

CHISON

WWW.CHISON.COM

i8 ^{NEW}

ALL In One, Beyond Your Expectation



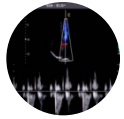
CHISON
Value Beyond Imaging



We can say i8 is.....

- **Shared service**
Meet the needs of clinicians' busy and challenging point-of-care environment.
- **Premium image quality**
It can perform any exam, from abdominal to vascular to cardiology
- **Powerful function**
i8 brings you more benefits in more ways than ever with wellness within reach.

Why i8?



Premium Performance



Extended New Features



Versatile Applications



High Efficient Workflow

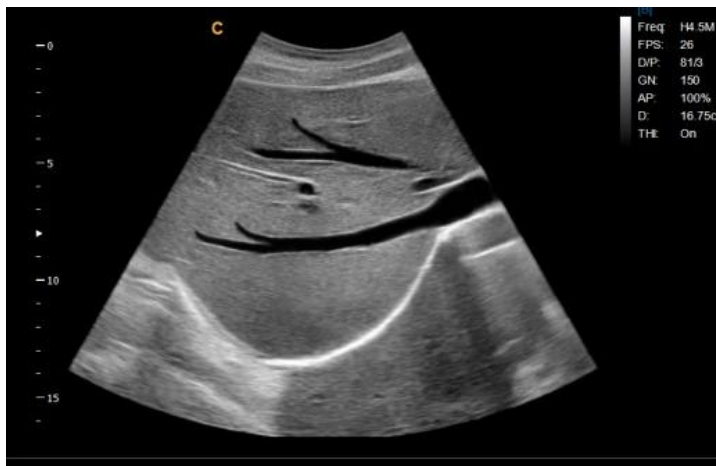




Technological innovations

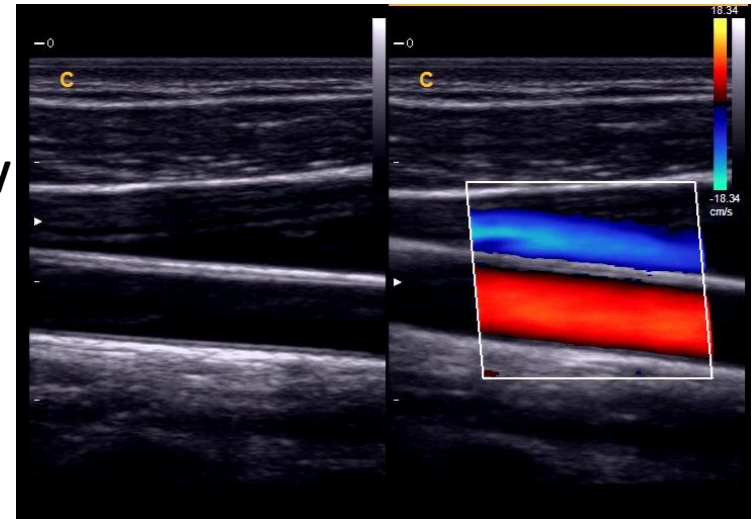
2D image

- Speckle reduction algorithm
- Space compound imaging
- Tissue harmonic imaging
- i-Image



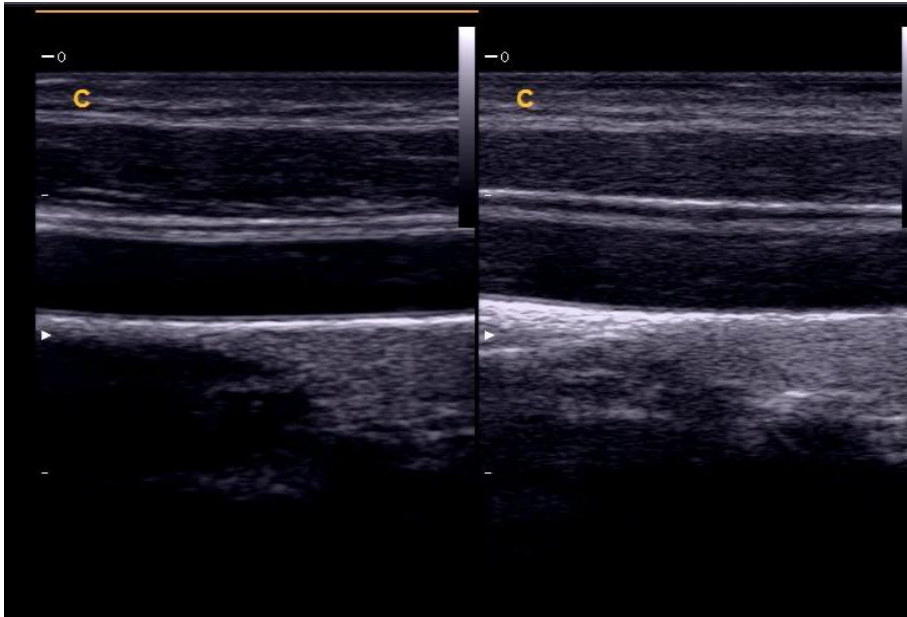
Color Image and Doppler Spectrum

- Double frame rate technology
- Color priority
- Color filter



- High resolution
- High sensitivity
- High frame rate

SRA (Speckle reduction algorithm)



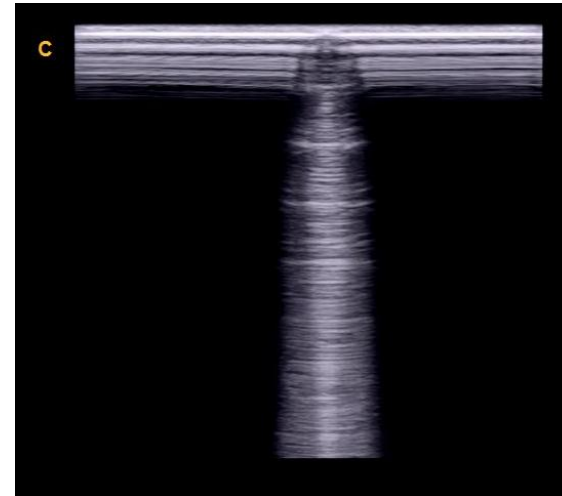
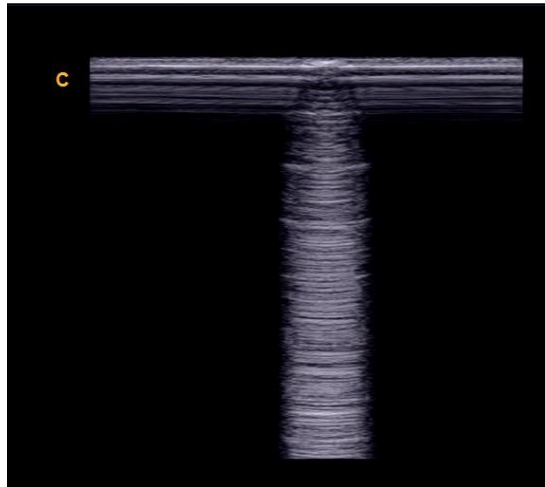
With SRA

Without SRA

- Preserve border definition
- Reduce speckles
- Smooth the tissue images
- Help indicate differences in tissues and anatomy

Space compound imaging

Metal Test

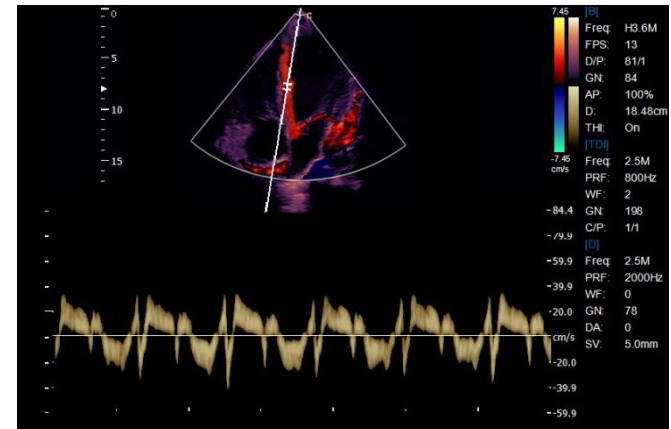
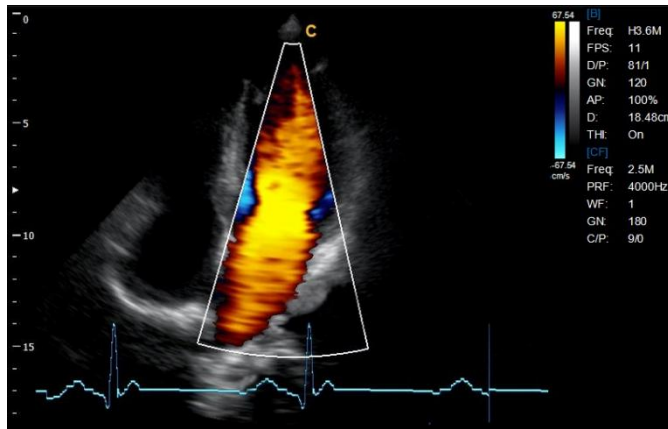
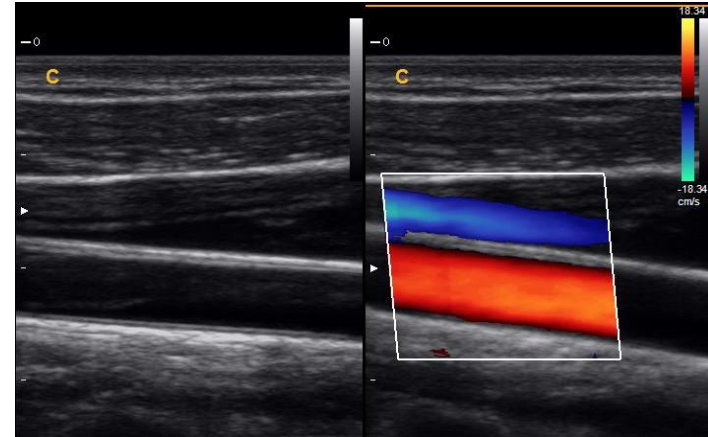


Compound off

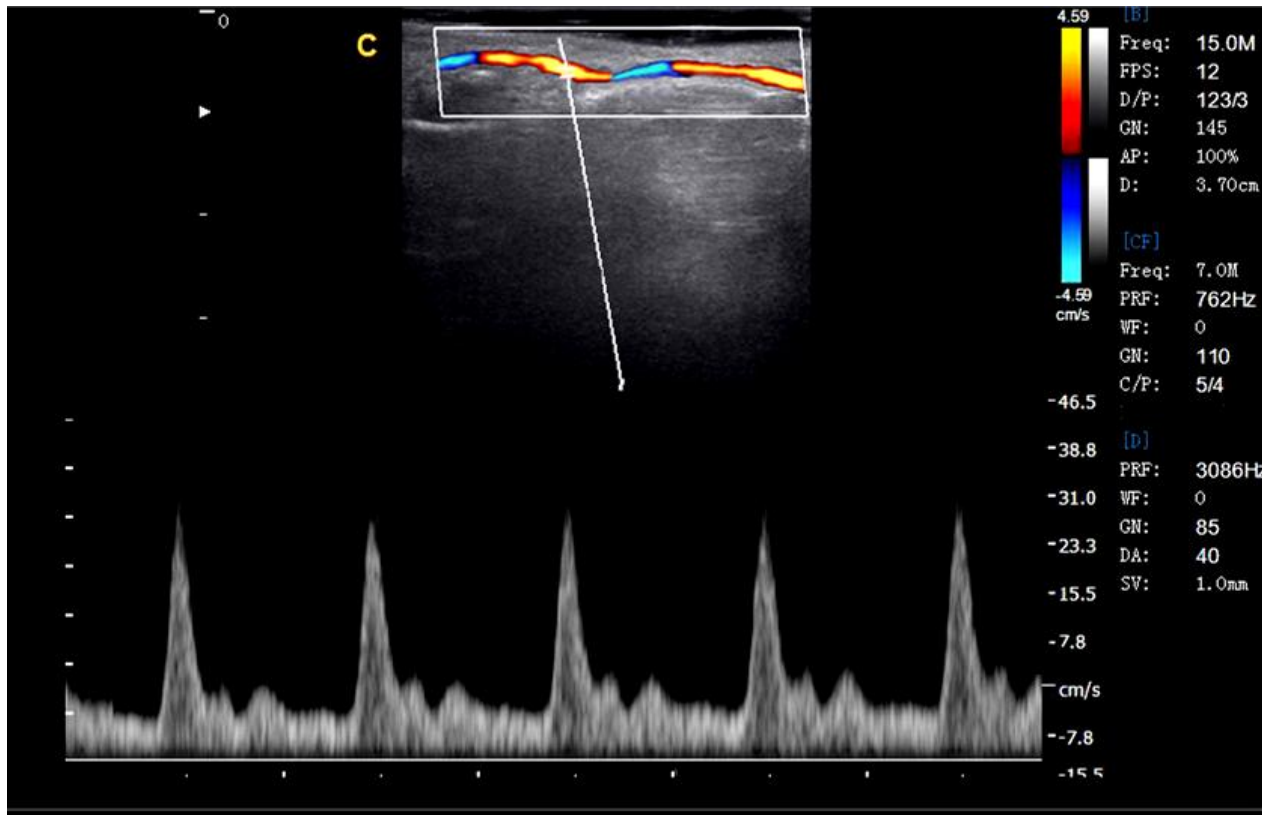
Compound on

- Improve the line density and improve the image quality
- Improve the contrast resolution
- Decrease the sidewall effect of the edge on the tissue

Image gallery



Finger vessel



D12L40L: High frequency linear array probe

FASHION OUTLOOK

- 19" High Definition Monitor
- User-friendly- control panel
- 4 probe connectors
- Dust filter



WHY I8?

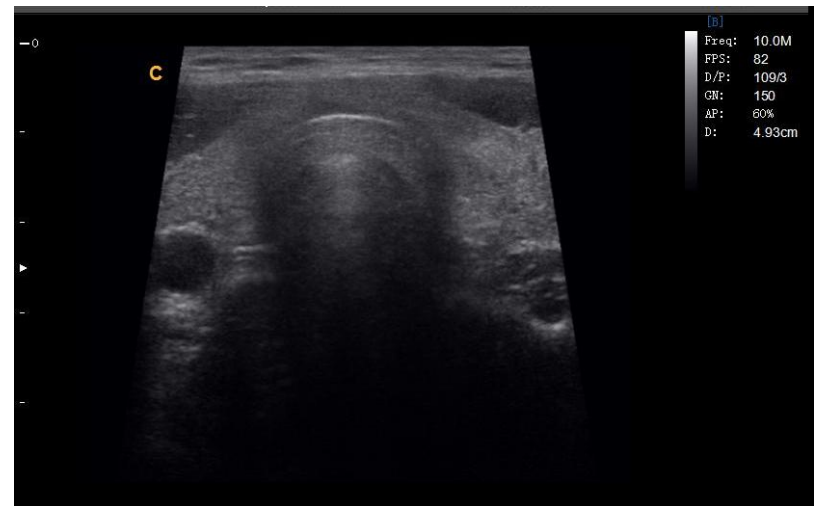
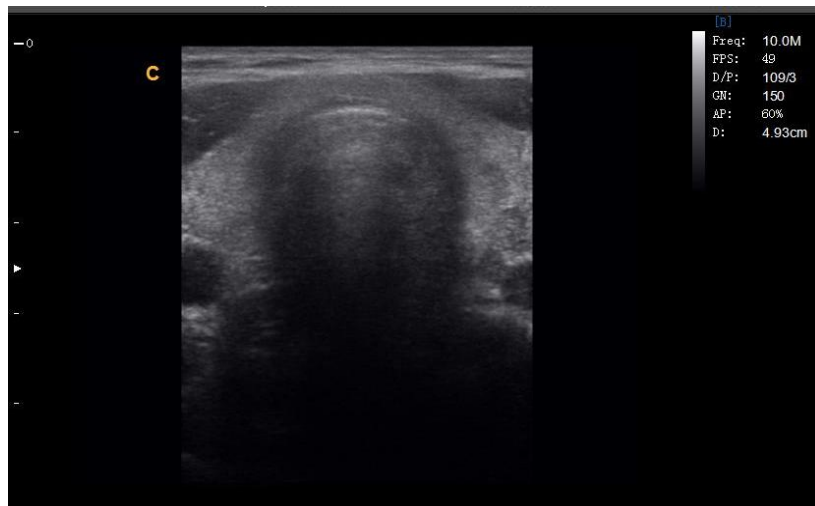
CHISON



- Trapezoid imaging
- Curved Panoramic imaging
- Super Needle
- IMT
- 2D steer
- Power Doppler mode
- B/BC mode
- 4D (virtual HD)
- CW
- HPRF mode
- Color M mode
- Free Steering M mode
- TDI
- ECG
- Auto PW trace in the real time
- Triplex /Quadplex
- Elastography

Trapezoid imaging

- Extend image area, get more image information at one time



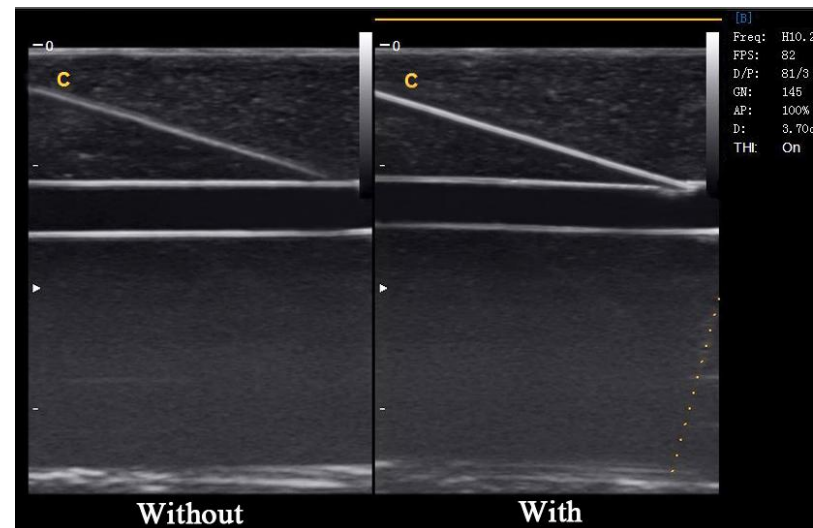
Curved Panoramic Imaging

- The extended field of view displays more image information without sacrificing image quality.
- A convenient approach for big-size organs, especially for the MSK structure



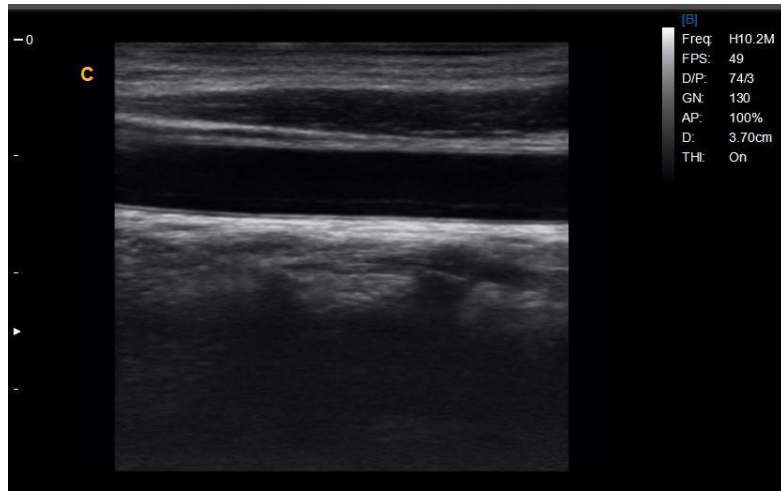
Super Needle

- Enhance the needle displaying in image , without distortion of the needle, increase successful rate
- Adjust angle from 0° to $\pm 30^{\circ}$, easily view the needle at various angles and depths for shallow and deep approaches
- More angle means deeper approach

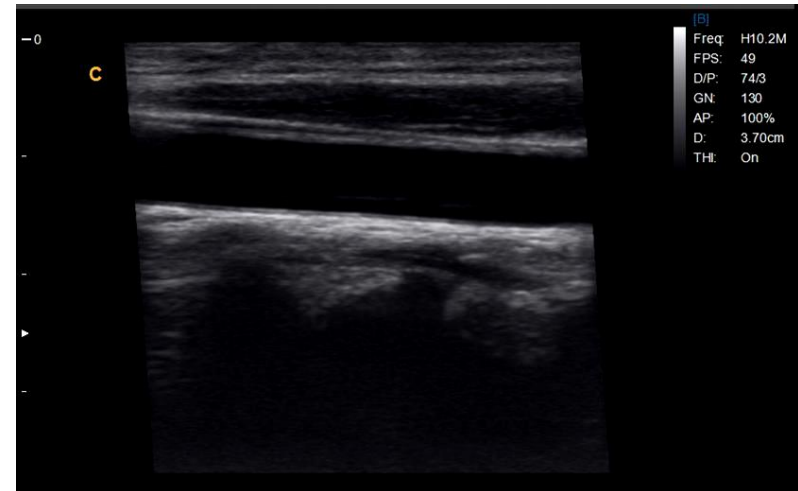


2D steer (Angle up to 20°)

- Steer the scan line of B mode, in order to receive more reflected eco
- More accurate needle surface and small vessel



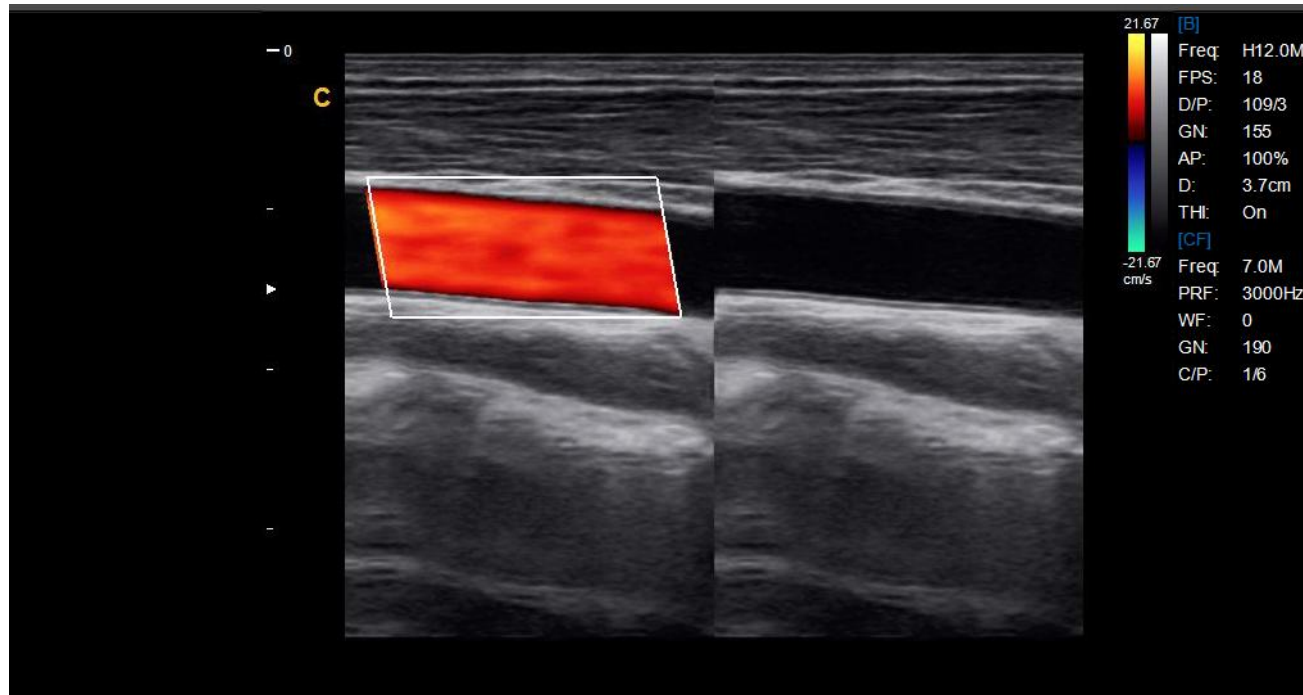
Without 2D Steer



With 2D Steer

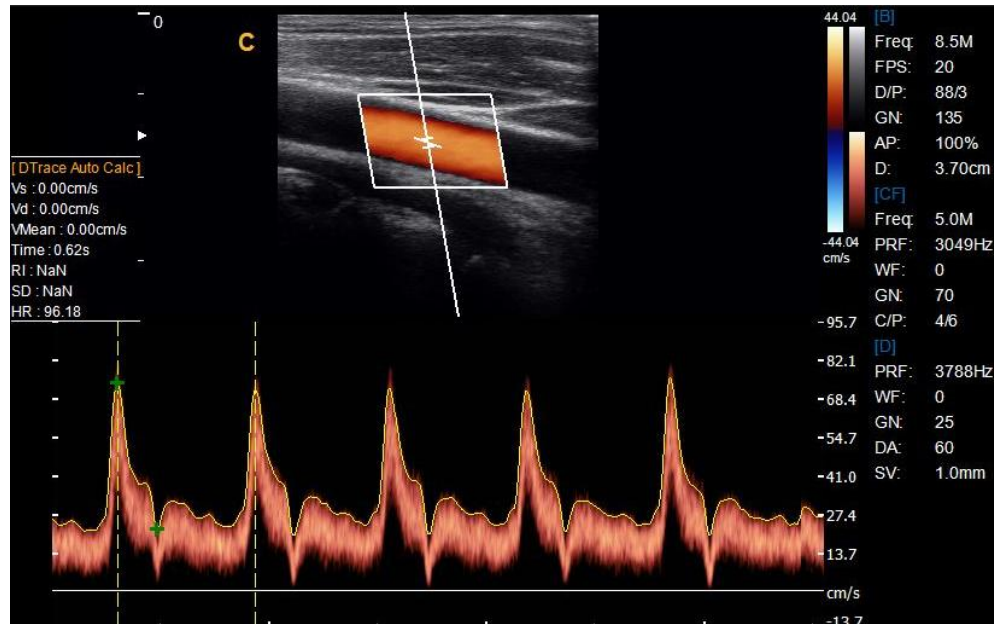


B/BC mode



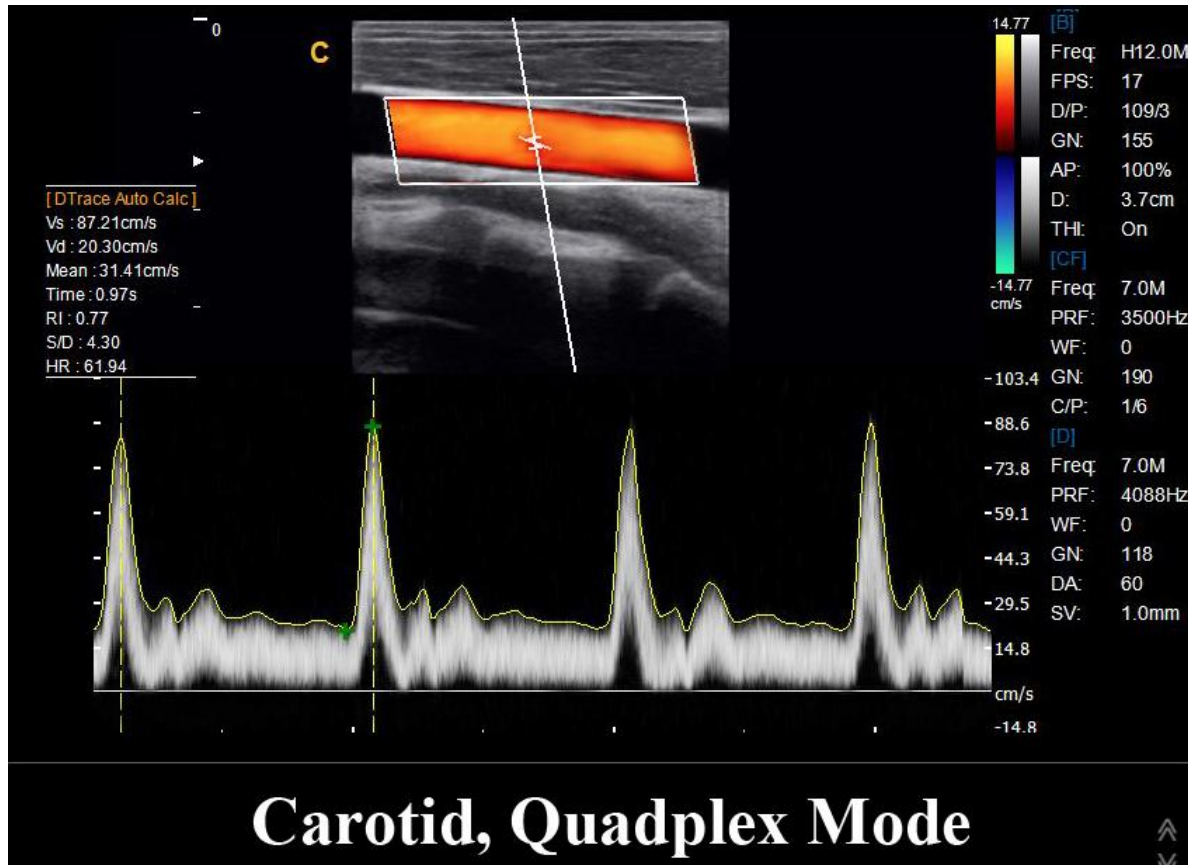
- View B/W image and color image at the same time

Automatic PW trace in the real time



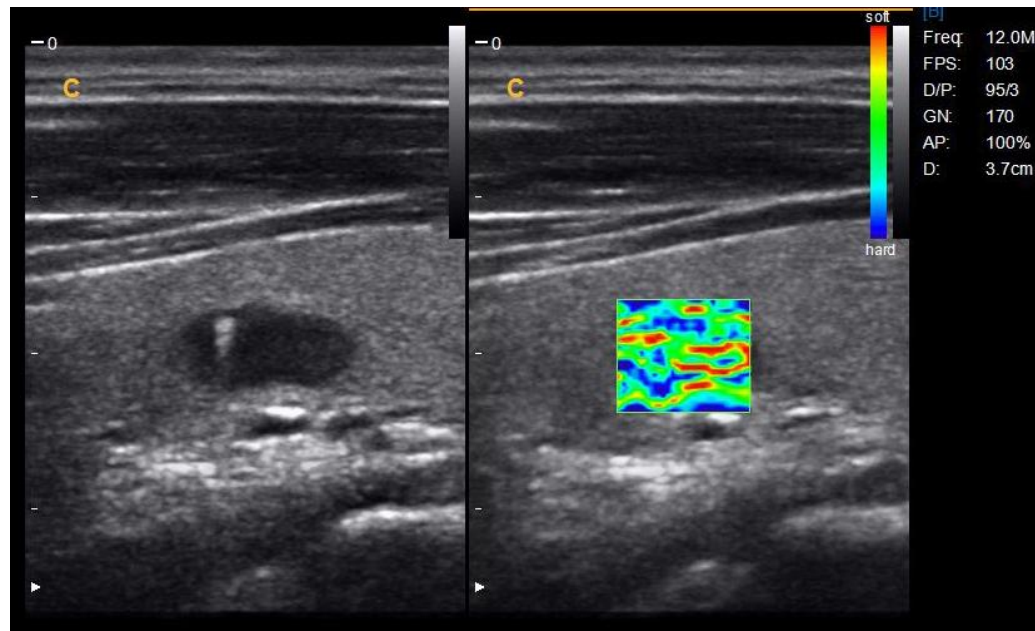
- Automatically envelop the spectrum and provide powerful measurement data in real time
- Convenient for doctors and patients

Quadplex (B, C, D, Trace)



Elastography

- Extend ultrasound diagnosis method
- Provide more clinical information , especially for breast tumor, thyroid ,liver and prostate calculus





Press the probe on the surface



According to different eco shift range, calculate the tissue elasticity



according to the difference of the tissue elasticity to put the color

Use the red and blue to display the tissue elasticity difference

soft



hard



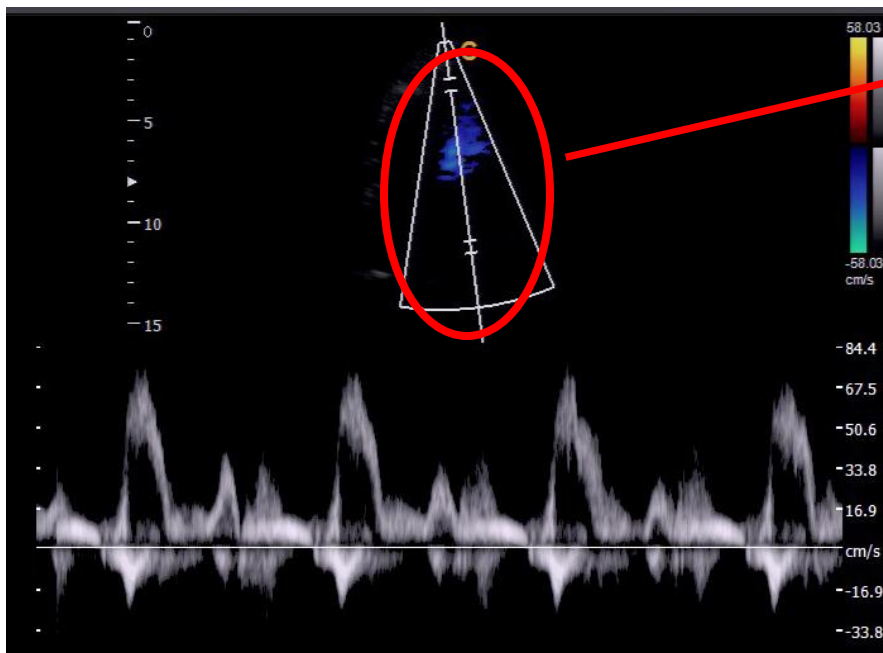
soft(S)



hard(H)

color display of the tissue elasticity

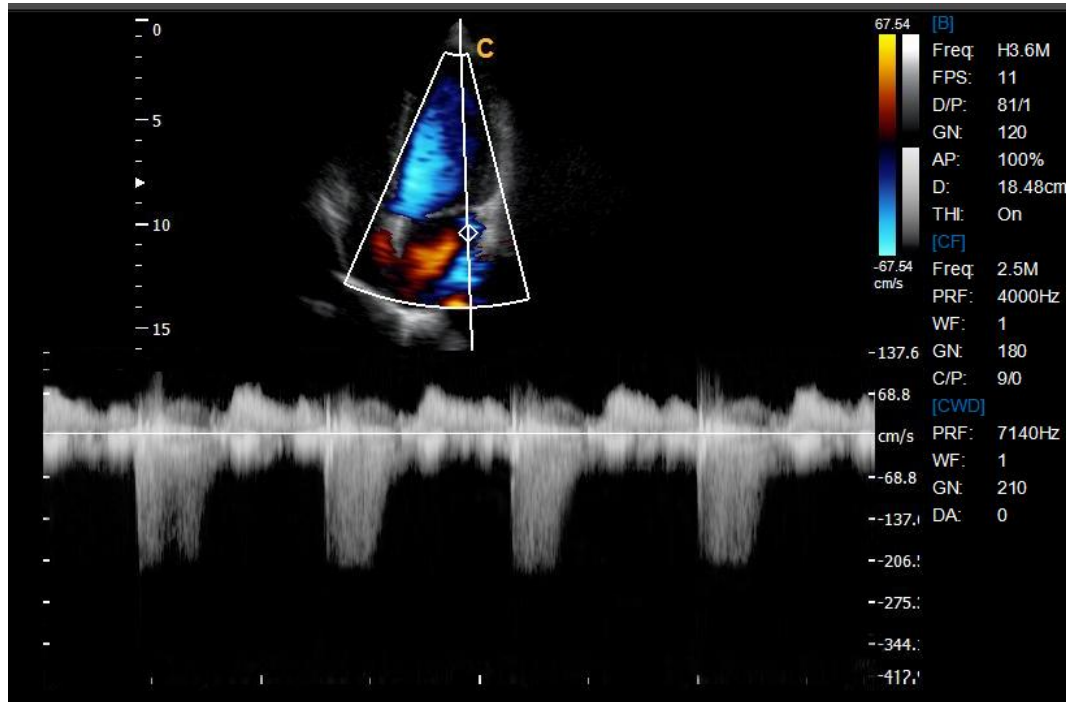
HPRF (High Pulse Reputation Frequency)



Two sample gates

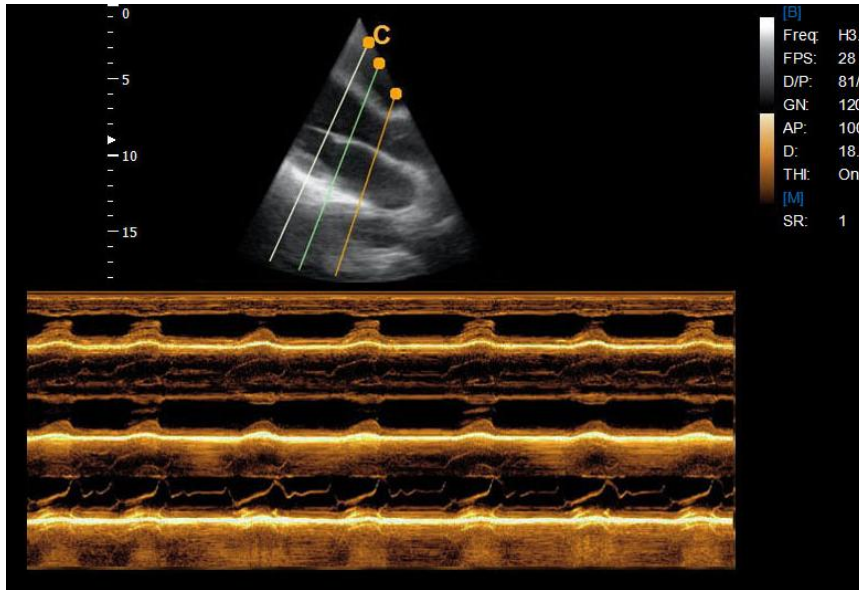
- **Accurate positioning**
- **Measure high velocity**

CW mode

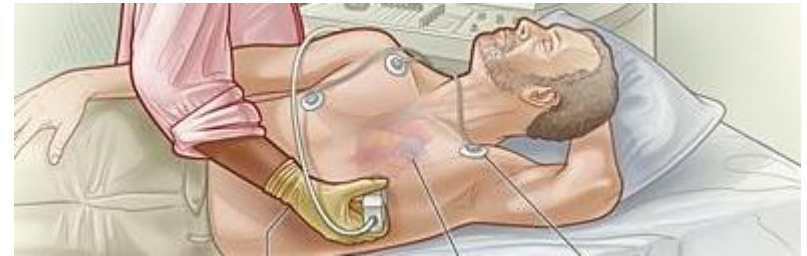


- Absolutely essential to cardiac exam
- Regurgitation (mitral valve, aorta valve)

Free Steering M mode



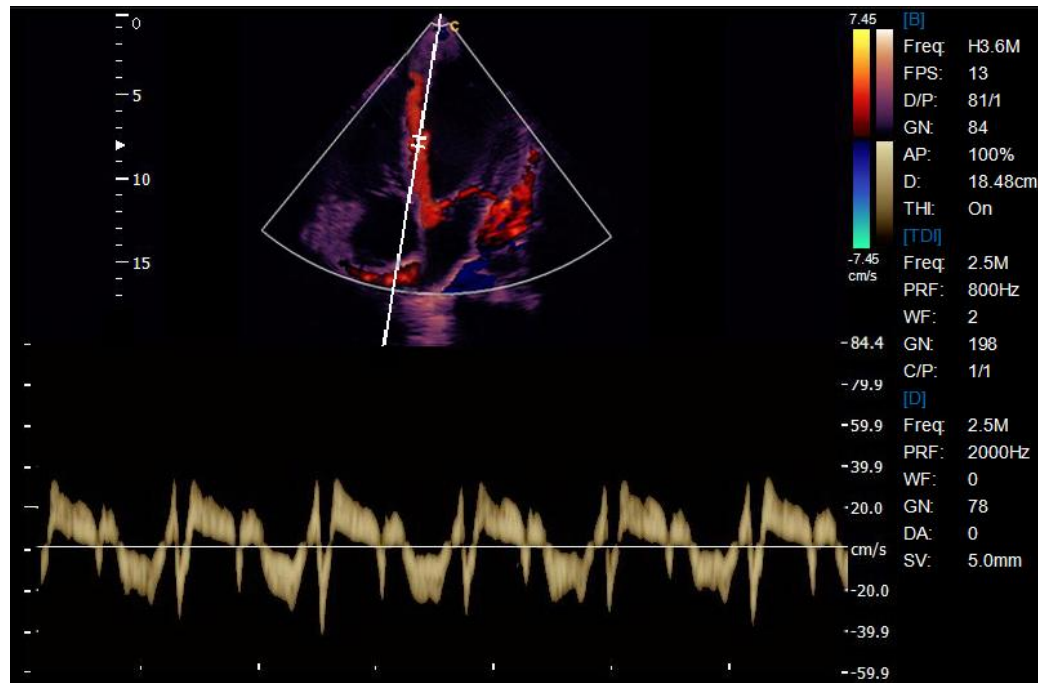
- Three sample lines
- 360° rotated for each one
- Set at any place



Upturned apex cardiac structure

TDI

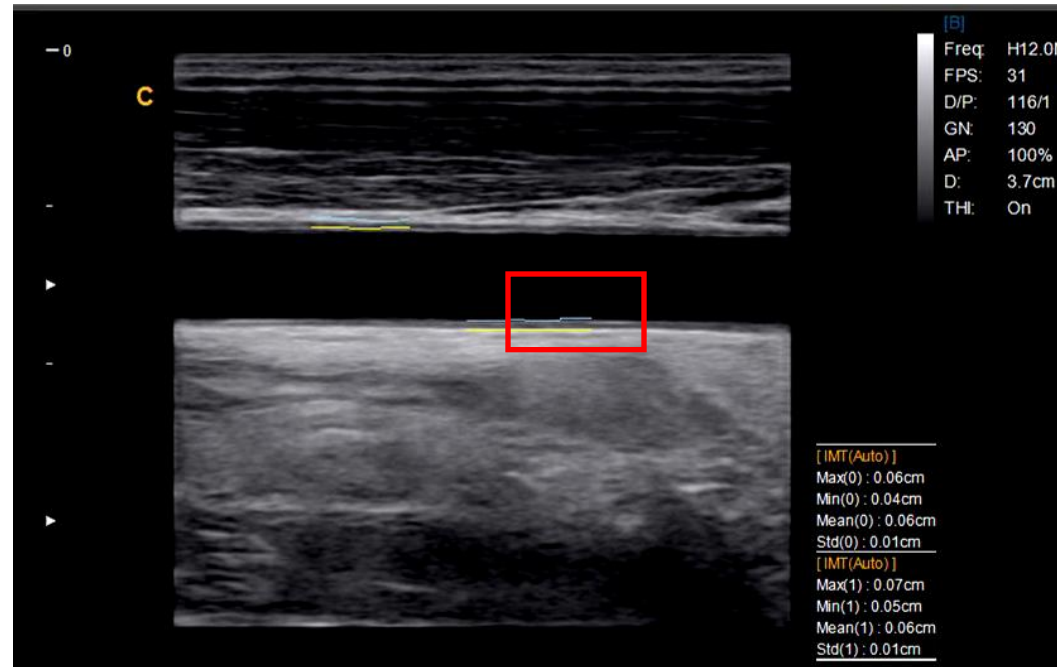
evaluate myocardium motion accurately



- Doppler imaging quantifies low-velocity myocardium motion



IMT



- Trace intima automatically
- Provide three results at the same time
- Greatly simplify the work flow
- A important sign for diagnose the atherosclerosis



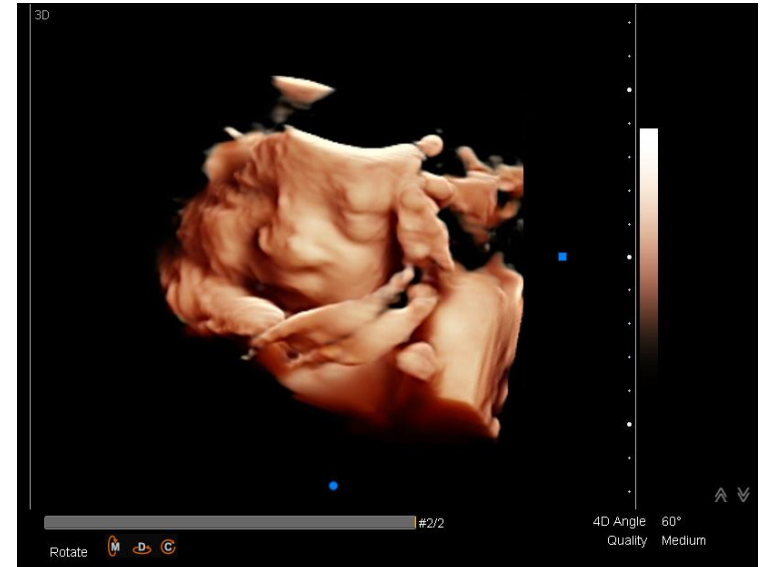
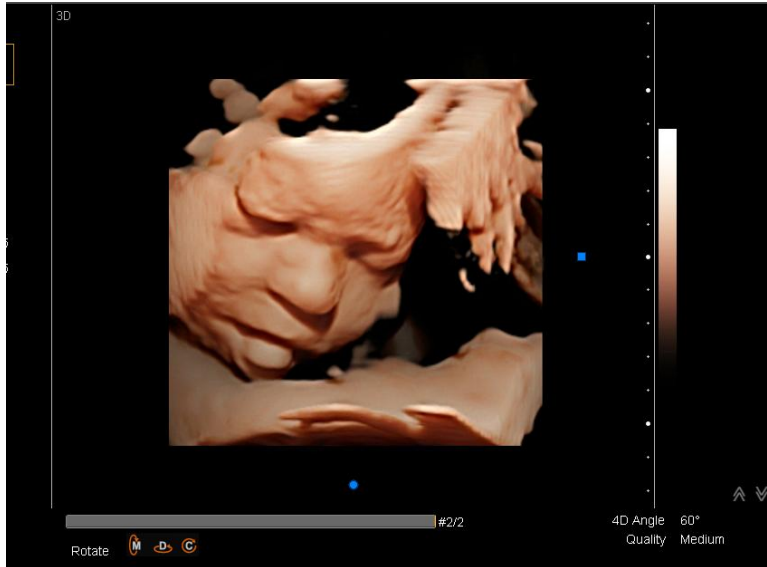
4D

- High quality 4D image with 4T technologies





Virtual HD



- Virtual HD is a breakthrough in real-time 4D technology. This
- revolutionary feature dramatically improves the 4D image to allow
- doctors envision the fetus more vividly than ever.


Huge Probe Family & Durable Quality



cardiac



Abdomen
OB/GYN



Vascular,
small
parts



POC

18Mhz linear Probe



D12L40L Linear

- **Maximum frequency up to 18Mhz.**
- **It's designed for superficial vessel、 nerve and small parts.**
- **Also keep enough penetration, up to 8 cm.**

Complete Solution of Accessories **CHISON**

Biopsy kits Configure






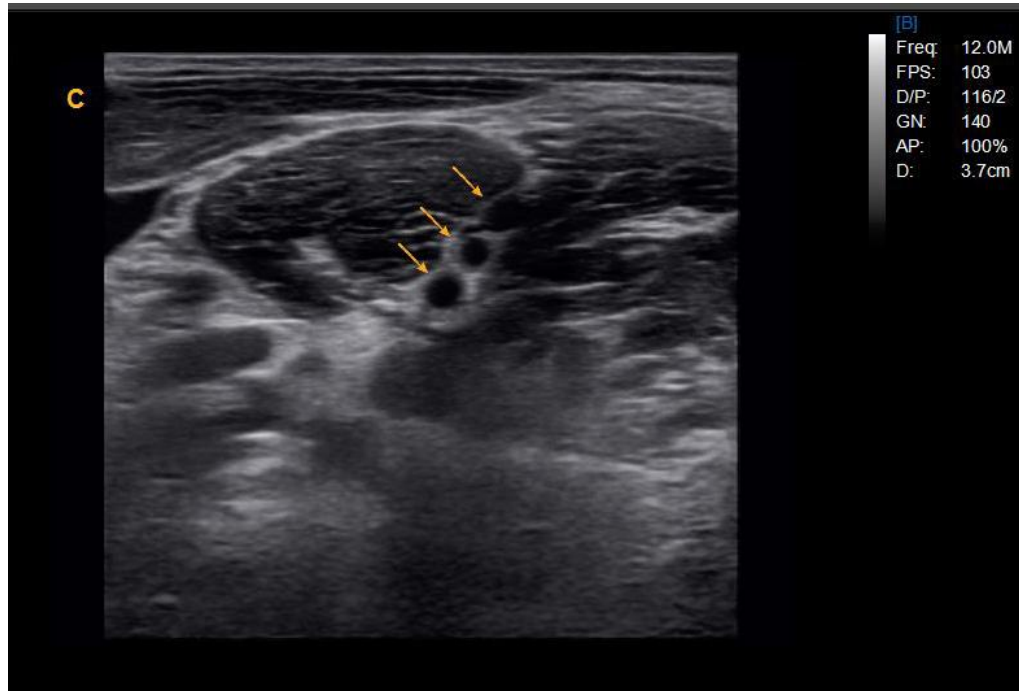
Part number	Probe type	Picture
BC04-A	D3C60L	
BL03-A	D7L40L	
BT03-A	D6C12L	
BT04-A	D7C10L	
BC06-A	D3C20L	

Image Gallery(D12L40L)

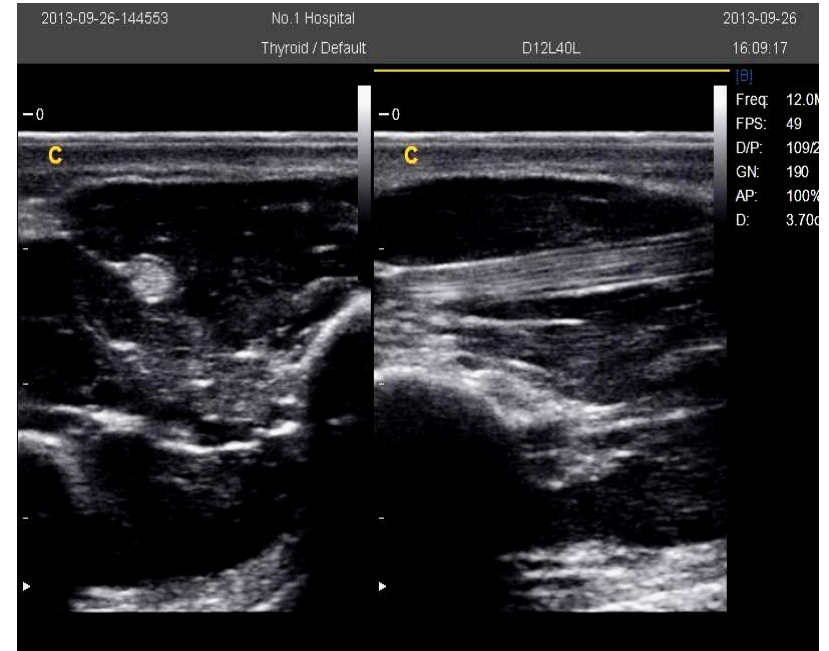


Brachial Plexus

Even small structures can be easily detected with high resolution



Carotid: filling of blood



Layer of the thumb flexor tendon: good resolution

Seven one key function

- One key to **AIO**
- One key to **Measure**
- One key to **Save**
- One key to **Print**
- One key to **Upgrade**
- One key to **Review**
- One key to **Language exchange**



Intuitive user interface
is convenient to use



i8 is.....

- **OB : 4D**
- **Small parts: 18Mhz linear probe, elastography**
- **Cardiovascular : professional cardiac package ;
IMT**
- **POC: super needle**

