.5, 4.0 MHz
  - CW Frequencies: 2.0 MHz
  - Biopsy Guide: NGB-011, multi angle, reusable
- P8-2
  - Application: Abdominal, Pediatric, Cardiac, Cephalic
  - Advanced Function: CW, iScape View, Free Xros M, Free Xros CM, Color M, Smart 3D, TDI (Cardiac), Stress Echo (Cardiac), Tissue Tracking QA (Cardiac)
  - Bandwidth: 2.3-8.0 MHz
  - Number of Elements: 96
  - FOV (max): 90°
  - Depth: 2.0-38.0 cm
  - Physical Footprint: 30.5mm*23.2mm
  - Footprint: 19.5mm*11mm
  - B-mode Frequencies: 2.3-5.4, 2.8-7.4, 4.2-8.0 MHz
  - Harmonic Frequencies: 5, 6, 7 MHz
  - Color Frequencies: 2.7, 3.3, 4.0 MHz

    HR Flow: 2.5 MHz

    TDI: 3.0, 3.8 MHz
  - PW Frequencies: 2.7, 3.3, 4.0 MHz

    TDI: 5.0, 6.0 MHz

    CW: 2.5 MHz

    Biopsy Guide: not available

- P10-4
  - Application: Abdominal, Pediatric, Cardiac, Nerve, Cephalic
  - Advanced Function: CW, iScape View, Free Xros M, Free Xros CM, Color M, Smart 3D, TDI (Cardiac), Stress Echo (Cardiac), Tissue Tracking QA (Cardiac)
  - Bandwidth: 3.0-11.4 MHz
  - Number of Elements: 128
  - FOV (max): 90°
  - Depth: 2.0-38.0 cm
  - Physical Footprint: 15.1mm*10.2mm
  - Footprint: 15mm*9.1mm
  - B-mode Frequencies: 3.0-6.8, 3.8-10.2, 4.6-11.4 MHz
  - Harmonic Frequencise: 7.5, 8.0, 9.0 MHz
  - Color Frequencies: 4.0, 5.0, 5.3 MHz
    HR Flow: 6.3 MHz
    TDI: 5.7, 6.2 MHz
  - PW Frequencies: 4.0, 5.0, 5.3MHz
    TDI: 5.0, 5.7 MHz
    CW: 5.0 MHz
  - Biopsy Guide: not available

- P8-2Ts
  - Application: Cardiac
  - Advanced Function: CW, Free XrosM, Free Xros CM, Color M, TDI
  - Bandwidth: 2.3-7.2MHz
  - Number of Elements: 64
  - FOV (max): 90°
  - Depth: 2.0-38.0cm
  - Physical Footprint: 14mm*12mm
  - Footprint: 10.6mm*10.6mm
  - B-mode Frequencies: 2.3-5.4, 2.8-6.4, 3.3-7.2 MHz
  - Harmonic Frequencies: 6.0, 6.5, 7.0MHz
  - Color Frequencies: 2.7, 3.3, 4.0MHz
    HR Flow 2.5 MHz
    TDI: 5.0, 6.2 MHz
  - PW Frequencies: 2.7, 3.3, 4.0 MHz
    TDI: 2.5, 5.0 MHz
    CW: 2.5 MHz
  - Biopsy Guide: not available

9.4 4D Volume transducer

- DE11-3
  - Application: Obstetrics, Gynecology, Urology
  - Advanced Function: iScape View,Free Xros M, Color M, 3D/4D, Contrast Imaging (Including Volume CEUS) (Gynecology, Urology), Strain Elastography (Gynecology, Urology)
  - Bandwidth: 2.0-9.0 MHz
  - Number of Elements: 128
  - FOV (max): 174°
  - Volume Sweep Angle (max): 90°
  - Convex Radius: 11 mm
  - Depth: 4.0~40.0 cm
  - Physical Footprint: 24.9 mm*21.8mm
  - Footprint: 24 mm*9 mm
  - B-mode Frequencies: 2.0~6.0, 2.8~8.2, 3.0~9.0 MHz
  - Harmonic Frequencies: 4, 5, 6 MHz
  - Color Frequencies: 4.4, 5.0, 5.7 MHz
    HR Flow: 5.0 MHz
  - PW Frequencies: 4.4, 5.0, 5.7 MHz
  - Biopsy Guide: NGB-027, single angle, reusable

- SD8-1 (Single Crystal)
  - Application: Obstetrics, Gynecology, Abdominal
  - Advanced Function: iScape View,Free Xros M, Color M, 3D/4D
  - Bandwidth: 1.8-8.2 MHz
  - Number of Elements: 192
  - FOV (max): 92°
  - Volume Sweep Angle (max): 85°
  - Convex Radius: 45 mm
  - Depth: 4.0~40.0 cm
  - Physical Footprint: 75.7 mm*52.6mm
  - Footprint: 54.5 mm*14.9 mm
  - B-mode Frequencies: 1.8~5.4, 2.3~6.8, 2.8~8.2 MHz
  - Harmonic Frequencies: 4, 5, 5.5, 6 MHz
  - Color Frequencies: 3.0, 3.5, 4.0 MHz
    HR Flow: 3.5 MHz
  - PW Frequencies: 3.0, 3.5, 3.8 MHz
  - Biopsy Guide: NGB-039, multi angle, reusable
- D7-2
  - Application: Obstetrics, Gynecology, Abdominal
  - Advanced Function: iScape View,Free Xros M, Color M, 3D/4D
  - Bandwidth: 1.8-8.2 MHz
  - Number of Elements: 128
  - FOV (max): 95°

- Volume Sweep Angle (max): 70°
- Convex Radius: 40 mm
- Depth: 4.0~40.0 cm
- Physical Footprint: 74 mm*49 mm
- Footprint: 49 mm*14.15 mm
- B-mode Frequencies: 1.8~5.4, 2.3~6.8, 2.8~8.2 MHz
- Harmonic Frequencies: 4, 5, 5.5, 6MHz
- Color Frequencies: 2.4, 2.5, 3.0, 3.0, 3.2 MHz
  HR Flow: 3.5 MHz
- PW Frequencies: 2.4, 2.5, 3.0, 4.0, 4.2 MHz
- Biopsy Guide: not available

9.5 Pencil transducer

- CW5s
  - Application: Vascular, Cephalic, Pediatric
  - Advanced Function: CW
  - Number of Elements: 2
  - Biopsy Guide: not available
- CW2s
  - Application: Cardiac, Cephalic, Pediatric
  - Advanced Function: CW
  - Number of Elements: 2
  - Biopsy Guide: not available

9.6 Bi-plane

ELC10-4

- Application: Urology
- Bandwidth:
  - Convex: 3.0-11.0 MHz
  - Linear: 2.6-12.8 MHz
- Number of Elements: 128
- Field of View (max): 66mm (L); 164° (C)
- Steered Angle (Linear)
  - B: -12°, -6°, 0°, 6°, 12°
  - Color: -5°-5°
  - PW: -30°-30°
- Convex Radius: 10 mm
- Depth: 1.8~29.6 cm(C), 1.5-35cm(L)
- Physical Footprint: 20.6mm x 20.6mm (L); 21.9mm x 21.9mm (C)
- Footprint: 72mm x 11mm (L); 21.92mm x11.2mm (C)
- B-mode Frequencies:
- Convex: 3.0-6.0, 4.5-7.5, 5.5-11.0 MHz
- Linear: 2.6-6.5, 3.2-7.9, 4.7-12.8 MHz
- Harmonic Frequencies: 7.0 8.0, 9.0 MHz
- Doppler Frequencies: 4.0, 5.0, 5,7 MHz
  HR Flow
- Convex: 5.0 MHz
- Linear: 5.7MHz
- PW Frequencies: 4.0, 5.0, 5,7 MHz
- Biopsy Guide: NGB-009, multi angle, reusable

10 Peripheral Devices and Accessories

10.1 Black/white video printer (digital)

- MITSUBISHI P95DW-N
- SONY UP-D898MD

10.2 Black/white video printer (Digital & Analog)

SONY UP-X898MD

10.3 Color digital video printer

SONY UP-D25MD

10.4 Graph/text printer

- CANON TS708
- Epson L130
- HP 8100(CM752A)
- HP 7000(C9299A)
- Epson L805
- Epson L3256
- Epson L8058
- Epson L3218
- HP DeskJet 2029
- HP DeskJet 1112
- Canon G580
- Canon G1830
- Canon G2830

10.5 Gel warmer

- Easily be disassembled off system for cleaning
- Temperature with 4 levels: off/34°C/ 37°C/40°C, with deviation of ±1°C
- Light indicator for temperature protecting
- Dimension: 82(D)*78(W)*119(H) mm
- Weight: approx. 240g (net)
- Continuous operation time: >12h

10.6 Footswitch

- USB port: FS-81-SP-2(single pedal),971-SWNOM (2/3-pedal)
- Support User-definable functions

10.7 ECG

- 12-pin, AHA/IEC, for 3-lead wires
- ECG wave display: On/Off
- ECG source: Lead/External
- Position: 0-100%, 5%/step
- Trig mode: off/single/dual/timer
- Gain: 0-30, 1/step
- Sweep speed: 25mm/s, 35mm/s, 50mm/s, 65mm/s, 100mm/s, 200mm/s
- Invert: On/Off

10.8 PCG (not for sale in EU countries)

- PCG wave display: On/Off
- Gain: 0-30, 1/step
- Speed: 25mm/s, 35mm/s, 50mm/s,65mm/s, 100mm/s, 200mm/s
- Smooth: 1-4, 1/step

10.9 Barcode reader

- SYMBOL LS2208 (1D)
- SYMBOL DS4608 (2D)
- JADAK HS-1M
- JADAK HS-1R

10.10 Built-in Wi-Fi 5 Wireless adapter

- Encryption: WPA, WPA2
- Protocols: IEEE 802.11 ac/a/b/g/n
- Frequency: 2.4G/5G

10.11 iVocal Microphone

SAMSON XPD2

10.12 Built-in Battery

- Replaceable and rechargeable lithium battery
- Full battery lasts for more than 24h instandby mode
- Battery fully-recharged time: less than 4h (Under power off or standby status)
- Continuous scanning time: more than 1h

10.13 Probe adapter

PCM-SA01: transforming S socket to A socket, only for L16-4Hs and P8-2Ts

11 System Inputs and Outputs

11.1 Video output

- S-Video out: 1 port, PAL/NTSC
- HDMI: 1 Port
- VGA out: 1 port

11.2 Physio input

- Support ECG/PCG signal
- ECG module: 1 port

11.3 Other input/output

- USB: 6 ports (2 USB 3.0 and 4 USB 2.0)
- Ethernet: 1 port, 10M/100M/1000M adaption
- Remote port: 1 port

12 Safety and Conformance

12.1 Quality standards

- ISO 9001
- ISO 13485

12.2 Design standards

- EN 60601-1 and IEC 60601-1
- EN 60601-1-2 and IEC 60601-1-2
- EN 60601-1-6 and IEC 60601-1-6
- EN 60601-2-37 and IEC60601-2-37
- EN 62304 and IEC 62304
- EN 62366 and IEC 62366
- EN ISO 17664 and ISO 17664

12.3 CE declaration

The ultrasound system is fully in conformance with the Regulation (EU) 2017/745 of the European Parliament. The number adjacent to the CE marking (0123) isthe code of the EU-notified body that certified meeting the requirements of Annex IX excluding CHAPTER II of the Directive.

NOTICE:

Not all features or specifications described in this document may beavailable in all transducers and/or modes.

Mindray reserves the right to make changes in specifications and featuresshown herein, or discontinue the product at any time without notice or obligation. Contact Mindray Representative for the most current information.

13 Appendix

13.1 Generic measurements

B-Mode

Depth Distance

Ellipse

Trace

Spline

Cross

Angle (2 Lines)

Angle (3 Points)

Double Dist

Trace Len

Trace Len(Spline)

Parallel

Distance P-L

IMT

B-Profile

B-ist(Ellipse)

B-Hist(Trace)

B-Hist(Spline)

B-Hist(Rectangle)

Color Vel

Strain Hist

Elas. Hist

Color Vel Profile

Elas.

Strain

TSM

Color Pixel Percent(Ellipse)

Color Pixel Percent(Trace)

Color Pixel Percent(Rectangle)

Color Pixel Percent(Recall)

Smart Trace

Smart Calc

Volume Volume(Ellipse)Volume(E+Dist.)

Ratio(D)

B Ratio

Volume Volume

Volume(Ellipse), Volume(E+Dist.)

Ratio(A), Area,1Area2

Directional Ratio - D1, D2

RAC

Sag, XS

Volume Flow

Vas Area

TAMEAN

TAMAX

Elas. Ratio

A

B

Strain Ratio

A

B

- M-Mode

HR

HR(R-R)

Slope, Distance, Time, Velocity

- D-Mode

PS

ED, PS/ED

Vel HR

HR(R-R)

Time

Auto Trace, Manual Trace, Spline Trace

Acceleration

Ratio(Vel), Ratio(VTI)

Volume Flow - Vas Area, TAMEAN, TAMAX

13.2 Auto Calc

PS, ED, MD, PPG,

TAMAX,

Vol Flow(TAMAX), TAMEAN

Vol Flow(TAMEAN),

Vas Diam, Vas Area, DT

MPG, MMPG, VTI, AT

S/D, D/S, PI, RI, PV, HR

13.3 Clinical option measurement package

- Abdomen B-Mode
  - Aorta Bif
  - Aorta Aneurysm Status
  - Shunt Diam
  - Portal V Diam
  - M Portal V Diam
  - Splenic V Diam
  - PS Conflnc Diam
  - Renal V Diam
  - SMV Diam
  - IMV Diam
  - CHD
  - GB L
  - GB H

- GB W
- GB wall th
- Cystic Duct
- CBD
- Panc duct
- Panc head
- Panc neck
- Panc body
- Panc tail
- Appendix
- Appendix Wall
- Pylorus
- Pylorus Wall
- Renal L
- Renal H
- Renal W
- Cortex
- Adrenal L
- Adrenal H
- Adrenal W
- Ureter
- Cortex(Renal Transplant1)
- Renal V Diam(Renal Transplant1)
- Ureter Diam(Renal Transplant1)
- Cortex(Renal Transplant2)
- Renal V Diam(Renal Transplant2)
- Ureter Diam(Renal Transplant2)
- Pre-BL L
- Pre-BL H
- Pre-BL W
- Post-BL L
- Post-BL H
- Post-BL W
- Spleen L
- Spleen H
- Spleen W
- Spleen Area
- Skin-L.Capsule Dist.
- Hepatic Lesion1 Elas.
- Hepatic Lesion2 Elas.
- Hepatic Lesion3 Elas.
- LSM
- Rt DT(Insp)
- Rt DT(Expir)
- Lt DT(Insp)
- Lt DT(Expir)
- Free Fluid
- Smart HRI
- ----------
- Renal Vol
- Pre-BL Vol
- Post-BL Vol
- Mictur.Vol
- ----------
- Aorta
  - Anterior-Posterior
  - Transverse
  - Outer Diameter
  - Inner Diameter
  - Outer Area
  - Inner Area
- Celiac Axis
  - Anterior-Posterior
  - Transverse
- SMA
  - Anterior-Posterior
  - Transverse
- C Hepatic A
  - Anterior-Posterior
  - Transverse
- Proper Hepatic A
  - Anterior-Posterior
  - Transverse
- Hepatic A
  - Anterior-Posterior
  - Transverse
- Splenic A
  - Anterior-Posterior
  - Transverse
- GDA
  - Anterior-Posterior
  - Transverse
- IMA
  - Anterior-Posterior
  - Transverse
- Aorta Aneurysm
  - Long
  - Anterior-Posterior
  - Transverse
- Celiac A Aneurysm
  - Long
  - Anterior-Posterior
  - Transverse
- SMA Aneurysm
  - Long
  - Anterior-Posterior

- Transverse
- C Hepatic A Aneurysm
- Long
- Anterior-Posterior
- Transverse
- Proper Hepatic A Aneurysm
- Long
- Anterior-Posterior
- Transverse
- Hepatic A Aneurysm
- Long
- Anterior-Posterior
- Transverse
- Splenic A Aneurysm
- Long
- Anterior-Posterior
- Transverse
- GDA Aneurysm
- Long
- Anterior-Posterior
- Transverse
- IMA Aneurysm
- Long
- Anterior-Posterior
- Transverse
- EVAR Residual Aneurysm Sac(2D)
- Anterior-Posterior
- Transverse
- EVAR Inflow(2D)
- Anterior-Posterior
- Transverse
- EVAR Graft Body(2D)
- Anterior-Posterior
- Transverse
- EVAR Limb(2D)
- Anterior-Posterior
- Transverse
- EVAR Outflow(2D)
- Anterior-Posterior
- Transverse
- Aortic Bypass Graft Anast(2D)
- Anterior-Posterior
- Transverse
- Aortic Bypass Graft Graft(2D)
- Anterior-Posterior
- Transverse
- ABD Stenosis 1(2D)
- Anterior-Posterior
- Transverse
- Outer Diameter
- Inner Diameter
- Outer Area
- Inner Area
- ABD Stenosis 2(2D)
- Anterior-Posterior
- Transverse
- Outer Diameter
- Inner Diameter
- Outer Area
- Inner Area
- ABD Stenosis 3(2D)
- Anterior-Posterior
- Transverse
- Outer Diameter
- Inner Diameter
- Outer Area
- Inner Area
- ABD Stenosis 4(2D)
- Anterior-Posterior
- Transverse
- Outer Diameter
- Inner Diameter
- Outer Area
- Inner Area
- IVC
- Anterior-Posterior
- Transverse
- Checklist
- Hepatic V(2D)
- Anterior-Posterior
- Transverse
- Lt Hepatic V(2D)
- Anterior-Posterior
- Transverse
- M Hepatic V(2D)
- Anterior-Posterior
- Transverse
- Rt Hepatic V(2D)
- Anterior-Posterior
- Transverse
- Liver
- L
- H
- W
- R Liver Lobe
- L

- H
- W
- L Liver Lobe
- L
- H
- W
- Hepatic Lesion 1
- d1
- d2
- d3
- Hepatic Lesion 2
- d1
- d2
- d3
- Hepatic Lesion 3
- d1
- d2
- d3
- Hepatic Cyst 1
- d1
- d2
- d3
- Hepatic Cyst 2
- d1
- d2
- d3
- Hepatic Cyst 3
- d1
- d2
- d3
- GB
- GB L
- GB H
- GB W
- GB wall th
- GB Finding 1
- d1
- d2
- d3
- GB Finding 2
- d1
- d2
- d3
- GB Finding 3
- d1
- d2
- d3
- GB Finding 4
- d1
- d2
- d3
- GB Finding 5
- d1
- d2
- d3
- Panc Finding 1
- d1
- d2
- d3
- Panc Finding 2
- d1
- d2
- d3
- Panc Finding 3
- d1
- d2
- d3
- Panc Finding 4
- d1
- d2
- d3
- Panc Finding 5
- d1
- d2
- d3
- Kidney
- Renal L
- Renal H
- Renal W
- Cortex
- Adrenal
- Adrenal L
- Adrenal H
- Adrenal W
- Renal Lesion 1
- d1
- d2
- d3
- Renal Lesion 2
- d1
- d2
- d3
- Renal Lesion 3
- d1
- d2
- d3

- Renal Cyst 1
  - d1
  - d2
  - d3
- Renal Cyst 2
  - d1
  - d2
  - d3
- Renal Cyst 3
  - d1
  - d2
  - d3
- Kidney(Superior)
  - H
  - W
- Kidney(Mid)
  - H
  - W
- Kidney(Inferior)
  - H
  - W
- Renal A
  - Long
  - Anterior-Posterior
  - Transverse
- Renal A Aneurysm
  - Long
  - Anterior-Posterior
  - Transverse
- Kidney(Renal Transplant1)
  - L
  - H
  - W
- Adrenal(Renal Transplant1)
  - L
  - H
  - W
- Finding 1(Renal Transplant1)
  - L
  - H
  - W
- Finding 2(Renal Transplant1)
  - L
  - H
  - W
- Finding 3(Renal Transplant1)
  - L
  - H
  - W
- Finding 4(Renal Transplant1)
  - L
  - H
  - W
- Finding 5(Renal Transplant1)
  - L
  - H
  - W
- Finding 6(Renal Transplant1)
  - L
  - H
  - W
- Renal Transplant 1(2D)
  - Cortex(Renal Transplant1)
  - Renal V Diam(Renal Transplant1)
  - Ureter Diam(Renal Transplant1)
  - Kidney(Renal Transplant1)
    - L
    - H
    - W
  - Adrenal(Renal Transplant1)
    - L
    - H
    - W
  - Finding 1(Renal Transplant1)
    - L
    - H
    - W
  - Finding 2(Renal Transplant1)
    - L
    - H
    - W
  - Finding 3(Renal Transplant1)
    - L
    - H
    - W
  - Finding 4(Renal Transplant1)
    - L
    - H
    - W
  - Finding 5(Renal Transplant1)
    - L
    - H
    - W
  - Finding 6(Renal Transplant1)
    - L
    - H

- W
- Kidney(Renal Transplant2)
- L
- H
- W
- Adrenal(Renal Transplant2)
- L
- H
- W
- Finding 1(Renal Transplant2)
- L
- H
- W
- Finding 2(Renal Transplant2)
- L
- H
- W
- Finding 3(Renal Transplant2)
- L
- H
- W
- Finding 4(Renal Transplant2)
- L
- H
- W
- Finding 5(Renal Transplant2)
- L
- H
- W
- Finding 6(Renal Transplant2)
- L
- H
- W
- Renal Transplant 2(2D)
- Cortex(Renal Transplant2)
- Renal V Diam(Renal Transplant2)
- Ureter Diam(Renal Transplant2)
- Kidney(Renal Transplant2)
- L
- H
- W
- Adrenal(Renal Transplant2)
- L
- H
- W
- Finding 1(Renal Transplant2)
- L
- H
- W
- Finding 2(Renal Transplant2)
- L
- H
- W
- Finding 3(Renal Transplant2)
- L
- H
- W
- Finding 4(Renal Transplant2)
- L
- H
- W
- Finding 5(Renal Transplant2)
- L
- H
- W
- Finding 6(Renal Transplant2)
- L
- H
- W
- **Bladder**
- Pre-BL L
- Pre-BL H
- Pre-BL W
- Post-BL L
- Post-BL H
- Post-BL W
- **Spleen**
- Spleen L
- Spleen H
- Spleen W
- Spleen Area
- Hepatic Lesion1 ElasRatio
- A
- B
- Hepatic Lesion2 ElasRatio
- A
- B
- Hepatic Lesion3 ElasRatio
- A
- B
- Smart Bladder
- XS Bladder
- Sag Bladder

M-Mode

- Rt DT(Insp M)
- Rt DT(Expir M)

- Lt DT(Insp M)
- Lt DT(Expir M)
- RDE(QB)
- RDE(DB)
- LDE(QB)
- LDE(DB)

D-Mode

- Aorta
- Celiac Axis
- SMA
- C Hepatic A
- Proper Hepatic A
- Hepatic A
- Splenic A
- GDA
- IMA
- Aorta(Post)
- Celiac Axis(Post)
- SMA(Post)
- C Hepatic A(Post)
- Proper Hepatic A(Post)
- Hepatic A(Post)
- Splenic Artery(Post)
- GDA(Post)
- IMA(Post)
- EVAR Residual Aneurysm Sac
- EVAR Inflow
- EVAR Graft Body
- EVAR Limb
- EVAR Outflow
- Aortic Bypass Graft Anast
- Aortic Bypass Graft Graft
- IVC Reflux
- IVC
- Hepatic V
- Lt Hepatic V
- M Hepatic V
- Rt Hepatic V
- Portal V
- M Portal V
- Splenic V
- Renal V
- SMV
- IMV
- Hepatic A Anast(Liver Transplant)
- Hepatic V Anast(Liver Transplant)
- Portal V Anast(Liver Transplant)
- IVC(Liver Transplant)
- Hep V Confl(Liver Transplant)
- Donor IVC(Liver Transplant)
- Renal A
- Ren A Org
- M Renal A
- Renal A1
- Renal A2
- Hilum
- Interlobar A
- Arcuate A
- Segment A
- Artery Anast(Renal Transplant1)
- Artery Anast 2(Renal Transplant1)
- Vein Anast(Renal Transplant1)
- Vein Anast 2(Renal Transplant1)
- Renal A(Renal Transplant1)
- Renal A1(Renal Transplant1)
- Renal A2(Renal Transplant1)
- Hilum(Renal Transplant1)
- Interlobar A(Renal Transplant1)
- Arcuate A(Renal Transplant1)
- Segmental A(Renal Transplant1)
- Renal Vein 1(Renal Transplant1)
- Renal Vein 2(Renal Transplant1)
- Artery Anast(Renal Transplant2)
- Artery Anast 2(Renal Transplant2)
- Vein Anast(Renal Transplant2)
- Vein Anast 2(Renal Transplant2)
- Renal A(Renal Transplant2)
- Renal A1(Renal Transplant2)
- Renal A2(Renal Transplant2)
- Hilum(Renal Transplant2)
- Interlobar A(Renal Transplant2)
- Arcuate A(Renal Transplant2)
- Segmental A(Renal Transplant2)
- Renal Vein 1(Renal Transplant2)
- Renal Vein 2(Renal Transplant2)
- TIPS
- ----------
- SMA/Ao
- CA/Ao
- ----------
- ABD Stenosis 1
- Pre Sten
- Sten
- Post Sten
- ABD Stenosis 2
- Pre Sten

- Sten
- Post Sten
- ABD Stenosis 3
- Pre Sten
- Sten
- Post Sten
- ABD Stenosis 4
- Pre Sten
- Sten
- Post Sten
- Renal Transplant 1(Doppler)
- Artery Anast(Renal Transplant1)
- Artery Anast 2(Renal Transplant1)
- Vein Anast(Renal Transplant1)
- Vein Anast 2(Renal Transplant1)
- Renal A(Renal Transplant1)
- Renal A1(Renal Transplant1)
- Renal A2(Renal Transplant1)
- Hilum(Renal Transplant1)
- Interlobar A(Renal Transplant1)
- Arcuate A(Renal Transplant1)
- Segmental A(Renal Transplant1)
- Renal Vein 1(Renal Transplant1)
- Renal Vein 2(Renal Transplant1)
- Renal Transplant 2(Doppler)
- Artery Anast(Renal Transplant2)
- Artery Anast 2(Renal Transplant2)
- Vein Anast(Renal Transplant2)
- Vein Anast 2(Renal Transplant2)
- Renal A(Renal Transplant2)
- Renal A1(Renal Transplant2)
- Renal A2(Renal Transplant2)
- Hilum(Renal Transplant2)
- Interlobar A(Renal Transplant2)
- Arcuate A(Renal Transplant2)
- Segmental A(Renal Transplant2)
- Renal Vein 1(Renal Transplant2)
- Renal Vein 2(Renal Transplant2)

• Gynecology

B-Mode

- UT L
- UT H
- UT W
- Endo
- Cervix L
- Cervix H
- Cervix W
- Ovary L
- Ovary H
- Ovary W
- Follicle1 L
- Follicle1 W
- Follicle1 H
- Follicle2 L
- Follicle2 W
- Follicle2 H
- Follicle3 L
- Follicle3 W
- Follicle3 H
- Follicle4 L
- Follicle4 W
- Follicle4 H
- Follicle5 L
- Follicle5 W
- Follicle5 H
- Follicle6 L
- Follicle6 W
- Follicle6 H
- Follicle7 L
- Follicle7 W
- Follicle7 H
- Follicle8 L
- Follicle8 W
- Follicle8 H
- Follicle9 L
- Follicle9 W
- Follicle9 H
- Follicle10 L
- Follicle10 W
- Follicle10 H
- Follicle11 L
- Follicle11 W
- Follicle11 H
- Follicle12 L
- Follicle12 W
- Follicle12 H
- Follicle13 L
- Follicle13 W
- Follicle13 H
- Follicle14 L
- Follicle14 W
- Follicle14 H
- Follicle15 L
- Follicle15 W

- Follicle15 H
- Follicle16 L
- Follicle16 W
- Follicle16 H
- DWT
- BSD(R)
- BSD(Va)
- RVA(R)
- RVA(Va)
- UTA(R)
- UTA(Va)
- URA
- PVA(R)
- PVA(Va)
- PUA(R)
- PUA(Va)
- BPW-SP Dist.(R)
- BPW-SP Dist.(Va)
- Cx-SP Dist.(R)
- Cx-SP Dist.(Va)
- RA-SP Dist.(R)
- RA-SP Dist.(Va)
- Shuttle(R)
- Shuttle(Va)
- Rectocele Depth
- Intus. Depth
- ARA(R)
- ARA(Va)
- ARA(C)
- LH AP Diam(R)
- LH AP Diam(Va)
- LH AP Diam(C)
- LH Lateral Diam(R)
- LH Lateral Diam(Va)
- LH Lateral Diam(C)
- LH Area(R)
- LH Area(Va)
- LH Area(C)
- LA Angle(R)
- LA Angle(Va)
- LA Angle(C)
- LA Thickness(R)
- LA Thickness(Va)
- LA Thickness(C)
- LUG(R)
- LUG(Va)
- LUG(C)
- GYN Lesion1 Strain
- GYN Lesion2 Strain
- GYN Lesion3 Strain
- Lesion1 Elas.
- Lesion2 Elas.
- Lesion3 Elas.
- Fibroid1 Strain
- Fibroid2 Strain
- Fibroid3 Strain
- Fibroid1 Elas.
- Fibroid2 Elas.
- Fibroid3 Elas.
- ----------
- UT Vol
- UT SUM
- UT-L/CX-L
- Ovary Vol
- Follicle1
- Follicle2
- Follicle3
- Follicle4
- Follicle5
- Follicle6
- Follicle7
- Follicle8
- Follicle9
- Follicle10
- Follicle11
- Follicle12
- Follicle13
- Follicle14
- Follicle15
- Follicle16
- Mean DWT
- BND
- IAS Damage
- EAS Damage
- ----------
- Uterus
  - UT L
  - UT H
  - UT W
  - Endo
- Uterine Cervix
  - Cervix L
  - Cervix H
  - Cervix W
- Fibroid 1
  - d1

- d2
- d3
- Fibroid 2
- d1
- d2
- d3
- Fibroid 3
- d1
- d2
- d3
- Uterine Finding 1
- d1
- d2
- d3
- Uterine Finding 2
- d1
- d2
- d3
- Uterine Finding 3
- d1
- d2
- d3
- Uterine Finding 4
- d1
- d2
- d3
- Uterine Finding 5
- d1
- d2
- d3
- Uterine Finding 6
- d1
- d2
- d3
- Ovary
- Ovary L
- Ovary H
- Ovary W
- Ovarian Cyst 1
- d1
- d2
- d3
- Ovarian Cyst 2
- d1
- d2
- d3
- Ovarian Cyst 3
- d1
- d2
- d3
- Ovarian Finding 1
- d1
- d2
- d3
- Ovarian Finding 2
- d1
- d2
- d3
- Ovarian Finding 3
- d1
- d2
- d3
- Ovarian Finding 4
- d1
- d2
- d3
- Ovarian Finding 5
- d1
- d2
- d3
- Ovarian Finding 6
- d1
- d2
- d3
- Follicle1
- Follicle1 L
- Follicle1 W
- Follicle1 H
- Follicle2
- Follicle2 L
- Follicle2 W
- Follicle2 H
- Follicle3
- Follicle3 L
- Follicle3 W
- Follicle3 H
- Follicle4
- Follicle4 L
- Follicle4 W
- Follicle4 H
- Follicle5
- Follicle5 L
- Follicle5 W
- Follicle5 H
- Follicle6
- Follicle6 L

- Follicle6 W
- Follicle6 H
- Follicle7
- Follicle7 L
- Follicle7 W
- Follicle7 H
- Follicle8
- Follicle8 L
- Follicle8 W
- Follicle8 H
- Follicle9
- Follicle9 L
- Follicle9 W
- Follicle9 H
- Follicle10
- Follicle10 L
- Follicle10 W
- Follicle10 H
- Follicle11
- Follicle11 L
- Follicle11 W
- Follicle11 H
- Follicle12
- Follicle12 L
- Follicle12 W
- Follicle12 H
- Follicle13
- Follicle13 L
- Follicle13 W
- Follicle13 H
- Follicle14
- Follicle14 L
- Follicle14 W
- Follicle14 H
- Follicle15
- Follicle15 L
- Follicle15 W
- Follicle15 H
- Follicle16
- Follicle16 L
- Follicle16 W
- Follicle16 H
- GYN Lesion 1
- d1
- d2
- d3
- GYN Lesion 2
- d1
- d2
- d3
- GYN Lesion 3
- d1
- d2
- d3
- Residual Urine
- BL Height
- BL Depth
- GYN Lesion1 Strain Ratio
- A
- B
- GYN Lesion2 Strain Ratio
- A
- B
- GYN Lesion3 Strain Ratio
- A
- B
- Lesion1 Elas. Ratio
- A
- B
- Lesion2 Elas. Ratio
- A
- B
- Lesion3 Elas. Ratio
- A
- B
- Fibroid1 Strain Ratio
- A
- B
- Fibroid2 Strain Ratio
- A
- B
- Fibroid3 Strain Ratio
- A
- B
- Fibroid1 Elas. Ratio
- A
- B
- Fibroid2 Elas. Ratio
- A
- B
- Fibroid3 Elas. Ratio
- A
- B

• Obstetrics

B-Mode

- GS

- YS L
- CRL
- NT
- BPD
- OFD
- HC
- AC
- FL
- TAD
- APAD
- TCD
- CM
- IT
- LVW
- HW
- OOD
- IOD
- HUM
- Ulna
- RAD
- Tibia
- FIB
- CLAV
- Vertebrae
- MP
- Foot
- NBL
- Ear
- APTD
- TTD
- FTA
- THD
- HrtC
- TC
- Umb VD
- F-kidney L
- Mat Kidney
- Cervix L
- AF
- NF
- Orbit
- PL Thickness
- Sac Diam1
- Sac Diam2
- Sac Diam3
- AF1
- AF2
- AF3
- AF4
- LVIDd
- LVIDs
- LV Diam
- LA Diam
- RVIDd
- RVIDs
- RV Diam
- RA Diam
- IVSd
- IVSs
- IVS
- LV Area
- LA Area
- RV Area
- RA Area
- Ao Diam
- MPA Diam
- LVOT Diam
- RVOT Diam
- Facial Angle
- HrtA
- MV Diam(Z-Score)
- PV Diam(Z-Score)
- Ao Asc Diam(Z-Score)
- Ao Desc Diam(Z-Score)
- Duct Art Diam(Z-Score)
- TV Diam(Z-Score)
- LPA Diam(Z-Score)
- RPA Diam(Z-Score)
- IVC Diam(Z-Score)
- AV Diam(Z-Score)
- MPA Diam(Z-Score)
- RV Diam(Z-Score)
- LV Diam(Z-Score)
- RV Area(Z-Score)
- LV Area(Z-Score)
- RVIDd(Z-Score)
- LVIDd(Z-Score)
- UT L
- UT H
- UT W
- Endo
- AH
- PH
- 3th Ventricle
- NT Above Cord
- NT Below Cord

- Mandible
- Prenasal th
- Heart AP
- Heart T
- LV Width
- LV Length
- RV Width
- RV Length
- LA Width
- RA Width
- LVWd
- LVWs
- RVWd
- RVWs
- AV Diam
- AV Area
- PV Area
- F-kidney H
- F-kidney W
- Lung
- Stomach
- YS H
- YS W
- Amniotic Sac L
- Amniotic Sac H
- Amniotic Sac W
- Ovary Cyst L
- Ovary Cyst H
- Ovary Cyst W
- UT AW
- UT PW
- CSP
- FMF
- MMF
- Lung CCAM L
- Lung CCAM H
- Lung CCAM W
- AD
- Lliac Wing Angle
- FAGL
- FAG
- Intestinum Crassum
- Liver Length
- Rib Length
- Shoulder Blade
- ----------
- MAD
- Mean Sac Diam
- AFI
- EFW
- EFW2
- HC/AC(Campbell)
- FL/AC
- FL/BPD
- AXT
- CI
- FL/HC(Hadlock)
- AC(c)
- HC(c)
- HrtC/TC
- TCD/AC
- LVW/HW
- LVD/RVD
- LAD/RAD
- AoD/MPAD
- LAD/AoD
- UT Vol
- UT SUM
- UT-L/CX-L
- ----------
- AFI
  - AF1
  - AF2
  - AF3
  - AF4
- Uterus
  - UT L
  - UT H
  - UT W
  - Endo

M-Mode

- FHR (M)
- LVIDd
- LVIDs
- RVIDd
- RVIDs
- IVSd
- IVSs
- RVIDd(Z-Score)
- LVIDd(Z-Score)
- MVE
- TVE
- AVE
- MAPSE
- TAPSE
- LV ICT

- LV IRT
- LV ET
- RV ICT
- RV IRT
- RV ET

D-Mode

- Umb A
- Duct Veno
- Placenta A
- MCA
- Fetal Ao
- Desc Aorta
- Ut A
- Ovarian A
- FHR (Doppler)
- Asc Aorta
- RVOT
- LVOT
- MV E
- MV A
- TV E
- TV A
- MV E'
- MV A'
- MV S'
- TV E'
- TV A'
- TV S'
- AV PV
- AV VTI
- PV PV
- PV VTI
- Duct Art PV
- Duct Art VTI
- AV TPV
- PV TPV
- Duct Art TPV
- Thoracic Aorta
- Hepatic Vein
- IVC
- Umb V
- Ovary
- Endometrium
- Cervical Cancer
- Fibroid
- Duct Art
- ICA
- Celiac A
- ----------
- MV E/A
- TV E/A
- MV E/E'
- TV E/E'

• Cardiology

B-Mode

- RVAWd(2D)
- RVAWs(2D)
- RVDd(2D)
- RVDs(2D)
- IVSd(2D)
- IVSs(2D)
- LVIDd(2D)
- LVIDs(2D)
- LVPWd(2D)
- LVPWs(2D)
- Diastole(2D)
- Systole(2D)
- LVLd apical
- LVLs apical
- LVAd apical
- LVAs apical
- LVAd sax MV
- LVAs sax MV
- LVAd sax Endo
- LVAd sax Epi
- LV Major
- LV Minor
- LV Area(d)
- LV Area(s)
- HR(2D)
- RA Major
- RA Minor
- RA Area
- RA Vol(A4C)
- RAP
- RV Area(d)
- RV Area(s)
- RV Major
- RV Minor
- LA Diam(2D)
- LA Major
- LA Minor
- LA Area
- LVOT Diam
- Ao Diam(2D)
- ACS(2D)

- AV Diam
- Ao Isthmus(2D)
- Ao Sinus Diam(2D)
- Ao st junct(2D)
- AVA
- Ao Arch Diam(2D)
- Ao Asc Diam(2D)
- Ao Desc Diam(2D)
- Duct Art Diam
- Post Ductal
- Pre Ductal
- MCS(2D)
- MV Diam
- MV EPSS(2D)
- MVA
- TV Diam
- TVA
- PV Diam
- RVOT Diam
- MPA Diam(2D)
- RPA Diam(2D)
- LPA Diam(2D)
- IVC Diam(Expir)
- IVC Diam(Insp)
- SVC Diam(Expir)
- SVC Diam(Insp)
- LCA Diam
- RCA Diam
- PEd(2D)
- PEs(2D)
- VSD Diam
- ASD Diam
- PDA Diam
- PFO Diam
- AutoEF
- Rt DT(Insp)
- Rt DT(Expir)
- Lt DT(Insp)
- Lt DT(Expir)
- ----------
- LA/Ao(2D)
- ----------
- LV(2D)
  - Diastole(2D)
  - Systole(2D)
  - IVSd(2D)
  - LVIDd(2D)
  - LVPWd(2D)
  - IVSs(2D)
  - LVIDs(2D)
  - LVPWs(2D)
  - HR(2D)
- Simpson
  - A4Cd
  - A4Cs
  - A2Cd
  - A2Cs
  - HR(2D)
- Mod.Simpson
  - LVLd apical
  - LVLs apical
  - LVAd sax MV
  - LVAs sax MV
  - LVAd sax PM
  - LVAs sax PM
  - HR(2D)
- S-P Ellipse
  - LVLd apical
  - LVAd apical
  - LVLs apical
  - LVAs apical
  - HR(2D)
- B-P Ellipse
  - LVIDd(2D)
  - LVAd sax MV
  - LVIDs(2D)
  - LVAs sax MV
  - LVAd apical
  - LVAs apical
  - HR(2D)
- Bullet
  - LVLd apical
  - LVLs apical
  - LVAd sax MV
  - LVAs sax MV
  - HR(2D)
- LV Mass(Cube-2D)
  - IVSd(2D)
  - LVIDd(2D)
  - LVPWd(2D)
- LV Mass(A-L)
  - LVLd apical
  - LVAd sax Epi
  - LVAd sax Endo
- LV Mass(T-E)
  - LVAd sax Epi

- LVAd sax Endo
- a
- d
- LA Vol(Simp)
- LA Vol(A2C)
- LA Vol(A4C)
- LA Vol(A-L)
- LA apical
- LAA(A2C)
- LAA(A4C)
- MVA(VTI)
- LVOT Diam
- LVOT VTI
- MV VTI
- AVA(VTI)
- LVOT Diam
- LVOT VTI
- AV VTI
- CO(LVOT)
- LVOT Diam
- LVOT VTI
- AV HR
- CO(RVOT)
- RVOT Diam
- RVOT VTI
- PV HR
- CO(MV)
- MV Diam
- MV VTI
- MV HR
- CO(TV)
- TV Diam
- TV VTI
- TV HR
- PISA MR
- MR Rad
- MR Als Vel
- MR VTI
- PISA AR
- AR Rad
- AR Als Vel
- AR VTI
- PISA TR
- TR Rad
- TR Als Vel
- TR VTI
- PISA PR
- PR Rad
- PR Als Vel
- PR VTI
- Qp/Qs
- LVOT Diam
- LVOT VTI
- RVOT Diam
- RVOT VTI
- Z-Scores (??3Y) (2D)
- AV Diam
- Ao Sinus Diam
- Ao st junct
- PV Diam
- Ao Arch IA-LCA
- Ao Arch LCA-LSA
- Ao Arch after LSA
- Ao Isthmus
- Thoracic Ao Diam
- IVC Diam
- MV Diam
- TV Diam
- MPA Diam
- RPA Diam
- LPA Diam
- Z-Scores (<18Y) (2D)
- LV Area(d) A4C
- LV Area(s) A4C
- LVIDd A4C(2D)
- LVIDs A4C(2D)
- LA AP Diam A4C
- LA LL Diam A4C
- LA Area A4C
- RA AP Diam A4C
- RA LL Diam A4C
- RA Area A4C
- RV Area(d) A4C
- RV Area(s) A4C
- RVd Major A4C
- RVs Major A4C
- RVd Minor (basal) A4C
- RVd Minor (midcavity) A4C
- LV Area(d) A2C
- LV Area(s) A2C
- LVIDd A2C(2D)
- LVIDs A2C(2D)

M-Mode

- RVAWd(M)
- RVAWs(M)
- RVDd(M)

- RVDs(M)
- Ao Arch Diam(M)
- Ao Asc Diam(M)
- Ao Desc Diam(M)
- Ao Diam(M)
- Ao Isthmus(M)
- Ao Sinus Diam(M)
- Ao st junct(M)
- ACS(M)
- HR(M)
- IVSd(M)
- IVSs(M)
- LA Diam(M)
- LPA Diam(M)
- Diastole(M)
- Systole(M)
- LVET(M)
- LVIDd(M)
- LVIDs(M)
- LVOT Diam
- LVPEP(M)
- LVPWd(M)
- LVPWs(M)
- MCS(M)
- MPA Diam(M)
- MV A Amp
- MV E Amp
- MV D-E Slope
- MV D-E Amp
- MV E-F Slope
- MV EPSS(M)
- PEd(M)
- PEs(M)
- RPA Diam(M)
- RVET(M)
- RVOT Diam
- RVPEP(M)
- MAPSE
- TAPSE
- MV ALL
- IVC Diam(Insp)(M)
- IVC Diam(Expir)(M)
- SVC Diam(Insp)(M)
- SVC Diam(Expir)(M)
- Rt DT(Insp M)
- Rt DT(Expir M)
- Lt DT(Insp M)
- Lt DT(Expir M)
- RDE(QB)
- RDE(DB)
- LDE(QB)
- LDE(DB)
- ----------
- LA/Ao(M)
- ----------
- LV(M)
- Diastole(M)
- Systole(M)
- IVSd(M)
- LVIDd(M)
- LVPWd(M)
- IVSs(M)
- LVIDs(M)
- LVPWs(M)
- HR(M)
- LV Mass(Cube-M)
- IVSd(M)
- LVIDd(M)
- LVPWd(M)
- LV Tei Index(M)
- MV C-O dur(M)
- LVET(M)
- Z-Scores (??3Y) (M)
- IVSd(M)
- LVPWd(M)
- Z-Scores (<18Y) (M)
- LVIDd(M)
- LVIDs(M)

D-Mode

- MV Aa(lateral)
- MV Aa(medial)
- AAo Vmax
- AV VTI
- AV HR
- AV Vmax
- AR DecT
- AR Time
- AR PHT
- AR Ved
- AR Vmax
- AR VTI
- MV ARa(lateral)
- MV ARa(medial)
- ASD Vmax
- AV AccT
- AV DecT

- Coarc Post-Duct
- Coarc Pre-Duct
- DAo Vmax
- MV DRa(lateral)
- MV DRa(medial)
- MV Ea(lateral)
- MV Ea(medial)
- IVC Vel(Expir)
- IVC Vel(Insp)
- IVCT
- LPA Vmax
- LVET(Doppler)
- LVOT AccT
- LVOT VTI
- LVOT Vmax
- LVPEP(Doppler)
- MPA Vmax
- dP/dt
- Tau(BAI)
- MR VTI
- MR Vmax
- MS Vmax
- MV A Dur
- MV A Vel
- MV A VTI
- MV AccT
- MV DecT
- MV E Dur
- MV E Vel
- MV E VTI
- IVRT
- MV VTI
- MV HR
- MV Vmax
- PVein A Dur
- PVein A Vel
- PVein D Vel
- PVein D VTI
- PVein DecT
- PVein S Vel
- PVein S VTI
- PDA Vel(d)
- PDA Vel(s)
- PR PHT
- PR VTI
- PR Ved
- PR Vmax
- PR DecT
- PV AccT
- PV VTI
- PV HR
- PV Vmax
- RAP
- RPA Vmax
- RVET(Doppler)
- RVOT Vmax
- RVOT VTI
- RVPEP(Doppler)
- MV Sa(lateral)
- MV Sa(medial)
- SVC Vel(Expir)
- SVC Vel(Insp)
- TR VTI
- TR Vmax
- TV A Dur
- TV A Vel
- TV AccT
- TV DecT
- TV E Vel
- TV VTI
- TV HR
- TV Vmax
- VSD Vmax
- Hepatic V S Vel
- Hepatic V D Vel
- ----------
- MV E/A
- MVA(PHT)
- TV E/A
- TVA(PHT)
- ----------
- LV Tei Index(Doppler)
- MV C-O dur(Doppler)
- LVET(Doppler)
- RVSP
- TR Vmax
- RAP
- PAEDP
- PR Ved
- RAP
- MVA(VTI)
- LVOT Diam
- LVOT VTI
- MV VTI
- AVA(VTI)
- LVOT Diam

- LVOT VTI
- AV VTI
- CO(LVOT)
- LVOT Diam
- LVOT VTI
- AV HR
- CO(RVOT)
- RVOT Diam
- RVOT VTI
- PV HR
- CO(MV)
- MV Diam
- MV VTI
- MV HR
- CO(TV)
- TV Diam
- TV VTI
- TV HR
- RV Tei Index
- TV C-O dur
- RVET(Doppler)
- PISA MR
- MR Rad
- MR Als Vel
- MR VTI
- PISA AR
- AR Rad
- AR Als Vel
- AR VTI
- PISA TR
- TR Rad
- TR Als Vel
- TR VTI
- PISA PR
- PR Rad
- PR Als Vel
- PR VTI
- Qp/Qs
- LVOT Diam
- LVOT VTI
- RVOT Diam
- RVOT VTI

• Urology

B-Mode

- Renal L
- Renal H
- Renal W
- Cortex
- Adrenal L
- Adrenal H
- Adrenal W
- Ureter
- Cortex(Renal Transplant1)
- Renal V Diam(Renal Transplant1)
- Ureter Diam(Renal Transplant1)
- Cortex(Renal Transplant2)
- Renal V Diam(Renal Transplant2)
- Ureter Diam(Renal Transplant2)
- Prostate L
- Prostate H
- Prostate W
- Seminal L
- Seminal H
- Seminal W
- Urethra
- Pre-BL L
- Pre-BL H
- Pre-BL W
- Post-BL L
- Post-BL H
- Post-BL W
- Testicular L
- Testicular H
- Testicular W
- Epididymis L
- Epididymis H
- Epididymis W
- Scrotal Wall
- Testis V(2D)
- Testis V(Valsalva 2D)
- Prostate Mass1 Strain
- Prostate Mass2 Strain
- Prostate Mass3 Strain
- Prostate Mass1 Elas.
- Prostate Mass2 Elas.
- Prostate Mass3 Elas.
- ----------
- Renal Vol
- Prostate Vol
- Pre-BL Vol
- Post-BL Vol
- Mictur.Vol
- Testicular Vol
- ----------
- Kidney
- Renal L

- Renal H
- Renal W
- Cortex
- Adrenal
- Adrenal L
- Adrenal H
- Adrenal W
- Renal Lesion 1
- d1
- d2
- d3
- Renal Lesion 2
- d1
- d2
- d3
- Renal Lesion 3
- d1
- d2
- d3
- Renal Cyst 1
- d1
- d2
- d3
- Renal Cyst 2
- d1
- d2
- d3
- Renal Cyst 3
- d1
- d2
- d3
- Kidney(Superior)
- H
- W
- Kidney(Mid)
- H
- W
- Kidney(Inferior)
- H
- W
- Renal A
- Long
- Anterior-Posterior
- Transverse
- Renal A Aneurysm
- Long
- Anterior-Posterior
- Transverse
- Kidney(Renal Transplant1)
- L
- H
- W
- Adrenal(Renal Transplant1)
- L
- H
- W
- Finding 1(Renal Transplant1)
- L
- H
- W
- Finding 2(Renal Transplant1)
- L
- H
- W
- Finding 3(Renal Transplant1)
- L
- H
- W
- Finding 4(Renal Transplant1)
- L
- H
- W
- Finding 5(Renal Transplant1)
- L
- H
- W
- Finding 6(Renal Transplant1)
- L
- H
- W
- Renal Transplant 1(2D)
- Cortex(Renal Transplant1)
- Renal V Diam(Renal Transplant1)
- Ureter Diam(Renal Transplant1)
- Kidney(Renal Transplant1)
- L
- H
- W
- Adrenal(Renal Transplant1)
- L
- H
- W
- Finding 1(Renal Transplant1)
- L
- H
- W

- Finding 2(Renal Transplant1)
  - L
  - H
  - W
- Finding 3(Renal Transplant1)
  - L
  - H
  - W
- Finding 4(Renal Transplant1)
  - L
  - H
  - W
- Finding 5(Renal Transplant1)
  - L
  - H
  - W
- Finding 6(Renal Transplant1)
  - L
  - H
  - W
- Kidney(Renal Transplant2)
  - L
  - H
  - W
- Adrenal(Renal Transplant2)
  - L
  - H
  - W
- Finding 1(Renal Transplant2)
  - L
  - H
  - W
- Finding 2(Renal Transplant2)
  - L
  - H
  - W
- Finding 3(Renal Transplant2)
  - L
  - H
  - W
- Finding 4(Renal Transplant2)
  - L
  - H
  - W
- Finding 5(Renal Transplant2)
  - L
  - H
  - W
- Finding 6(Renal Transplant2)
  - L
  - H
  - W
- Renal Transplant 2(2D)
  - Cortex(Renal Transplant2)
  - Renal V Diam(Renal Transplant2)
  - Ureter Diam(Renal Transplant2)
  - Kidney(Renal Transplant2)
    - L
    - H
    - W
  - Adrenal(Renal Transplant2)
    - L
    - H
    - W
  - Finding 1(Renal Transplant2)
    - L
    - H
    - W
  - Finding 2(Renal Transplant2)
    - L
    - H
    - W
  - Finding 3(Renal Transplant2)
    - L
    - H
    - W
  - Finding 4(Renal Transplant2)
    - L
    - H
    - W
  - Finding 5(Renal Transplant2)
    - L
    - H
    - W
  - Finding 6(Renal Transplant2)
    - L
    - H
    - W
- Prostate
  - Prostate L
  - Prostate H
  - Prostate W
- Prostate2
  - Long
  - Anterior-Posterior
  - Coronal

- Seminal Vesicle
  - Seminal L
  - Seminal H
  - Seminal W
- Prostate Mass 1
  - d1
  - d2
  - d3
- Prostate Mass 2
  - d1
  - d2
  - d3
- Prostate Mass 3
  - d1
  - d2
  - d3
- Bladder
  - Pre-BL L
  - Pre-BL H
  - Pre-BL W
  - Post-BL L
  - Post-BL H
  - Post-BL W
- Smart Bladder
  - XS Bladder
  - Sag Bladder
- Testis
  - Testicular L
  - Testicular H
  - Testicular W
- Testis Mass 1
  - d1
  - d2
  - d3
- Testis Mass 2
  - d1
  - d2
  - d3
- Testis Mass 3
  - d1
  - d2
  - d3
- Epididymis
  - Epididymis L
  - Epididymis H
  - Epididymis W
- Testicle(Superior)
  - H
  - W
- Testicle(Mid)
  - H
  - W
- Testicle(Inferior)
  - H
  - W
- Epididymal Head
  - L
  - H
  - W
- Epididymal Body
  - L
  - H
  - W
- Epididymal Tail
  - L
  - H
  - W
- Prostate Mass1 Strain Ratio
  - A
  - B
- Prostate Mass2 Strain Ratio
  - A
  - B
- Prostate Mass3 Strain Ratio
  - A
  - B
- Prostate Mass1 Elas. Ratio
  - A
  - B
- Prostate Mass2 Elas. Ratio
  - A
  - B
- Prostate Mass3 Elas. Ratio
  - A
  - B

D-Mode

- Renal A
- Ren A Org
- M Renal A
- Renal A1
- Renal A2
- Hilum
- Interlobar A
- Arcuate A
- Segment A
- Artery Anast(Renal Transplant1)

- Artery Anast 2(Renal Transplant1)
- Vein Anast(Renal Transplant1)
- Vein Anast 2(Renal Transplant1)
- Renal A(Renal Transplant1)
- Renal A1(Renal Transplant1)
- Renal A2(Renal Transplant1)
- Hilum(Renal Transplant1)
- Interlobar A(Renal Transplant1)
- Arcuate A(Renal Transplant1)
- Segmental A(Renal Transplant1)
- Renal Vein 1(Renal Transplant1)
- Renal Vein 2(Renal Transplant1)
- Artery Anast(Renal Transplant2)
- Artery Anast 2(Renal Transplant2)
- Vein Anast(Renal Transplant2)
- Vein Anast 2(Renal Transplant2)
- Renal A(Renal Transplant2)
- Renal A1(Renal Transplant2)
- Renal A2(Renal Transplant2)
- Hilum(Renal Transplant2)
- Interlobar A(Renal Transplant2)
- Arcuate A(Renal Transplant2)
- Segmental A(Renal Transplant2)
- Renal Vein 1(Renal Transplant2)
- Renal Vein 2(Renal Transplant2)
- Testis A
- Testis V
- Testis V(Valsalva)
- Epididymis A
- Epididymis V
- ----------
- Renal Transplant 1(Doppler)
  - Artery Anast(Renal Transplant1)
  - Artery Anast 2(Renal Transplant1)
  - Vein Anast(Renal Transplant1)
  - Vein Anast 2(Renal Transplant1)
  - Renal A(Renal Transplant1)
  - Renal A1(Renal Transplant1)
  - Renal A2(Renal Transplant1)
  - Hilum(Renal Transplant1)
  - Interlobar A(Renal Transplant1)
  - Arcuate A(Renal Transplant1)
  - Segmental A(Renal Transplant1)
  - Renal Vein 1(Renal Transplant1)
  - Renal Vein 2(Renal Transplant1)
- Renal Transplant 2(Doppler)
  - Artery Anast(Renal Transplant2)
  - Artery Anast 2(Renal Transplant2)
  - Vein Anast(Renal Transplant2)
  - Vein Anast 2(Renal Transplant2)
  - Renal A(Renal Transplant2)
  - Renal A1(Renal Transplant2)
  - Renal A2(Renal Transplant2)
  - Hilum(Renal Transplant2)
  - Interlobar A(Renal Transplant2)
  - Arcuate A(Renal Transplant2)
  - Segmental A(Renal Transplant2)
  - Renal Vein 1(Renal Transplant2)
  - Renal Vein 2(Renal Transplant2)

- Vascular

B-Mode

- CCA IMT
- Bulb IMT
- ICA IMT
- ECA IMT
- ----------
- IMT
  - CCA IMT
  - Bulb IMT
  - ICA IMT
  - ECA IMT
- CCA
  - Anterior-Posterior
  - Transverse
  - Outer Diameter
  - Inner Diameter
  - Outer Area
  - Inner Area
- Bulb
  - Anterior-Posterior
  - Transverse
  - Outer Diameter
  - Inner Diameter
  - Outer Area
  - Inner Area
- Carotid Bifurcation
  - Anterior-Posterior
  - Transverse
  - Outer Diameter
  - Inner Diameter
  - Outer Area
  - Inner Area
- ICA
  - Anterior-Posterior
  - Artery Anast

- Transverse
- Outer Diameter
- Inner Diameter
- Outer Area
- Inner Area
- ECA
- Anterior-Posterior
- Transverse
- Outer Diameter
- Inner Diameter
- Outer Area
- Inner Area
- Vert A
- Anterior-Posterior
- Transverse
- Outer Diameter
- Inner Diameter
- Outer Area
- Inner Area
- Subclav A
- Anterior-Posterior
- Transverse
- Outer Diameter
- Inner Diameter
- Outer Area
- Inner Area
- Innom A
- Anterior-Posterior
- Transverse
- Outer Diameter
- Inner Diameter
- Outer Area
- Inner Area
- Mammary A
- Anterior-Posterior
- Transverse
- Outer Diameter
- Inner Diameter
- Outer Area
- Inner Area
- CCA Aneurysm
- Long
- Anterior-Posterior
- Transverse
- Bulb Aneurysm
- Long
- Anterior-Posterior
- Transverse
- Carotid Bifurcation Aneurysm
- Long
- Anterior-Posterior
- Transverse
- ICA Aneurysm
- Long
- Anterior-Posterior
- Transverse
- ECA Aneurysm
- Long
- Anterior-Posterior
- Transverse
- Vert A Aneurysm
- Long
- Anterior-Posterior
- Transverse
- Subclav A Aneurysm
- Long
- Anterior-Posterior
- Transverse
- Innom A Aneurysm
- Long
- Anterior-Posterior
- Transverse
- Mammary A Aneurysm
- Long
- Anterior-Posterior
- Transverse
- Carotid Graft 1 Anast
- Long
- Anterior-Posterior
- Transverse
- Carotid Graft 1 Graft
- Long
- Anterior-Posterior
- Transverse
- Carotid Graft 2 Anast
- Long
- Anterior-Posterior
- Transverse
- Carotid Graft 2 Graft
- Long
- Anterior-Posterior
- Transverse
- Carotid Graft 3 Anast
- Long
- Anterior-Posterior
- Transverse

- Carotid Graft 3 Graft
  - Long
  - Anterior-Posterior
  - Transverse
- Carotid Stent 1
  - Long
  - Anterior-Posterior
  - Transverse
- Carotid Stent 2
  - Long
  - Anterior-Posterior
  - Transverse
- Carotid Stent 3
  - Long
  - Anterior-Posterior
  - Transverse
- Carotid Stenosis 1
  - Anterior-Posterior
  - Transverse
  - Outer Diameter
  - Inner Diameter
  - Outer Area
  - Inner Area
- Carotid Stenosis 2
  - Anterior-Posterior
  - Transverse
  - Outer Diameter
  - Inner Diameter
  - Outer Area
  - Inner Area
- Carotid Stenosis 3
  - Anterior-Posterior
  - Transverse
  - Outer Diameter
  - Inner Diameter
  - Outer Area
  - Inner Area
- Carotid Stenosis 4
  - Anterior-Posterior
  - Transverse
  - Outer Diameter
  - Inner Diameter
  - Outer Area
  - Inner Area
- Axill A
  - Anterior-Posterior
  - Transverse
  - Outer Diameter
  - Inner Diameter
  - Outer Area
  - Inner Area
- Brachial A
  - Anterior-Posterior
  - Transverse
  - Outer Diameter
  - Inner Diameter
  - Outer Area
  - Inner Area
- Radial A
  - Anterior-Posterior
  - Transverse
  - Outer Diameter
  - Inner Diameter
  - Outer Area
  - Inner Area
- Ulnar A
  - Anterior-Posterior
  - Transverse
  - Outer Diameter
  - Inner Diameter
  - Outer Area
  - Inner Area
- Axill A Aneurysm
  - Long
  - Anterior-Posterior
  - Transverse
- Brachial A Aneurysm
  - Long
  - Anterior-Posterior
  - Transverse
- Radial A Aneurysm
  - Long
  - Anterior-Posterior
  - Transverse
- Ulnar A Aneurysm
  - Long
  - Anterior-Posterior
  - Transverse
- UE A Graft 1 Native Inflow
  - Anterior-Posterior
  - Transverse
- UE A Graft 1 Anast
  - Anterior-Posterior
  - Transverse
- UE A Graft 1 Graft
  - Anterior-Posterior

- Transverse
- UE A Graft 1 Native Outflow
- Anterior-Posterior
- Transverse
- UE A Graft 2 Native Inflow
- Anterior-Posterior
- Transverse
- UE A Graft 2 Anast
- Anterior-Posterior
- Transverse
- UE A Graft 2 Graft
- Anterior-Posterior
- Transverse
- UE A Graft 2 Native Outflow
- Anterior-Posterior
- Transverse
- UE A Graft 3 Native Inflow
- Anterior-Posterior
- Transverse
- UE A Graft 3 Anast
- Anterior-Posterior
- Transverse
- UE A Graft 3 Graft
- Anterior-Posterior
- Transverse
- UE A Graft 3 Native Outflow
- Anterior-Posterior
- Transverse
- UE A Stent 1
- Long
- Anterior-Posterior
- Transverse
- UE A Stent 2
- Long
- Anterior-Posterior
- Transverse
- UE A Stent 3
- Long
- Anterior-Posterior
- Transverse
- UE A Stenosis 1(2D)
- Anterior-Posterior
- Transverse
- Outer Diameter
- Inner Diameter
- Outer Area
- Inner Area
- UE A Stenosis 2(2D)
- Anterior-Posterior
- Transverse
- Outer Diameter
- Inner Diameter
- Outer Area
- Inner Area
- UE A Stenosis 3(2D)
- Anterior-Posterior
- Transverse
- Outer Diameter
- Inner Diameter
- Outer Area
- Inner Area
- UE A Stenosis 4(2D)
- Anterior-Posterior
- Transverse
- Outer Diameter
- Inner Diameter
- Outer Area
- Inner Area
- C.Iliac A
- Anterior-Posterior
- Transverse
- Outer Diameter
- Inner Diameter
- Outer Area
- Inner Area
- Ex.Iliac A
- Anterior-Posterior
- Transverse
- Outer Diameter
- Inner Diameter
- Outer Area
- Inner Area
- IIA
- Anterior-Posterior
- Transverse
- Outer Diameter
- Inner Diameter
- Outer Area
- Inner Area
- CFA
- Anterior-Posterior
- Transverse
- Outer Diameter
- Inner Diameter
- Outer Area
- Inner Area

- DFA
  - Anterior-Posterior
  - Transverse
  - Outer Diameter
  - Inner Diameter
  - Outer Area
  - Inner Area
- SFA
  - Anterior-Posterior
  - Transverse
  - Outer Diameter
  - Inner Diameter
  - Outer Area
  - Inner Area
- Pop A
  - Anterior-Posterior
  - Transverse
  - Outer Diameter
  - Inner Diameter
  - Outer Area
  - Inner Area
- TP Trunk A
  - Anterior-Posterior
  - Transverse
  - Outer Diameter
  - Inner Diameter
  - Outer Area
  - Inner Area
- A.Tib A
  - Anterior-Posterior
  - Transverse
  - Outer Diameter
  - Inner Diameter
  - Outer Area
  - Inner Area
- Peroneal A
  - Anterior-Posterior
  - Transverse
  - Outer Diameter
  - Inner Diameter
  - Outer Area
  - Inner Area
- P.Tib A
  - Anterior-Posterior
  - Transverse
  - Outer Diameter
  - Inner Diameter
  - Outer Area
  - Inner Area
- Dors.Ped. A
  - Anterior-Posterior
  - Transverse
  - Outer Diameter
  - Inner Diameter
  - Outer Area
  - Inner Area
- C.Iliac A Aneurysm
  - Long
  - Anterior-Posterior
  - Transverse
- Ex.Iliac A Aneurysm
  - Long
  - Anterior-Posterior
  - Transverse
- IIA Aneurysm
  - Long
  - Anterior-Posterior
  - Transverse
- CFA Aneurysm
  - Long
  - Anterior-Posterior
  - Transverse
- DFA Aneurysm
  - Long
  - Anterior-Posterior
  - Transverse
- SFA Aneurysm
  - Long
  - Anterior-Posterior
  - Transverse
- Pop A Aneurysm
  - Long
  - Anterior-Posterior
  - Transverse
- TP Trunk A Aneurysm
  - Long
  - Anterior-Posterior
  - Transverse
- A.Tib A Aneurysm
  - Long
  - Anterior-Posterior
  - Transverse
- Peroneal A Aneurysm
  - Long
  - Anterior-Posterior
  - Transverse

- P.Tib A Aneurysm
  - Long
  - Anterior-Posterior
  - Transverse
- Dors.Ped. A Aneurysm
  - Long
  - Anterior-Posterior
  - Transverse
- LE A Graft 1 Native Inflow
  - Anterior-Posterior
  - Transverse
- LE A Graft 1 Anast
  - Anterior-Posterior
  - Transverse
- LE A Graft 1 Graft
  - Anterior-Posterior
  - Transverse
- LE A Graft 1 Native Outflow
  - Anterior-Posterior
  - Transverse
- LE A Graft 2 Native Inflow
  - Anterior-Posterior
  - Transverse
- LE A Graft 2 Anast
  - Anterior-Posterior
  - Transverse
- LE A Graft 2 Graft
  - Anterior-Posterior
  - Transverse
- LE A Graft 2 Native Outflow
  - Anterior-Posterior
  - Transverse
- LE A Graft 3 Native Inflow
  - Anterior-Posterior
  - Transverse
- LE A Graft 3 Anast
  - Anterior-Posterior
  - Transverse
- LE A Graft 3 Graft
  - Anterior-Posterior
  - Transverse
- LE A Graft 3 Native Outflow
  - Anterior-Posterior
  - Transverse
- LE A Stent 1
  - Long
  - Anterior-Posterior
  - Transverse
- LE A Stent 2
  - Long
  - Anterior-Posterior
  - Transverse
- LE A Stent 3
  - Long
  - Anterior-Posterior
  - Transverse
- LE A Stenosis 1(2D)
  - Anterior-Posterior
  - Transverse
  - Outer Diameter
  - Inner Diameter
  - Outer Area
  - Inner Area
- LE A Stenosis 2(2D)
  - Anterior-Posterior
  - Transverse
  - Outer Diameter
  - Inner Diameter
  - Outer Area
  - Inner Area
- LE A Stenosis 3(2D)
  - Anterior-Posterior
  - Transverse
  - Outer Diameter
  - Inner Diameter
  - Outer Area
  - Inner Area
- LE A Stenosis 4(2D)
  - Anterior-Posterior
  - Transverse
  - Outer Diameter
  - Inner Diameter
  - Outer Area
  - Inner Area
- LE A Finding 1
  - Long
  - Anterior-Posterior
  - Transverse
- LE A Finding 2
  - Long
  - Anterior-Posterior
  - Transverse
- LE A Finding 3
  - Long
  - Anterior-Posterior
  - Transverse

- LE A Finding 4
  - Long
  - Anterior-Posterior
  - Transverse
- LE A Finding 5
  - Long
  - Anterior-Posterior
  - Transverse
- LE A Finding 6
  - Long
  - Anterior-Posterior
  - Transverse
- Int Jug V
  - Anterior-Posterior
  - Transverse
  - Checklist
- Innom V
  - Anterior-Posterior
  - Transverse
  - Checklist
- Subclav V
  - Anterior-Posterior
  - Transverse
  - Checklist
- Ax V
  - Anterior-Posterior
  - Transverse
  - Checklist
- Brachial V
  - Anterior-Posterior
  - Transverse
  - Checklist
- Radial V
  - Anterior-Posterior
  - Transverse
  - Checklist
- Ulnar V
  - Anterior-Posterior
  - Transverse
  - Checklist
- Volar V
  - Anterior-Posterior
  - Transverse
  - Checklist
- Cephalic V
  - Anterior-Posterior
  - Transverse
  - Checklist
- Basilic V
  - Anterior-Posterior
  - Transverse
  - Checklist
- CA Junction
  - Anterior-Posterior
  - Transverse
  - Checklist
- Upper Arm Cephalic V
  - Anterior-Posterior
  - Transverse
  - Checklist
- Cephalic-Antecubital V
  - Anterior-Posterior
  - Transverse
  - Checklist
- Forearm Cephalic V
  - Anterior-Posterior
  - Transverse
  - Checklist
- BA Junction
  - Anterior-Posterior
  - Transverse
  - Checklist
- Upper Arm Basilic V
  - Anterior-Posterior
  - Transverse
  - Checklist
- Basilic-Antecubital V
  - Anterior-Posterior
  - Transverse
  - Checklist
- Forearm Basilic V
  - Anterior-Posterior
  - Transverse
  - Checklist
- Digital V
  - Anterior-Posterior
  - Transverse
  - Checklist
- Median Cubital V
  - Anterior-Posterior
  - Transverse
  - Checklist
- AVF-Inflow Artery
  - Anterior-Posterior
  - Transverse
- AVF-Anast

- Anterior-Posterior
- Transverse
- AVF-Outflow Vein Level 1
- Anterior-Posterior
- Transverse
- AVF-Outflow Vein Level 2
- Anterior-Posterior
- Transverse
- AVF-Outflow Vein Level 3
- Anterior-Posterior
- Transverse
- AVF-Outflow Vein Level 4
- Anterior-Posterior
- Transverse
- AVF-Outflow Vein Level 5
- Anterior-Posterior
- Transverse
- AVF-Outflow Vein Level 6
- Anterior-Posterior
- Transverse
- AVF-Stenosis 1
- Anterior-Posterior
- Transverse
- AVF-Stenosis 2
- Anterior-Posterior
- Transverse
- AVF-Stenosis 3
- Anterior-Posterior
- Transverse
- AVF-Aneurysm 1
- Anterior-Posterior
- Transverse
- AVF-Aneurysm 2
- Anterior-Posterior
- Transverse
- AVF-Aneurysm 3
- Anterior-Posterior
- Transverse
- AV Graft-Inflow Artery
- Anterior-Posterior
- Transverse
- AV Graft-Arterial Anast
- Anterior-Posterior
- Transverse
- AV Graft-Graft
- Anterior-Posterior
- Transverse
- AV Graft-Venous Anast
- Anterior-Posterior
- Transverse
- AV Graft-Outflow Vein Level 1
- Anterior-Posterior
- Transverse
- AV Graft-Outflow Vein Level 2
- Anterior-Posterior
- Transverse
- AV Graft-Outflow Vein Level 3
- Anterior-Posterior
- Transverse
- AV Graft-Outflow Vein Level 4
- Anterior-Posterior
- Transverse
- AV Graft-Outflow Vein Level 5
- Anterior-Posterior
- Transverse
- AV Graft-Outflow Vein Level 6
- Anterior-Posterior
- Transverse
- C.Iliac V
- Anterior-Posterior
- Transverse
- Checklist
- Ex.Iliac V
- Anterior-Posterior
- Transverse
- Checklist
- IIV
- Anterior-Posterior
- Transverse
- Checklist
- CFV
- Anterior-Posterior
- Transverse
- Checklist
- Femoral V
- Anterior-Posterior
- Transverse
- Checklist
- DFV
- Anterior-Posterior
- Transverse
- Checklist
- Pop V
- Anterior-Posterior
- Transverse
- Checklist

- P.Tib V
  - Anterior-Posterior
  - Transverse
  - Checklist
- Peroneal V
  - Anterior-Posterior
  - Transverse
  - Checklist
- Sural V
  - Anterior-Posterior
  - Transverse
  - Checklist
- Soleal V
  - Anterior-Posterior
  - Transverse
  - Checklist
- A.Tib V
  - Anterior-Posterior
  - Transverse
  - Checklist
- TP Trunk V
  - Anterior-Posterior
  - Transverse
  - Checklist
- Saph V
  - Anterior-Posterior
  - Transverse
  - Checklist
- SSV
  - Anterior-Posterior
  - Transverse
  - Checklist
- SF Junction
  - Anterior-Posterior
  - Transverse
  - Checklist
- GSV Thigh
  - Anterior-Posterior
  - Transverse
  - Checklist
- GSV Knee
  - Anterior-Posterior
  - Transverse
  - Checklist
- GSV Calf
  - Anterior-Posterior
  - Transverse
  - Checklist
- SP Junction
  - Anterior-Posterior
  - Transverse
  - Checklist
- SSV Thigh Extension
  - Anterior-Posterior
  - Transverse
  - Checklist
- AASV
  - Anterior-Posterior
  - Transverse
  - Checklist
- PASV
  - Anterior-Posterior
  - Transverse
  - Checklist
- Thigh Perf
  - Anterior-Posterior
  - Transverse
  - Checklist
- Prox Calf Perf
  - Anterior-Posterior
  - Transverse
  - Checklist
- Mid Calf Perf
  - Anterior-Posterior
  - Transverse
  - Checklist
- Dist Calf Perf
  - Anterior-Posterior
  - Transverse
  - Checklist
- Pseudoaneurysm
  - Long
  - Anterior-Posterior
  - Transverse
  - Neck

D-Mode

- ACA
- A1 ACA
- MCA
- M1 MCA
- M2 MCA
- AComA
- Terminal ICA
- PComA
- PCA
- P1 PCA

- P2 PCA
- Opthalmic A
- ICA Siphon
- Terminal Vert A
- BA
- Ba V
- CCA
- ICA
- ECA
- Bulb
- Carotid Bifurcation
- Vert A
- Subclav A
- Innom A
- Mammary A
- Subclav V
- CCA Aneurysm
- ICA Aneurysm
- ECA Aneurysm
- Bulb Aneurysm
- Carotid Bifurcation Aneurysm
- Vert A Aneurysm
- Subclav A Aneurysm
- Innom A Aneurysm
- Mammary A Aneurysm
- Carotid Graft 1 Native Inflow
- Carotid Graft 1 Anast Pre
- Carotid Graft 1 Anast Max
- Carotid Graft 1 Anast Post
- Carotid Graft 1 Graft
- Carotid Graft 1 Native Outflow
- Carotid Graft 2 Native Inflow
- Carotid Graft 2 Anast Pre
- Carotid Graft 2 Anast Max
- Carotid Graft 2 Anast Post
- Carotid Graft 2 Graft
- Carotid Graft 2 Native Outflow
- Carotid Graft 3 Native Inflow
- Carotid Graft 3 Anast Pre
- Carotid Graft 3 Anast Max
- Carotid Graft 3 Anast Post
- Carotid Graft 3 Graft
- Carotid Graft 3 Native Outflow
- Carotid Stent 1
- Carotid Stent 2
- Carotid Stent 3
- Axill A
- Brachial A
- Ulnar A
- Radial A
- UE A Graft 1 Native Inflow
- UE A Graft 1 Anast
- UE A Graft 1 Graft
- UE A Graft 1 Native Outflow
- UE A Graft 2 Native Inflow
- UE A Graft 2 Anast
- UE A Graft 2 Graft
- UE A Graft 2 Native Outflow
- UE A Graft 3 Native Inflow
- UE A Graft 3 Anast
- UE A Graft 3 Graft
- UE A Graft 3 Native Outflow
- UE A Stent 1
- UE A Stent 2
- UE A Stent 3
- C.Iliac A
- Ex.Iliac A
- IIA
- CFA
- DFA
- SFA
- Pop A
- TP Trunk A
- A.Tib A
- Peroneal A
- P.Tib A
- Dors.Ped. A
- LE A Graft 1 Native Inflow
- LE A Graft 1 Anast Pre
- LE A Graft 1 Anast Max
- LE A Graft 1 Anast Post
- LE A Graft 1 Graft
- LE A Graft 1 Native Outflow
- LE A Graft 2 Native Inflow
- LE A Graft 2 Anast Pre
- LE A Graft 2 Anast Max
- LE A Graft 2 Anast Post
- LE A Graft 2 Graft
- LE A Graft 2 Native Outflow
- LE A Graft 3 Native Inflow
- LE A Graft 3 Anast Pre
- LE A Graft 3 Anast Max
- LE A Graft 3 Anast Post
- LE A Graft 3 Graft
- LE A Graft 3 Native Outflow
- LE A Stent 1

- LE A Stent 2
- LE A Stent 3
- Axill V
- Brachial V
- Radial V
- Ulnar V
- Cephalic V
- Basilic V
- AVF-Inflow Artery
- AVF-Anast
- AVF-Outflow Vein Level 1
- AVF-Outflow Vein Level 2
- AVF-Outflow Vein Level 3
- AVF-Outflow Vein Level 4
- AVF-Outflow Vein Level 5
- AVF-Outflow Vein Level 6
- AVF-Stenosis 1
- AVF-Stenosis 2
- AVF-Stenosis 3
- AV Graft-Inflow Artery
- AV Graft-Arterial Anast
- AV Graft-Graft
- AV Graft-Venous Anast
- AV Graft-Outflow Vein Level 1
- AV Graft-Outflow Vein Level 2
- AV Graft-Outflow Vein Level 3
- AV Graft-Outflow Vein Level 4
- AV Graft-Outflow Vein Level 5
- AV Graft-Outflow Vein Level 6
- ASP
- BSP
- ----------
- CCA(Sten)
  - Pre Sten
  - Sten
  - Post Sten
- ICA(Sten)
  - Pre Sten
  - Sten
  - Post Sten
- ECA(Sten)
  - Pre Sten
  - Sten
  - Post Sten
- Bulb(Sten)
  - Pre Sten
  - Sten
  - Post Sten
- Carotid Bifurcation(Sten)
  - Pre Sten
  - Sten
  - Post Sten
- Vert A(Sten)
  - Pre Sten
  - Sten
  - Post Sten
- Subclav A(Sten)
  - Pre Sten
  - Sten
  - Post Sten
- Innom A(Sten)
  - Pre Sten
  - Sten
  - Post Sten
- Mammary A(Sten)
  - Pre Sten
  - Sten
  - Post Sten
- Carotid Stenosis 1
  - Pre Sten
  - Sten
  - Post Sten
- Carotid Stenosis 2
  - Pre Sten
  - Sten
  - Post Sten
- Carotid Stenosis 3
  - Pre Sten
  - Sten
  - Post Sten
- Carotid Stenosis 4
  - Pre Sten
  - Sten
  - Post Sten
- Axill A(Sten)
  - Pre Sten
  - Sten
  - Post Sten
- Brachial A(Sten)
  - Pre Sten
  - Sten
  - Post Sten
- Ulnar A(Sten)
  - Pre Sten
  - Sten
  - Post Sten

- Radial A(Sten)
  - Pre Sten
  - Sten
  - Post Sten
- UE A Stenosis 1
  - Pre Sten
  - Sten
  - Post Sten
- UE A Stenosis 2
  - Pre Sten
  - Sten
  - Post Sten
- UE A Stenosis 3
  - Pre Sten
  - Sten
  - Post Sten
- UE A Stenosis 4
  - Pre Sten
  - Sten
  - Post Sten
- C.Iliac A(Sten)
  - Pre Sten
  - Sten
  - Post Sten
- Ex.Iliac A(Sten)
  - Pre Sten
  - Sten
  - Post Sten
- IIA(Sten)
  - Pre Sten
  - Sten
  - Post Sten
- CFA(Sten)
  - Pre Sten
  - Sten
  - Post Sten
- DFA(Sten)
  - Pre Sten
  - Sten
  - Post Sten
- SFA(Sten)
  - Pre Sten
  - Sten
  - Post Sten
- Pop A(Sten)
  - Pre Sten
  - Sten
  - Post Sten
- TP Trunk A(Sten)
  - Pre Sten
  - Sten
  - Post Sten
- A.Tib A(Sten)
  - Pre Sten
  - Sten
  - Post Sten
- Peroneal A(Sten)
  - Pre Sten
  - Sten
  - Post Sten
- P.Tib A(Sten)
  - Pre Sten
  - Sten
  - Post Sten
- Dors.Ped. A(Sten)
  - Pre Sten
  - Sten
  - Post Sten
- LE A Stenosis 1
  - Pre Sten
  - Sten
  - Post Sten
- LE A Stenosis 2
  - Pre Sten
  - Sten
  - Post Sten
- LE A Stenosis 3
  - Pre Sten
  - Sten
  - Post Sten
- LE A Stenosis 4
  - Pre Sten
  - Sten
  - Post Sten
- C.Iliac V
  - PV
  - Reflux
  - Checklist
- Ex.Iliac V
  - PV
  - Reflux
  - Checklist
- IIV
  - PV
  - Reflux
  - Checklist

- CFV
  - PV
  - Reflux
  - Checklist
- Femoral V
  - PV
  - Reflux
  - Checklist
- DFV
  - PV
  - Reflux
  - Checklist
- Pop V
  - PV
  - Reflux
  - Checklist
- P.Tib V
  - PV
  - Reflux
  - Checklist
- Peroneal V
  - PV
  - Reflux
  - Checklist
- Sural V
  - PV
  - Reflux
  - Checklist
- Soleal V
  - PV
  - Reflux
  - Checklist
- A.Tib V
  - PV
  - Reflux
  - Checklist
- TP Trunk V
  - PV
  - Reflux
  - Checklist
- Saph V
  - PV
  - Reflux
  - Checklist
- SSV
  - PV
  - Reflux
  - Checklist
- SF Junction
  - PV
  - Reflux
  - Checklist
- GSV Thigh
  - PV
  - Reflux
  - Checklist
- GSV Knee
  - PV
  - Reflux
  - Checklist
- GSV Calf
  - PV
  - Reflux
  - Checklist
- SP Junction
  - PV
  - Reflux
  - Checklist
- SSV Thigh Extension
  - PV
  - Reflux
  - Checklist
- AASV
  - PV
  - Reflux
  - Checklist
- PASV
  - PV
  - Reflux
  - Checklist
- Thigh Perf
  - PV
  - Reflux
  - Checklist
- Prox Calf Perf
  - PV
  - Reflux
  - Checklist
- Mid Calf Perf
  - PV
  - Reflux
  - Checklist
- Dist Calf Perf
  - PV
  - Reflux
  - Checklist

- ABI
- ASP
- BSP

- Small Parts

B-Mode

- Thyroid L
- Thyroid H
- Thyroid W
- Isthmus H
- THY Nodule1 Strain
- THY Nodule2 Strain
- THY Nodule3 Strain
- THY Nodule1 Elas.
- THY Nodule2 Elas.
- THY Nodule3 Elas.
- Breast Mass1 Strain
- Breast Mass1 Elas.
- Breast Mass2 Strain
- Breast Mass2 Elas.
- Breast Mass3 Strain
- Breast Mass3 Elas.
- Breast Mass4 Strain
- Breast Mass4 Elas.
- Breast Mass5 Strain
- Breast Mass5 Elas.
- Breast Mass6 Strain
- Breast Mass6 Elas.
- Breast Mass7 Strain
- Breast Mass7 Elas.
- Breast Mass8 Strain
- Breast Mass8 Elas.
- Breast Mass9 Strain
- Breast Mass9 Elas.
- Breast Mass10 Strain
- Breast Mass10 Elas.
- Testicular L
- Testicular H
- Testicular W
- Epididymis L
- Epididymis H
- Epididymis W
- Scrotal Wall
- Testis V(2D)
- Testis V(Valsalva 2D)
- ----------
- Thyroid Vol
- Testicular Vol
- ----------
- Thyroid(Superior)
- Anterior-Posterior
- Transverse
- Thyroid(Mid)
- Anterior-Posterior
- Transverse
- Thyroid(Inferior)
- Anterior-Posterior
- Transverse
- Parathyroid 1
- Long
- Anterior-Posterior
- Transverse
- Parathyroid 2
- Long
- Anterior-Posterior
- Transverse
- Parotid
- Long
- Anterior-Posterior
- Transverse
- Lymph Node 1
- Long
- Anterior-Posterior
- Transverse
- Lymph Node 2
- Long
- Anterior-Posterior
- Transverse
- Lymph Node 3
- Long
- Anterior-Posterior
- Transverse
- Lymph Node 4
- Long
- Anterior-Posterior
- Transverse
- Lymph Node 5
- Long
- Anterior-Posterior
- Transverse
- Lymph Node 6
- Long
- Anterior-Posterior
- Transverse
- Thyroid
- Thyroid L
- Thyroid H

- Thyroid W
- Thyroid Nodule 1
- Length
- Height
- Width
- Thyroid Nodule 2
- Length
- Height
- Width
- Thyroid Nodule 3
- Length
- Height
- Width
- Thyroid Nodule 4
- Length
- Height
- Width
- Thyroid Nodule 5
- Length
- Height
- Width
- Thyroid Nodule 6
- Length
- Height
- Width
- Thyroid Nodule 7
- Length
- Height
- Width
- Thyroid Nodule 8
- Length
- Height
- Width
- Thyroid Nodule 9
- Length
- Height
- Width
- Thyroid Nodule 10
- Length
- Height
- Width
- THY Nodule1 Strain Ratio
- A
- B
- THY Nodule2 Strain Ratio
- A
- B
- THY Nodule3 Strain Ratio
- A
- B
- THY Nodule1 Elas. Ratio
- A
- B
- THY Nodule2 Elas. Ratio
- A
- B
- THY Nodule3 Elas. Ratio
- A
- B
- Breast Mass 1
- L
- H
- W
- Nip. Dist.
- Skin Dist.
- Breast Mass 2
- L
- H
- W
- Nip. Dist.
- Skin Dist.
- Breast Mass 3
- L
- H
- W
- Nip. Dist.
- Skin Dist.
- Breast Mass 4
- L
- H
- W
- Nip. Dist.
- Skin Dist.
- Breast Mass 5
- L
- H
- W
- Nip. Dist.
- Skin Dist.
- Breast Mass 6
- L
- H
- W
- Nip. Dist.
- Skin Dist.
- Breast Mass 7

- L
- H
- W
- Nip. Dist.
- Skin Dist.
- Breast Mass 8
- L
- H
- W
- Nip. Dist.
- Skin Dist.
- Breast Mass 9
- L
- H
- W
- Nip. Dist.
- Skin Dist.
- Breast Mass 10
- L
- H
- W
- Nip. Dist.
- Skin Dist.
- Breast Mass1 Strain Ratio
- A
- B
- Breast Mass1 Elas. Ratio
- A
- B
- Breast Mass2 Strain Ratio
- A
- B
- Breast Mass2 Elas. Ratio
- A
- B
- Breast Mass3 Strain Ratio
- A
- B
- Breast Mass3 Elas. Ratio
- A
- B
- Breast Mass4 Strain Ratio
- A
- B
- Breast Mass4 Elas. Ratio
- A
- B
- Breast Mass5 Strain Ratio
- A
- B
- Breast Mass5 Elas. Ratio
- A
- B
- Breast Mass6 Strain Ratio
- A
- B
- Breast Mass6 Elas. Ratio
- A
- B
- Breast Mass7 Strain Ratio
- A
- B
- Breast Mass7 Elas. Ratio
- A
- B
- Breast Mass8 Strain Ratio
- A
- B
- Breast Mass8 Elas. Ratio
- A
- B
- Breast Mass9 Strain Ratio
- A
- B
- Breast Mass9 Elas. Ratio
- A
- B
- Breast Mass10 Strain Ratio
- A
- B
- Breast Mass10 Elas. Ratio
- A
- B
- Testis
- Testicular L
- Testicular H
- Testicular W
- Testis Mass 1
- d1
- d2
- d3
- Testis Mass 2
- d1
- d2
- d3
- Testis Mass 3

- d1
- d2
- d3
- Epididymis
- Epididymis L
- Epididymis H
- Epididymis W
- Testicle(Superior)
- H
- W
- Testicle(Mid)
- H
- W
- Testicle(Inferior)
- H
- W
- Epididymal Head
- L
- H
- W
- Epididymal Body
- L
- H
- W
- Epididymal Tail
- L
- H
- W

D-Mode

- STA
- ITA
- Isthmus
- Parathyroid 1
- Parathyroid 2
- Testis A
- Testis V
- Testis V(Valsalva)
- Epididymis A
- Epididymis V

- **Emergency**

B-Mode

- Renal L
- Renal H
- Renal W
- CBD
- Portal V Diam
- CHD
- GB wall th
- Aorta Bif
- Ureter
- Pre-BL L
- Pre-BL H
- Pre-BL W
- Post-BL L
- Post-BL H
- Post-BL W
- GS
- YS L
- CRL
- BPD
- UT L
- UT H
- UT W
- Endo
- Ovary L
- Ovary H
- Ovary W
- ----------
- Renal Vol
- Pre-BL Vol
- Post-BL Vol
- Mictur.Vol
- Ovary Vol
- UT Vol
- UT SUM
- ----------
- Uterus
- UT L
- UT H
- UT W
- Endo
- Ovary
- Ovary L
- Ovary H
- Ovary W
- Kidney
- Renal L
- Renal H
- Renal W
- Cortex
- Bladder
- Pre-BL L
- Pre-BL H
- Pre-BL W
- Post-BL L
- Post-BL H

- Post-BL W

M-Mode

- FHR (M)

D-Mode

- FHR (Doppler)

- Orthopedic

B-Mode

- HIP
- HIP(α)
- HIP(β)
- d/D