Respect For Life

SINCE-2007

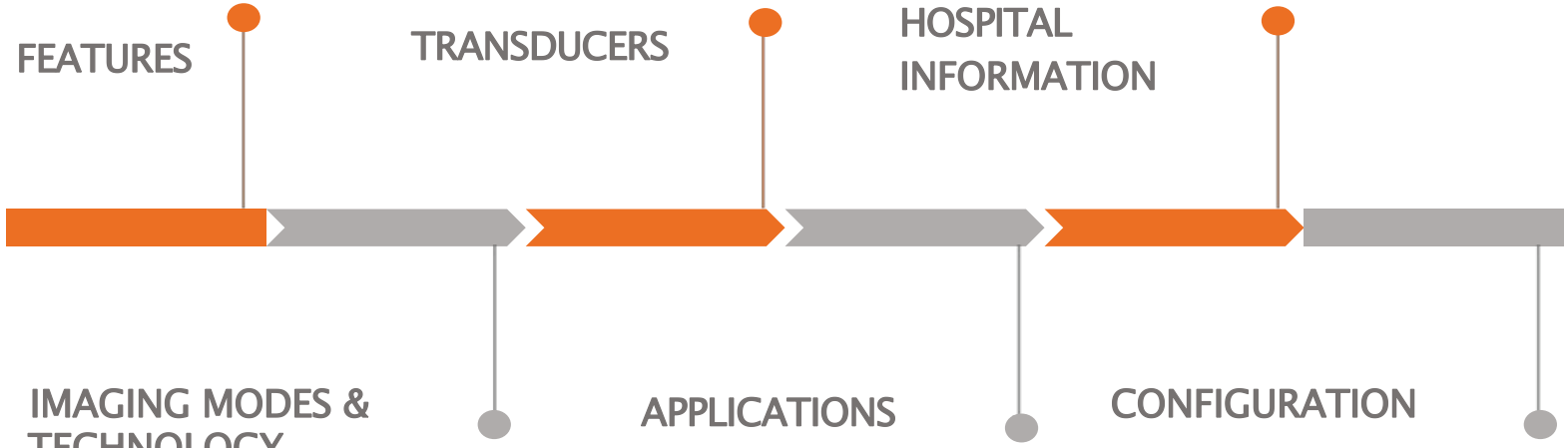
GE-BIOMed

G55 POWER DOPPLER

DIAGNOSTIC ULTRASOUND SYSTEM

PRODUCT PRESENTATION

CONTENT


FEATURES
TRANSDUCERS
HOSPITAL INFORMATION
IMAGING MODES & TECHNOLOGY
APPLICATIONS
CONFIGURATION

FEATURES

01

12.1” High Definition Medical Monitor

02

External Ports (4*USB, VGA, RS232, and more…

03

Power Supply

04

Faster Capacity 128GB SSD

05

2 Probe Connector

06

Upto 90。 Tiltable Monitor, Angle Adjustable

07

Backlit keyboard

08

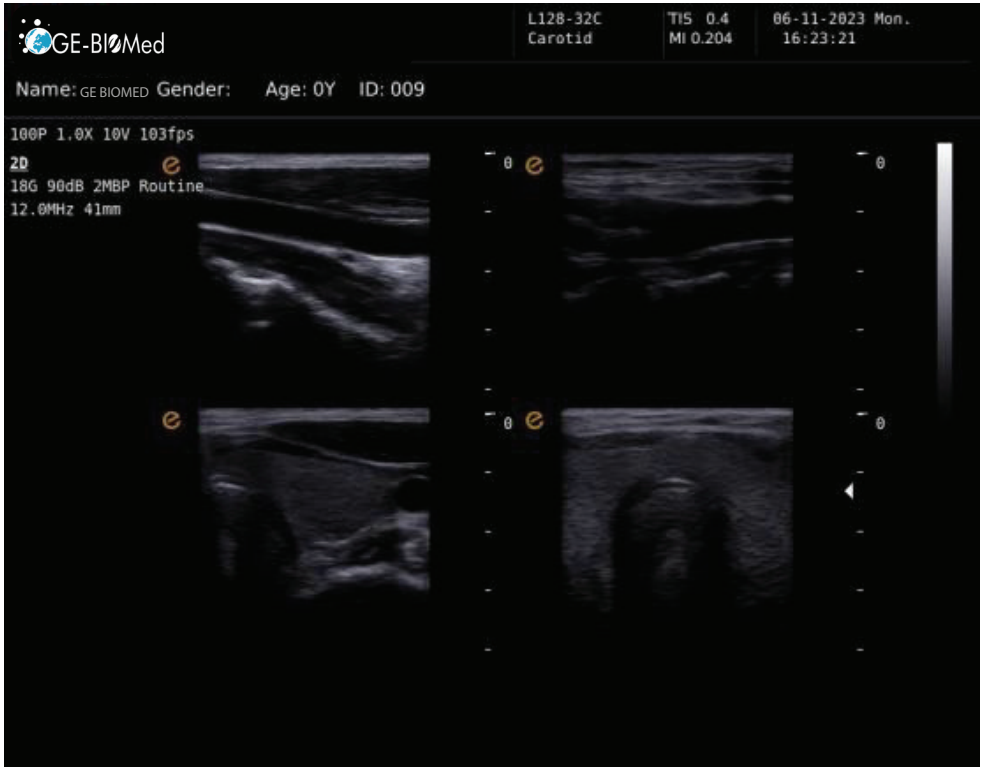
Battery ≥2.5 Hours

Imaging Modes

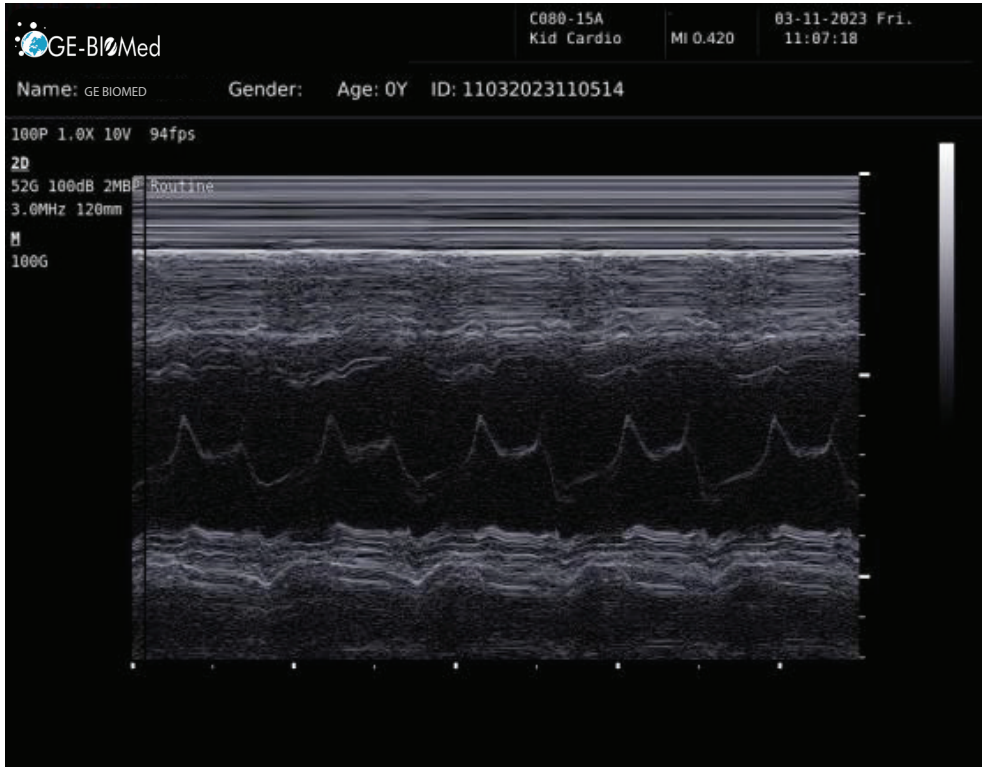
B Mode

2B Mode

Imaging Modes

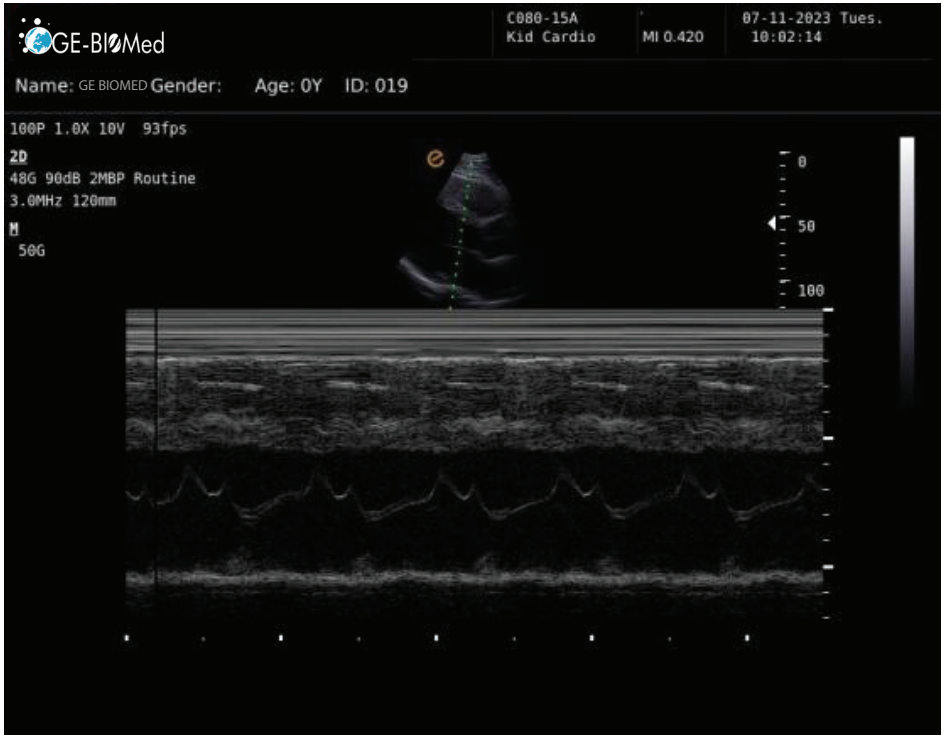


4B Mode

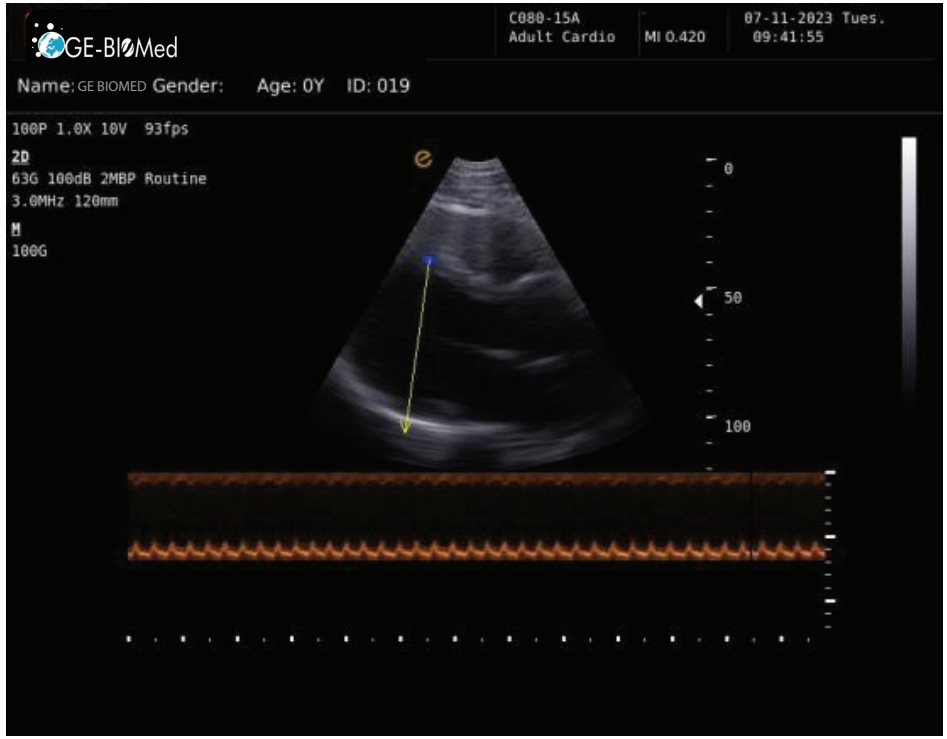


M Mode

Imaging Modes



Mode



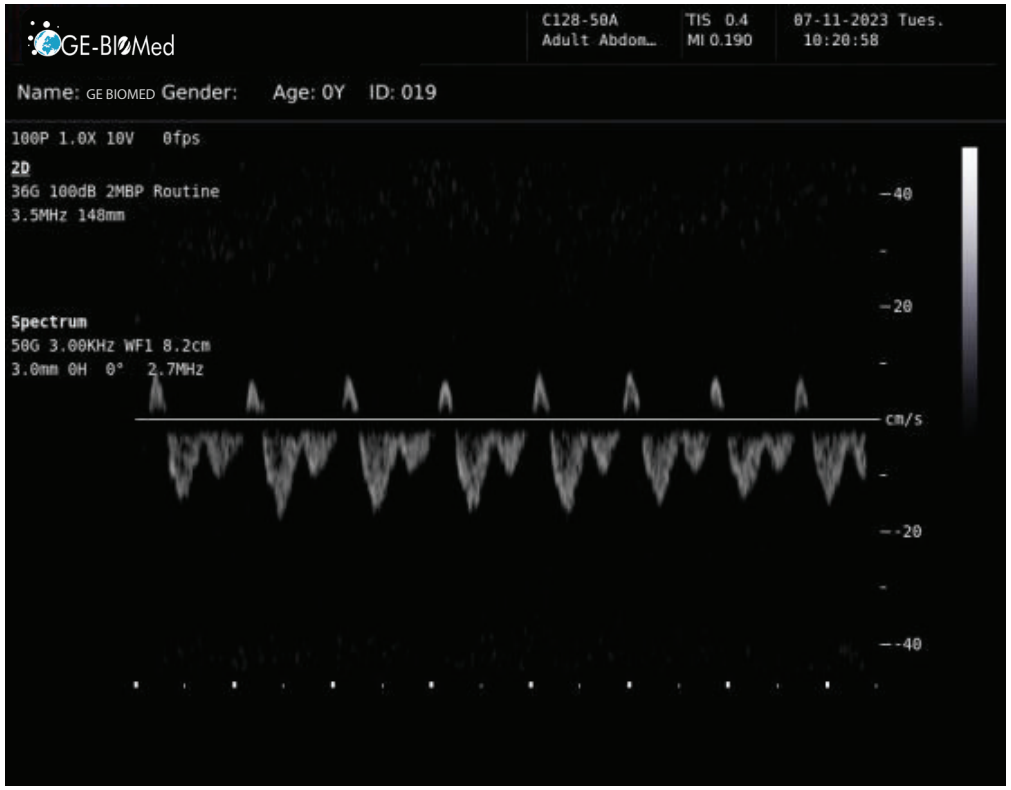
Anatomical M Mode

Imaging Modes

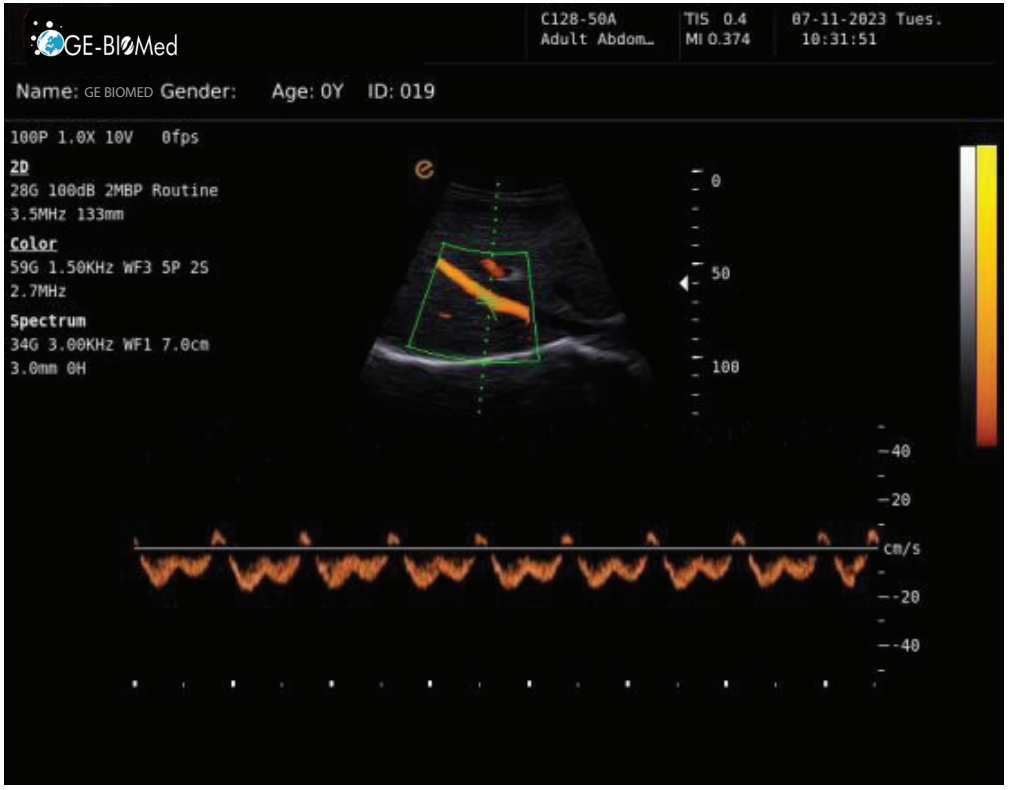
PDI Mode

B+B/PDI (Duel Live)

Imaging Modes

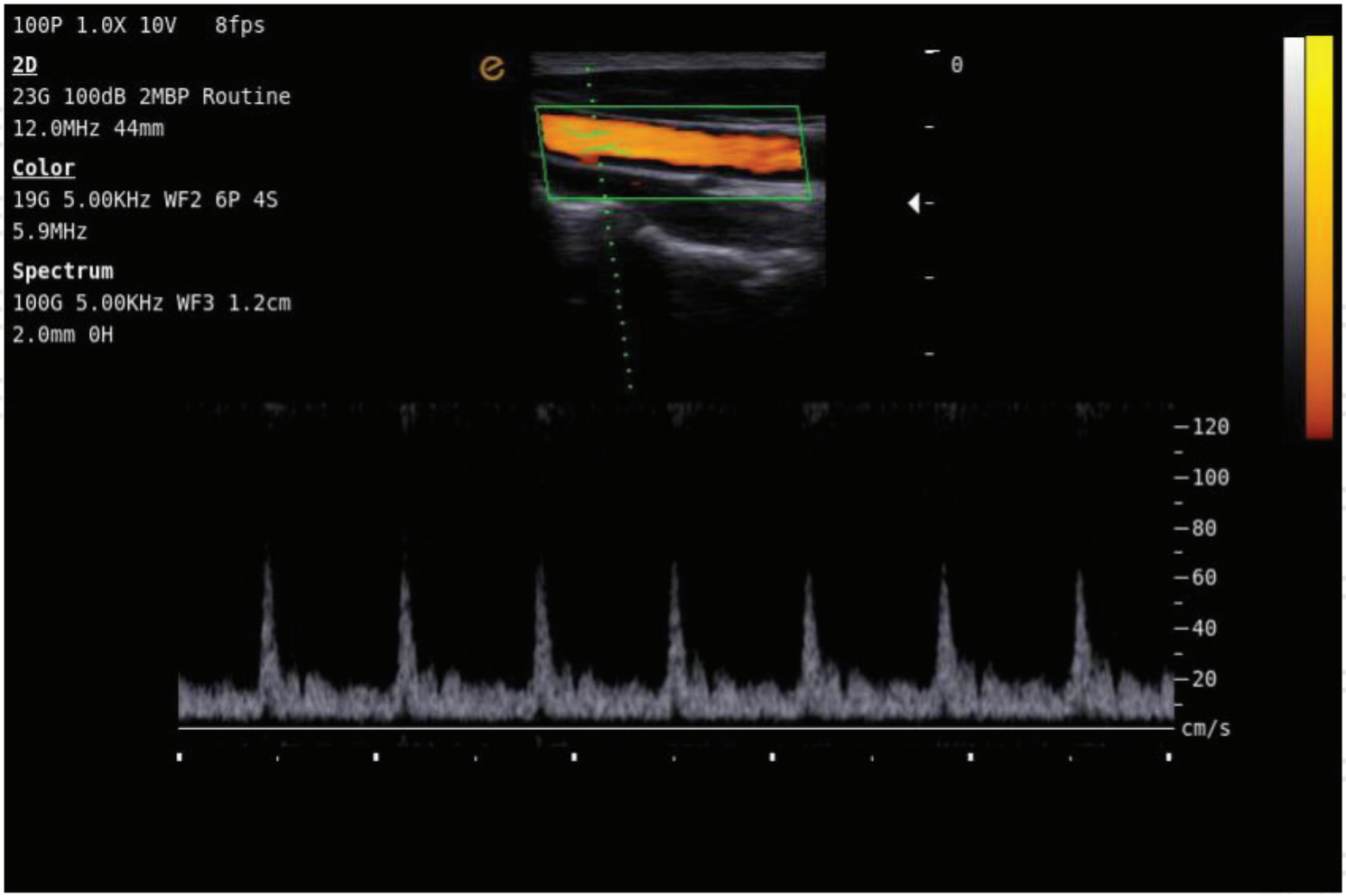


PW Mode



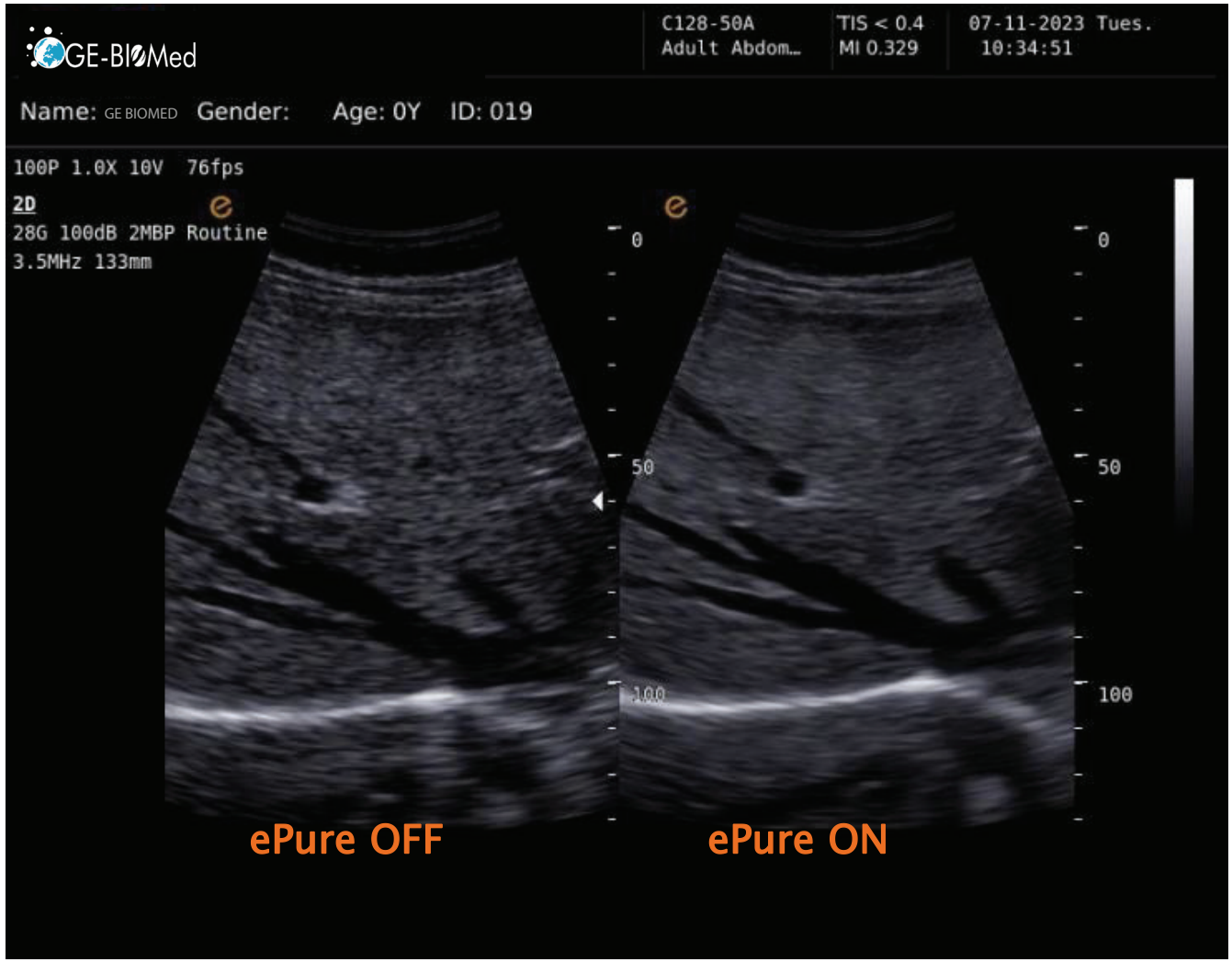
Triplex Mode

Triplex Mode (B+C+D) Simultaneous



ePure Speckle Reduction Technology

Speckle Reduction Technology is a technology that effectively reduces the noise created by echoes and self-adapt uniformity of different tissue layers to its premium image quality with clear edges.

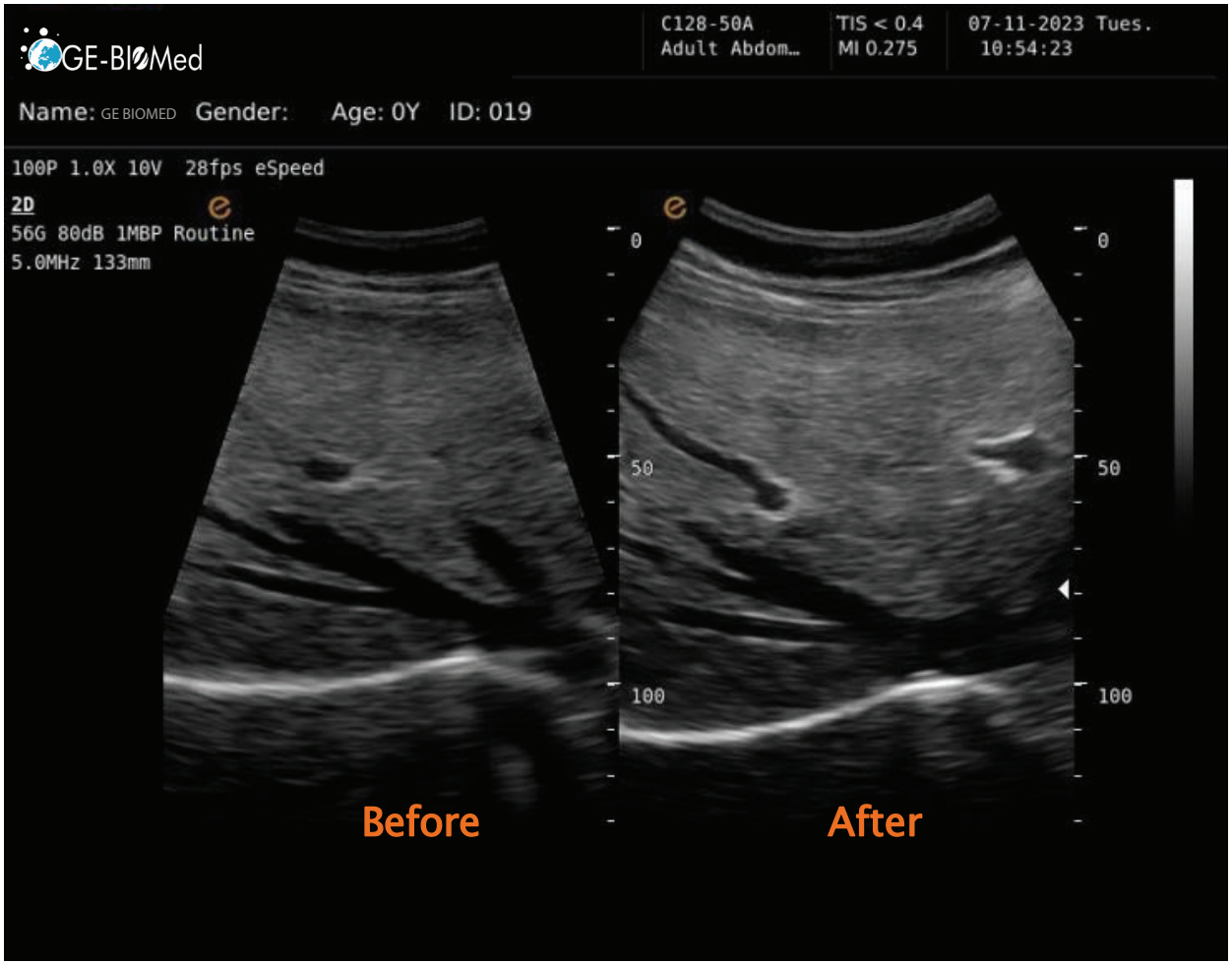


THI – Tissue Harmonic Imaging

*H*armonic signal imaging utilizes tissue echoes to effectively improve signal strength, suppress noise interference, and eliminate pseudo side-lobe. The imaging technology results in a clear image while the edge sharpness is more obvious. It greatly improves the display of the tiny structures of early

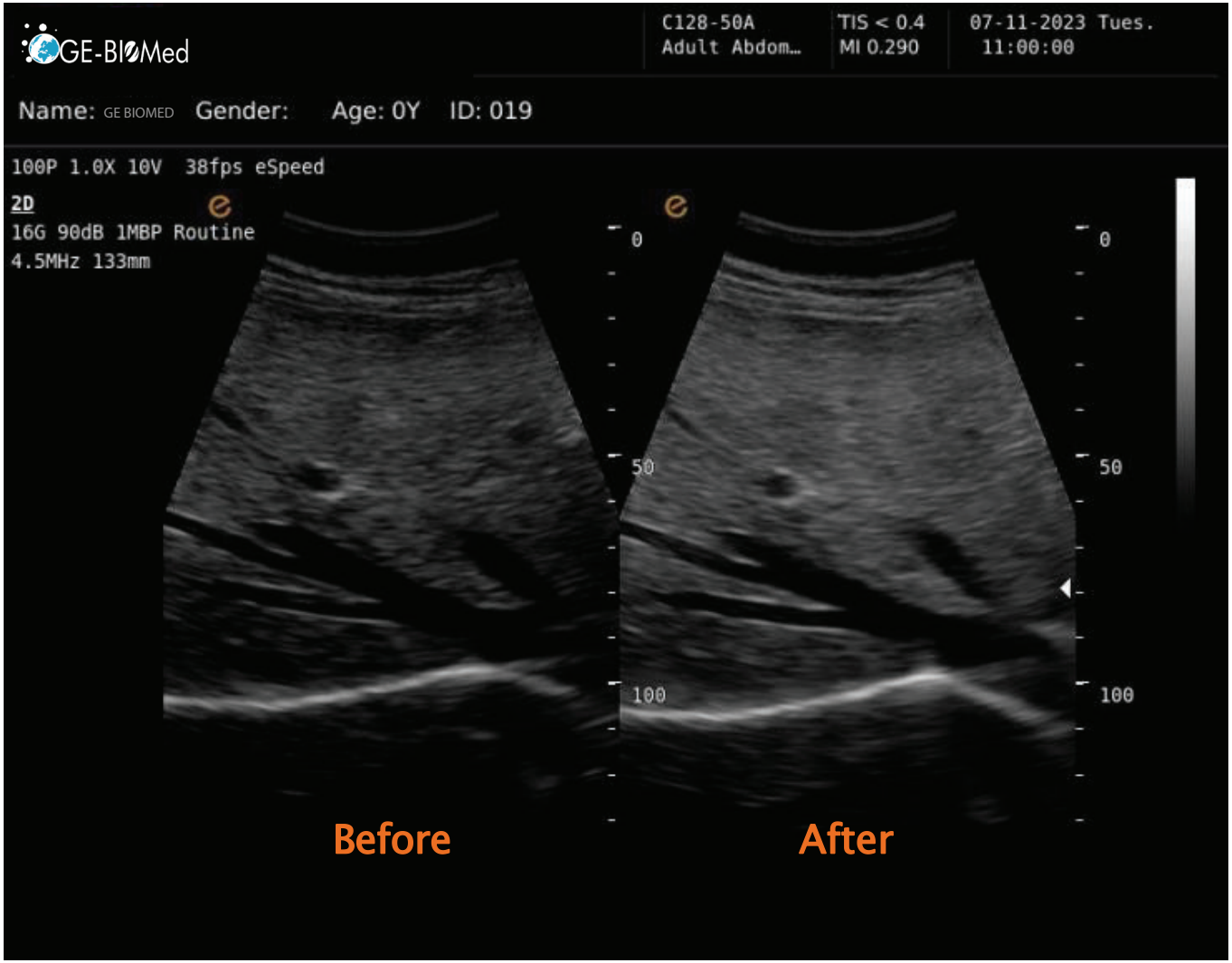
eSpeed – One Key Optimization

Automatic acoustic adjustment for optimal image by multiple and retrospective channel smart data processing. eSpeed working for B, CFM, PW Mode.



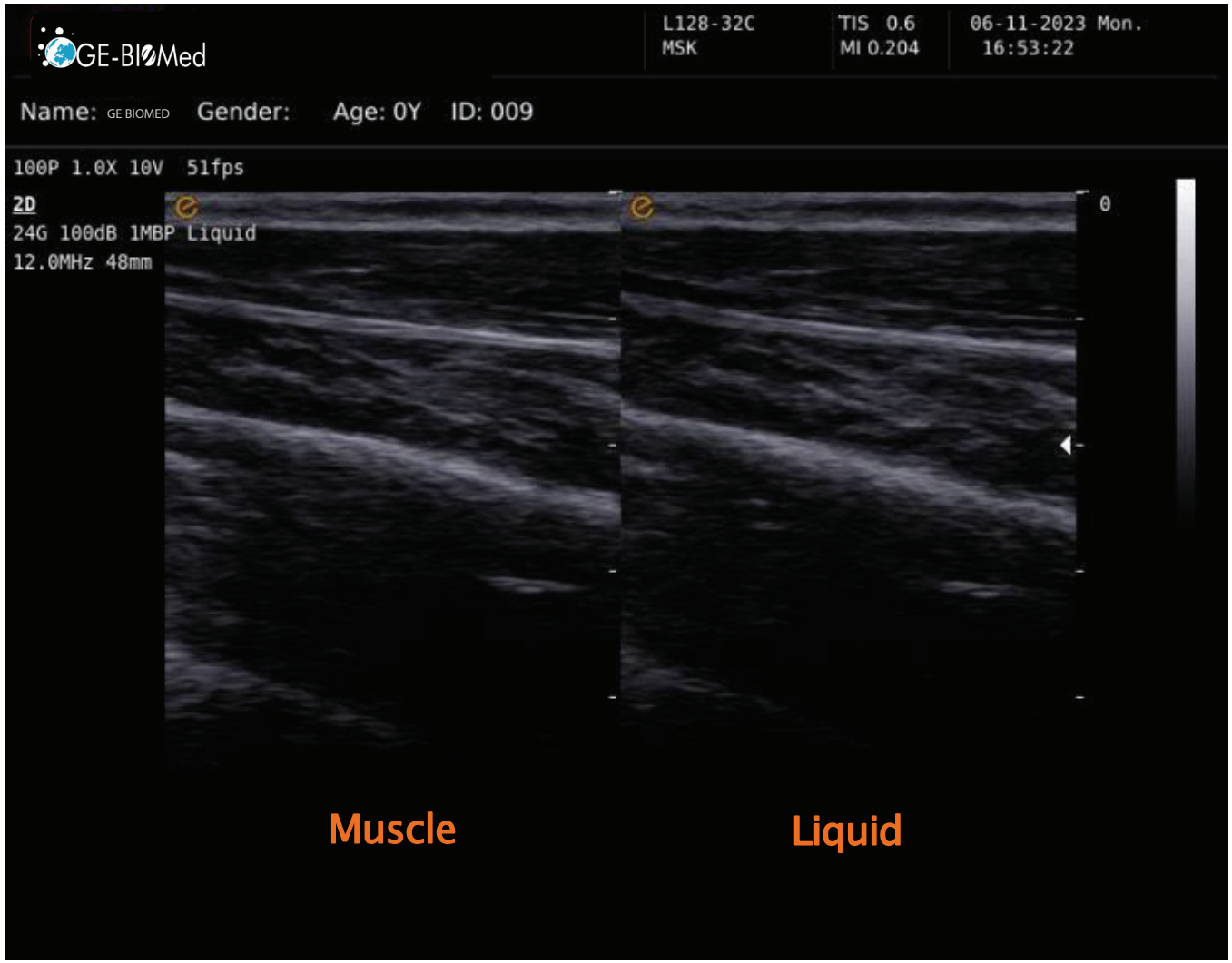
eFCI Frequency Compound Imaging

*D*elivers imaging with high resolution at different depth through allowing simultaneous transmission of high & low echo frequencies.



TSI Tissue Specific Imaging

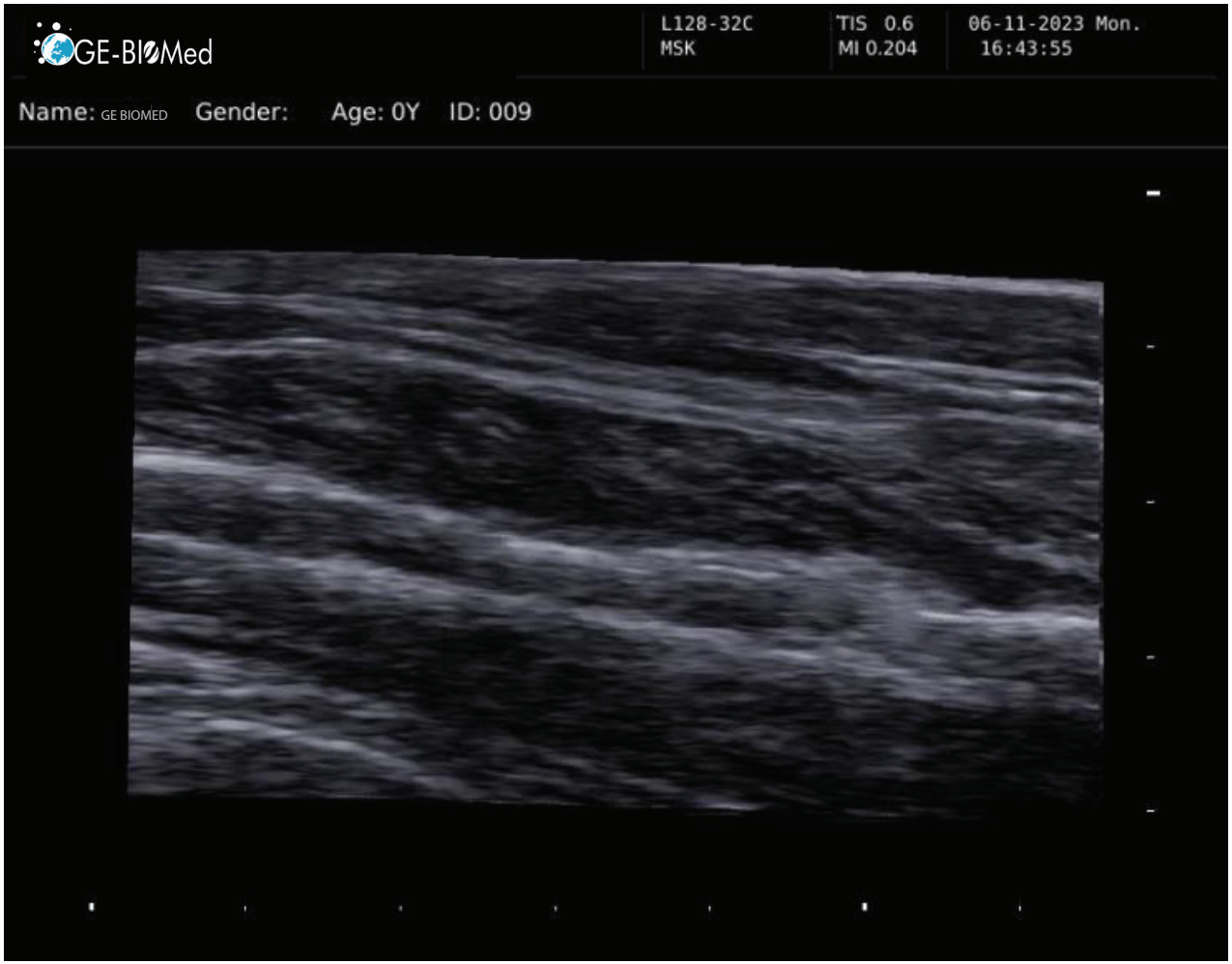
Tissue specific imaging is self-adaptive technology in different transition media for optimized image resolution.



eView Panoramic Imaging

Panoramic imaging is an advance ultrasonography technic which supplies images with a large FOV. Panoramic imaging provides the transducer to move through the patient's anatomy and combine multiple images to create one long image with an extremely wide field of view. it gives expanded-view images with lower distortion that has more easiness in real-time practices.

GE-Biomed device allow to capture Upto 1.2m.

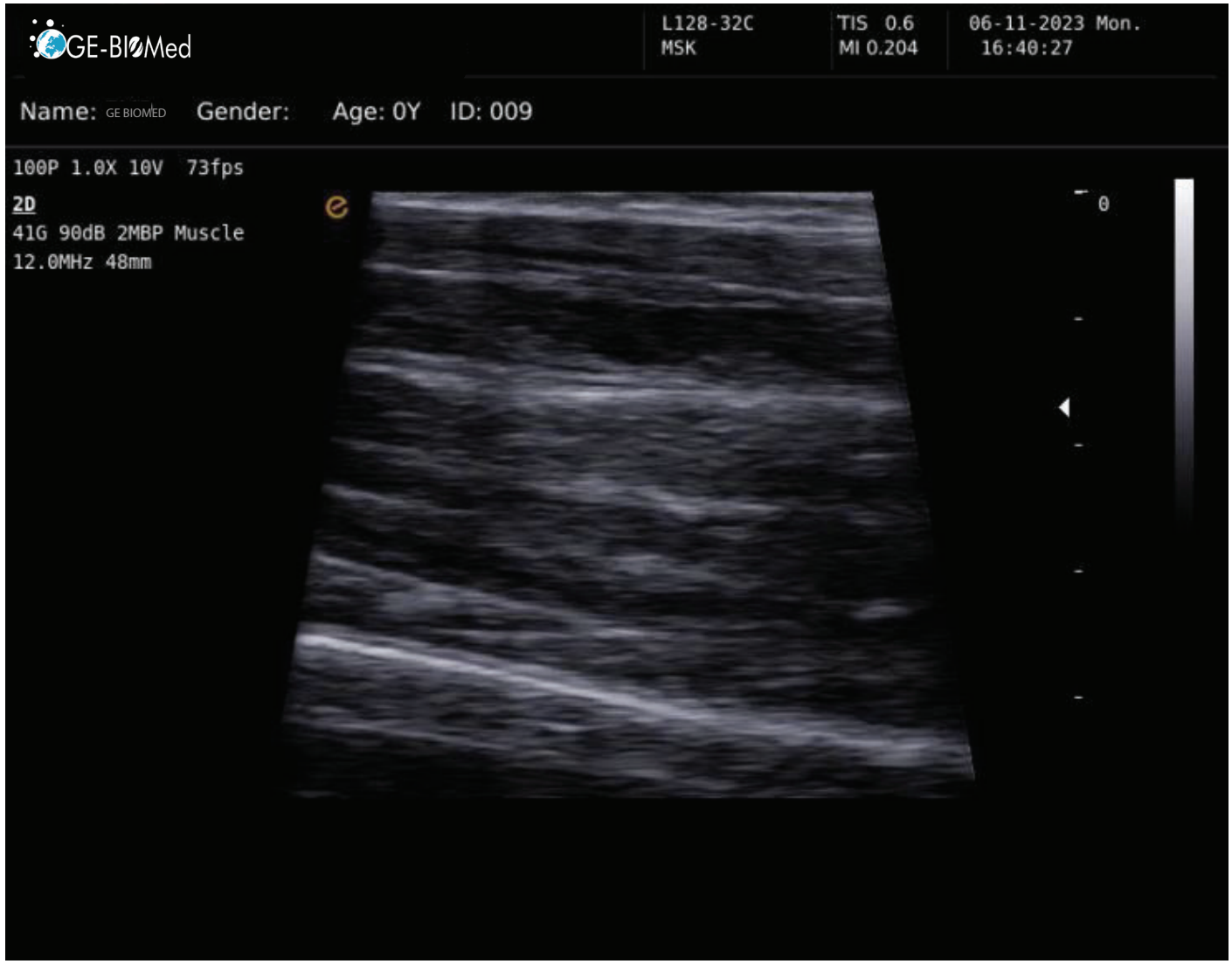


EFVI Extended Field of View

EFVI is a technology, frequently used in ultrasound imaging area to Enlarge FOV using Convex, Micro-convex and Endocavity probe for scanning. In N5 Convex probe scanning area can be enlarge Upto 70° [60°~70°]angle to check large and deep organs.

TP View Trapezoid Imaging

Trapezoidal imaging or known as TP View is a feature which can be access while using linear scanners. The technology used in Trapezoidal imaging extends the basal imaging field view by creating a wider image than the footprint of the transducer, which allows to include more posterior and lateral tissue in the scanning area.

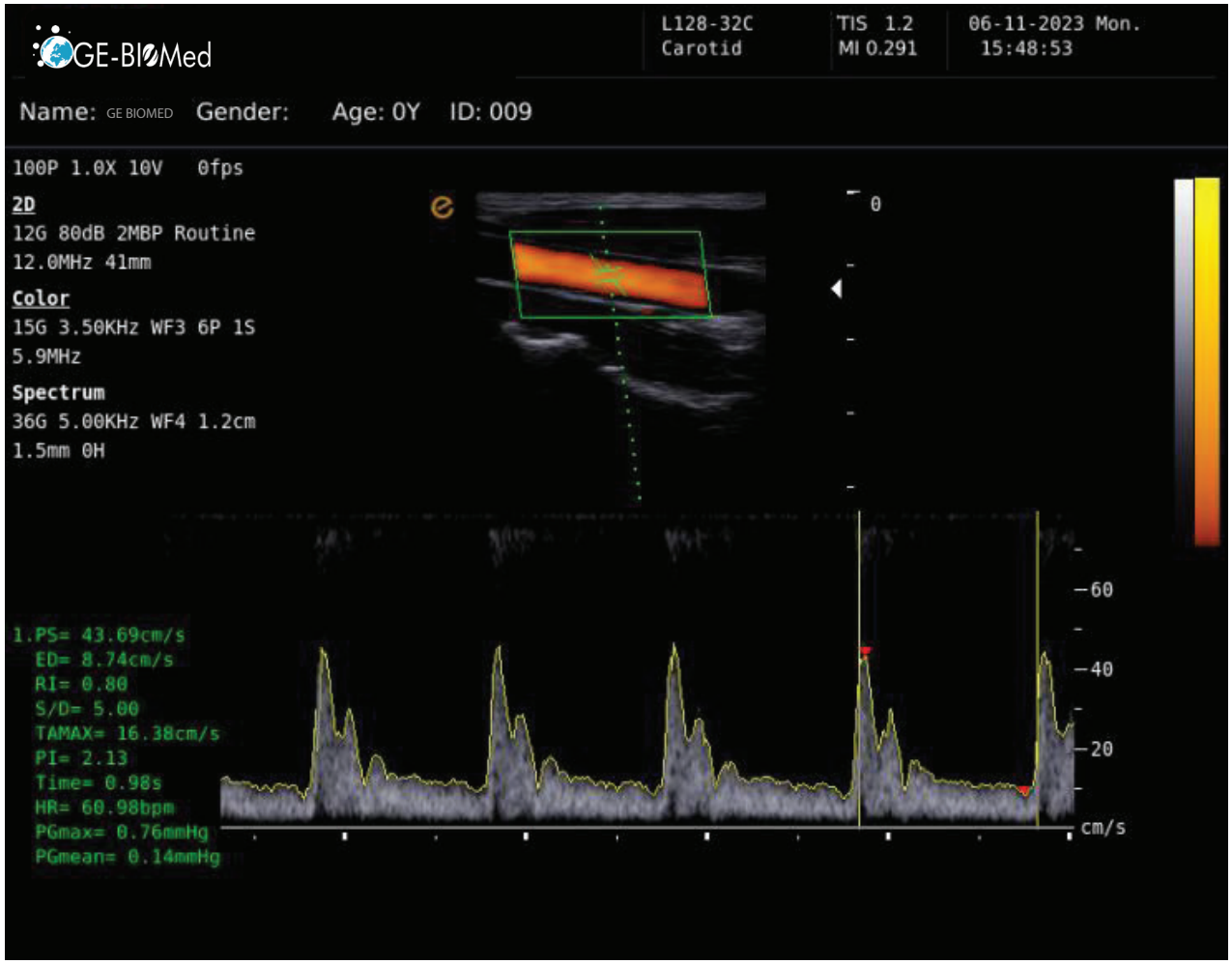


Auto IMT – Auto Intima Media Thickness Calculation

Auto IMT is a technology that automatically generates calculation of intima–media thickness in the Region of Interest.

Auto Calculation – Auto PW Trace Calculation

Auto calculation of volumetric blood flow rate in artery allows efficiency and accuracy in daily diagnosis.

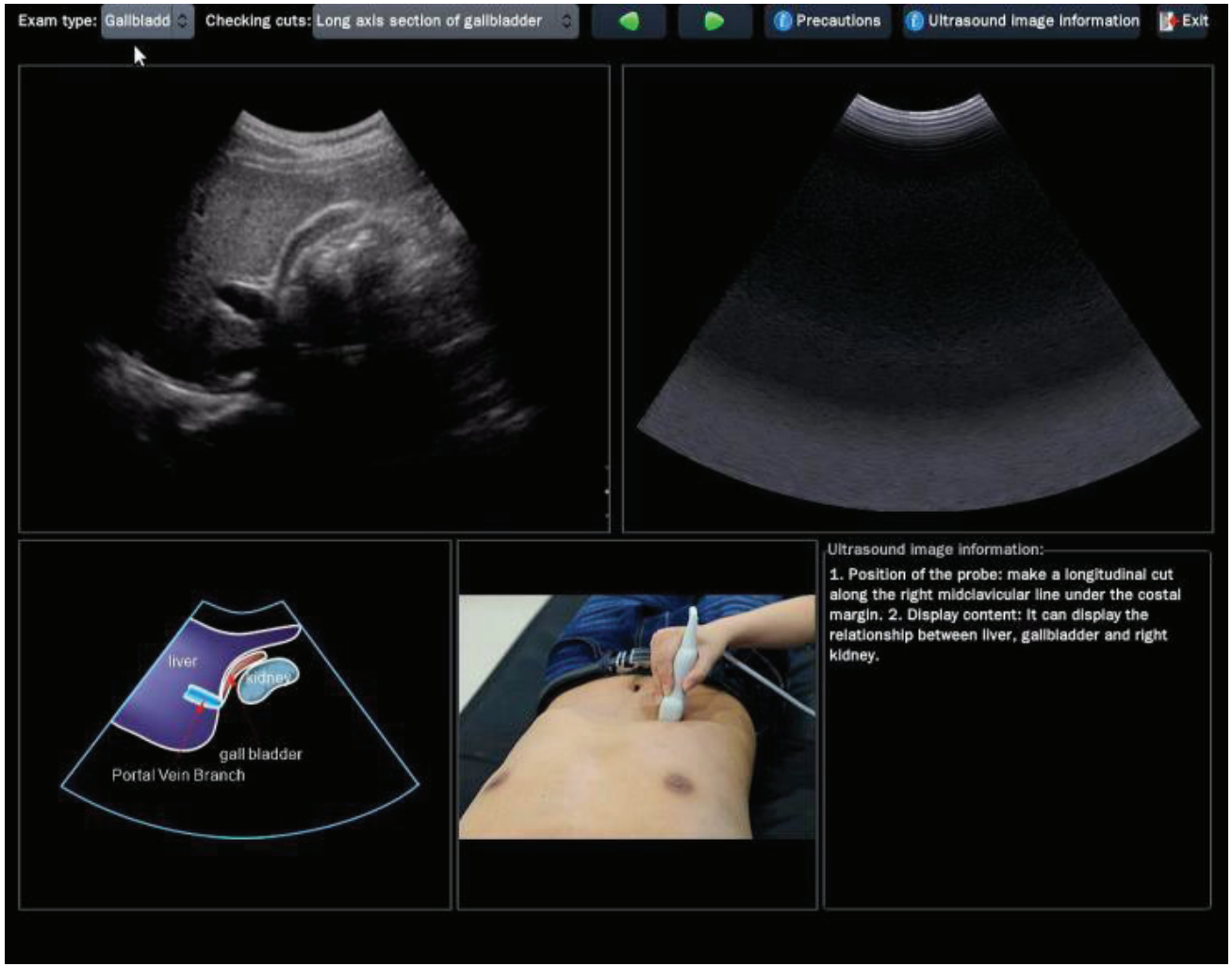


Needle Enhancement Technology

Needle enhancement for Ultrasound-Guided Biopsy.
It intensifies the visualization of needle from its surrounding environment, projects the route for biopsy needle intervention, and assists practitioner to perform operation with efficiency.

Assistant – Basic Scanning Educational Software

Assistant is the feature, developed by GE-Biomed to help new doctors/ sonographers to take the scan. This feature provides clinical and anatomical knowledge along with reference scanning images to achieve the rightful result.



Transducers

Probe	Type	Frequency Range (MHz)	Element
C128-50A	Convex Probe	2.0MHz~5.0MHz	128
L128-32C	Linear Probe	5.0MHz~12.0MHz	128
C080-15A	Micro-Convex Probe	5.0MHz~10.0MHz	80
C128-10B	Endocavity Probe	5.0MHz~10.0MHz	128

Convex Probe

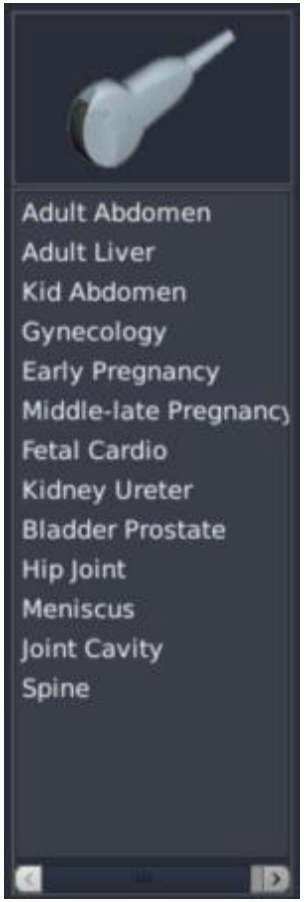
Linear Probe

Micro Convex Probe

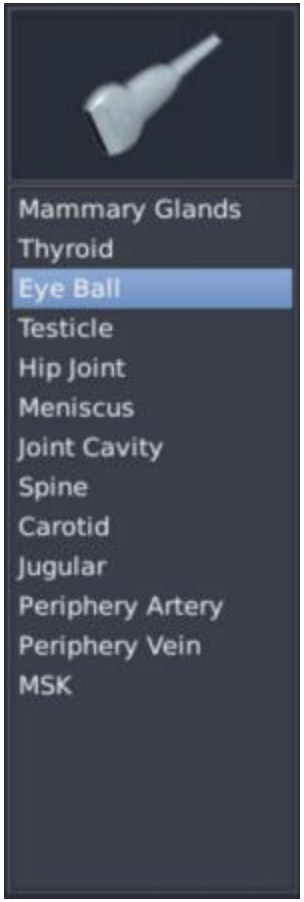
Endocavity Probe

Applications

C128-50A

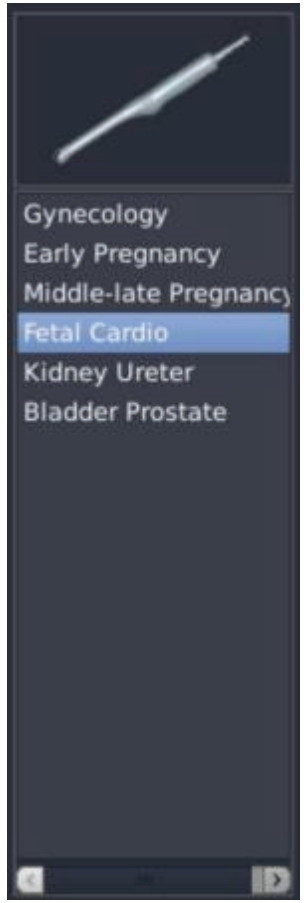


L128-32C



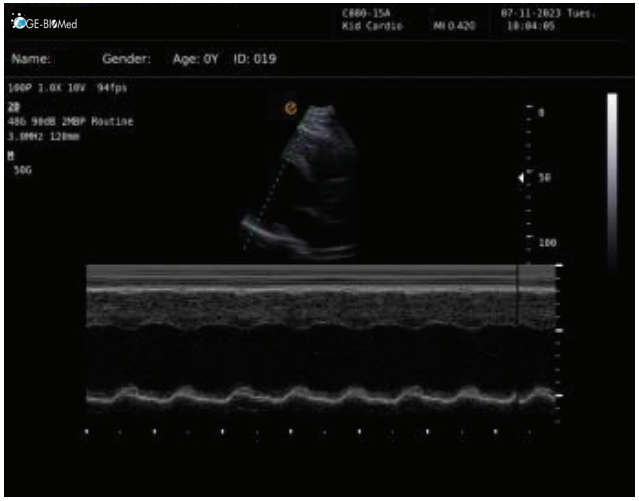
C080-15A

C128-10B



Clinical Images

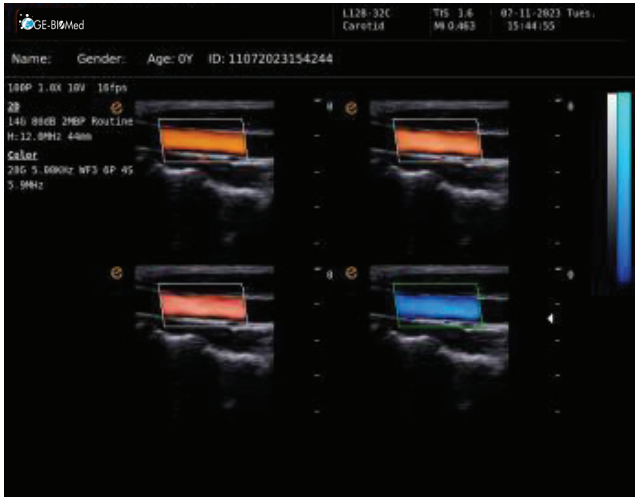
Cardiac + PW



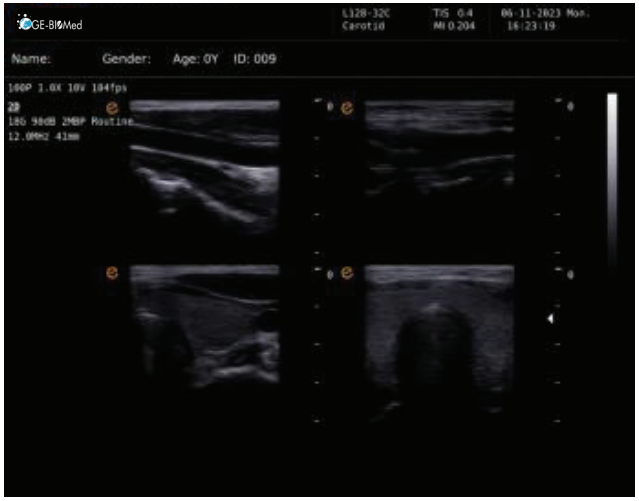
Cardiac + M Mode

Liver + PDI + PW

Liver + 2B

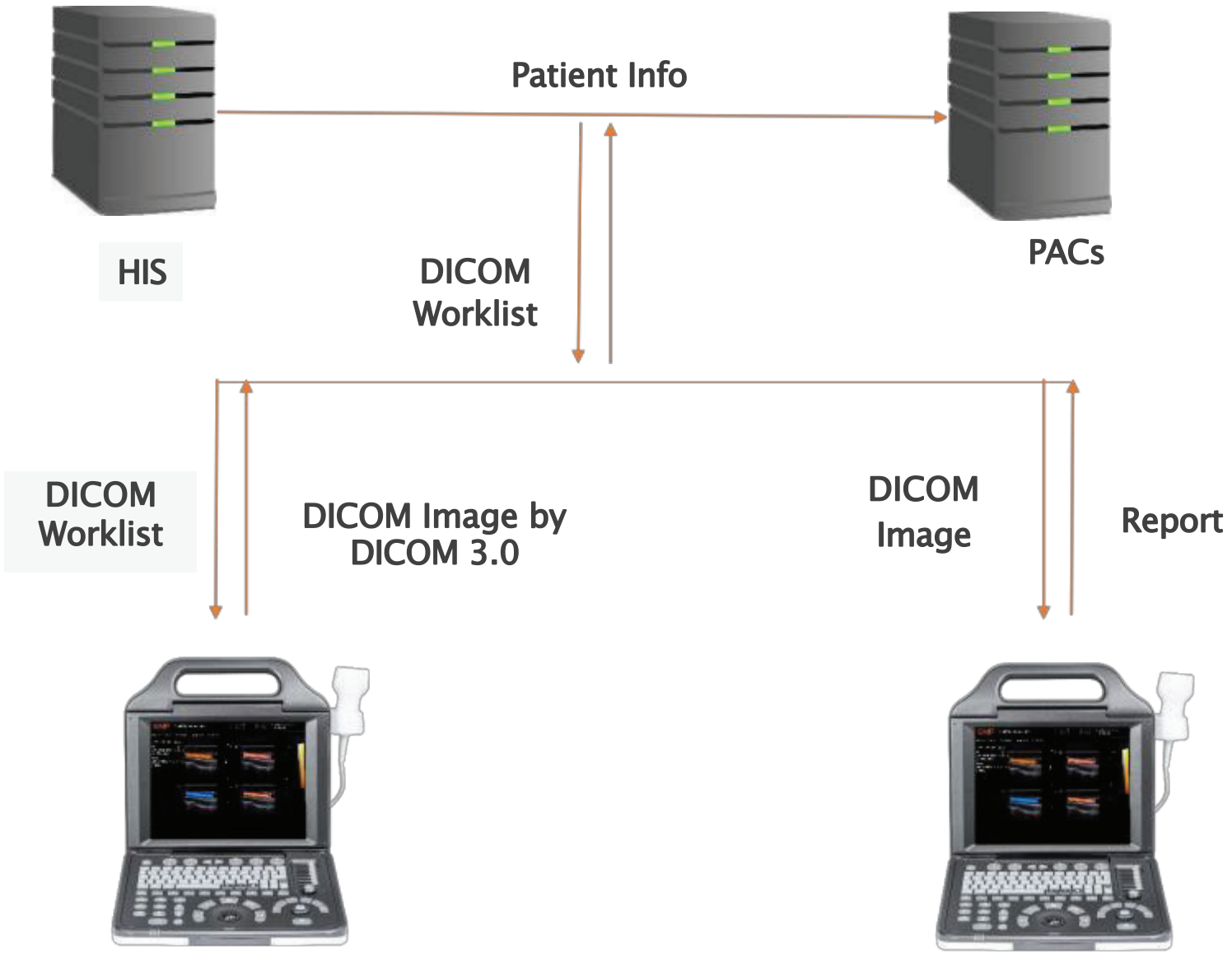


4B + PDI



Carotid + Thyroid + 4B

Hospital Information



Configuration

Standard

- Main Unit
- PW Mode
- PDI Mode
- Convex Probe
- Operation Manual
- Battery
- 128GB SSD

Optional

- 4 Probes
  - Convex Probe (C128-50A) 2.0~5.0MHz
  - Linear Probe (L128-32C) 5.0- 12.0MHz
  - Micro Convex Probe(C080- 15A) 5.0- 10.0MHz
  - Endocavity Probe (C128- 10B) 5.0- 10.0MHz
- Biopsy guide
- Trolley
- Carrying bag
- Printer

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