

See the future
SIUI



Apogee 3500

Omni

Apogee 3500

ALL-IN-ONE SOLUTION TO MAXIMIZE
YOUR ULTRASOUND INVESTMENT



See the future
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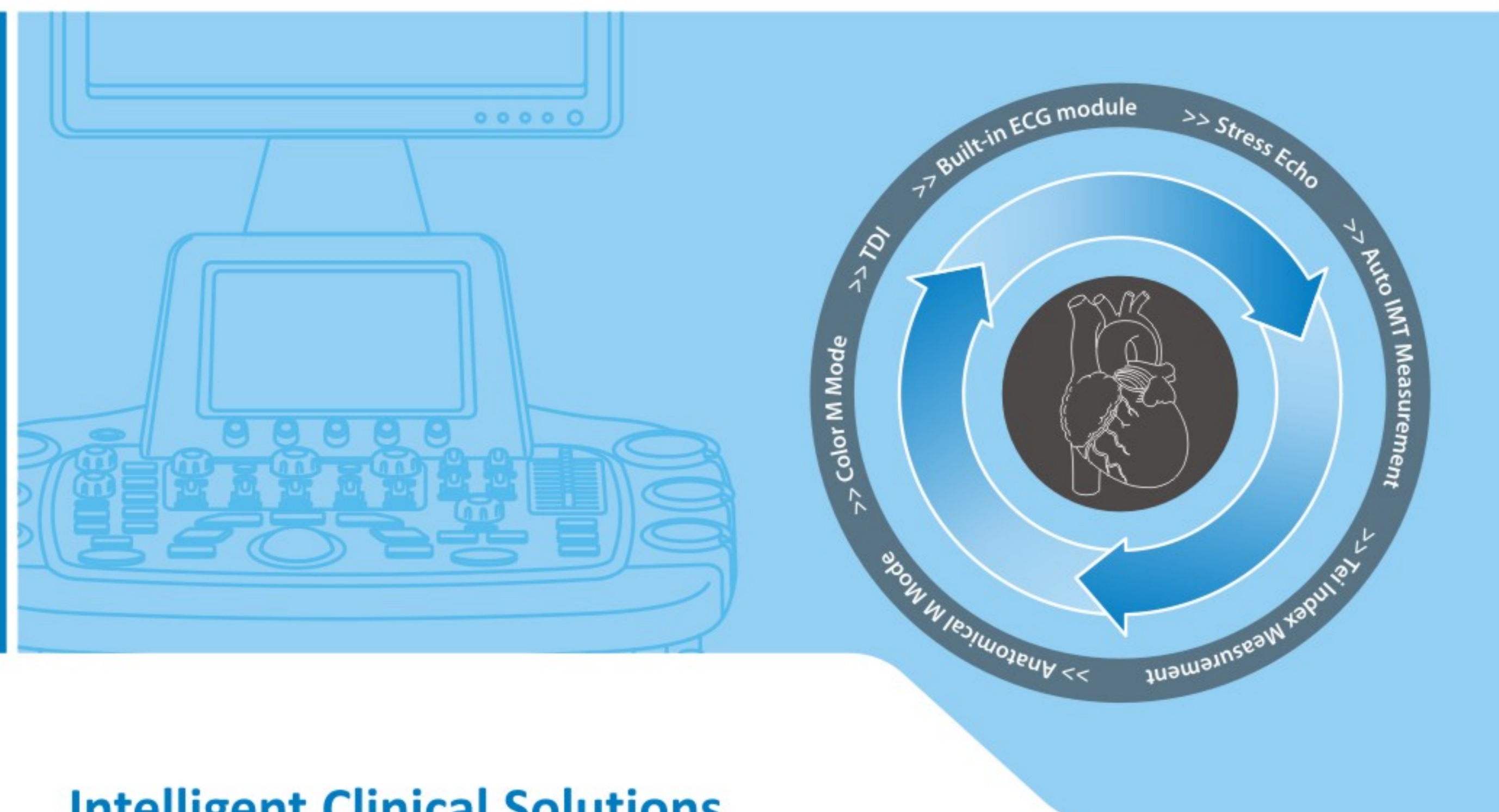
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Apogee 3500Omni/8A01

Apogee 3500 Omni

Driving technology always brings changes for customers, so does Apogee 3500 Omni.

Equipped with extraordinary efforts by SIUI's R&D department, Apogee 3500 Omni is the right choice with cost-effective benefits for radiologists and cardiologists.



Intelligent Clinical Solutions

Advanced Cardio-vascular Kits

With exceptional image quality, Apogee 3500 Omni has reliable cardio-vascular package to cover most necessary requirements by cardiologists, such as HPRF, steering CW, anatomical M mode, color M mode, TDI, built-in ECG, stress echo, auto IMT measurement and Tei index measurement.

TDI

It enables visible velocity indication of heart wall motion based on Doppler effect, and provides supporting evidence for cardiac diagnosis.

Built-in ECG Module

It helps to identify different time phases in the cardiac cycle for accurate diagnosis.

Auto IMT Measurement

It automatically measures Intima-Media Thickness especially for carotid artery wall, so as to evaluate cardiovascular diseases such as hypertension diabetes.

Anatomical M Mode

With free 360-degree rotation sample lines, up to 3 line options, it assists more exact analysis of cardiac structure movement even in difficult heart positioning.

Tei Index Measurement

It offers echocardiographic evaluation of ventricular function in adults and children.

Stress Echo

The stress echo package, including physical and pharmacological stress, assists in observing how cardiac muscles respond to stress, for diagnosis of coronary artery disease.

Color M Mode

By combining Color Flow Doppler with Motion Echocardiography, it provides an effective way to evaluate the 2D/time relations between cardiac flow and cardiac structure movements.

High-definition Phased Array Probe

It offers both options of phased array probes: low frequency (1.7 to 4.0MHz) specialized in adult cardiac exams, and high frequency (3.5 to 7.0 MHz) exclusive for pediatric cardiac exams.

Panoramic Imaging

The panoramic imaging allows doctors to get a wide view of large area tissues.

Smart One Key Optimization

With only one button clicking, the system will help doctors to achieve a reasonable good image in B mode and pulsed wave Doppler mode, largely increasing the diagnosis efficiency.



EXTRAORDINARY IMAGING TECHNOLOGY

We understand what the importance of image quality means to ultrasound specialists. With pioneering imaging technology, Apogee 3500 Omni explains the understanding of image quality from SIUIers.



◎ Multi-beam Forming Technology

The system has the ability to multiply receive and process scanning lines of images from each element, which largely increases the frame rate of images in B mode and 4D mode and contributes to outstanding cardiac performance.

◎ Accurate Doppler Flow Imaging

The system is designed to analyze the position of Doppler signals and make adaption simultaneously, for the purpose of enhancing Doppler signals, increasing the penetration of Doppler signals and reducing Doppler artifacts.

◎ Spectrum Compound Imaging

The system both emits and receives ultrasonic waves and echoes in varieties of frequency range, to guarantee both resolution in the near field and penetration in the far field.

◎ Broadband Harmonic Imaging

The system can successfully achieve both high penetration and spatial resolution in Harmonic mode by compounding varieties of Harmonic echoes.

◎ Adaptive Speckle Reduction Technology

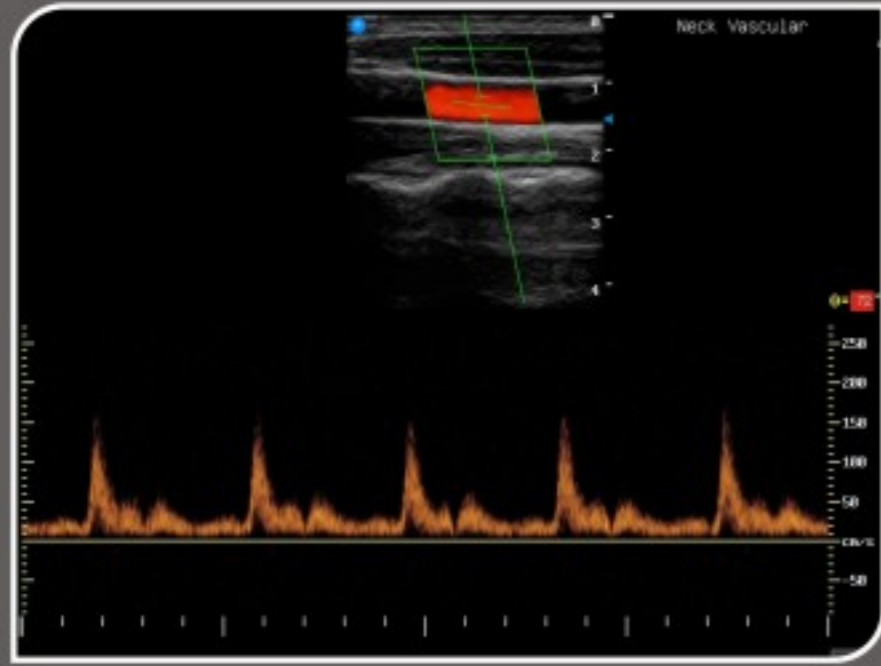
The system is able to automatically track, identify and enhance useful tissue-characteristic information via 2 modes of SRT technology, as a result

- Reducing noise and artifacts
- Purifying tissue shading and edging
- Improving contrast resolution
- Helping early identification of tissue/structure lesion

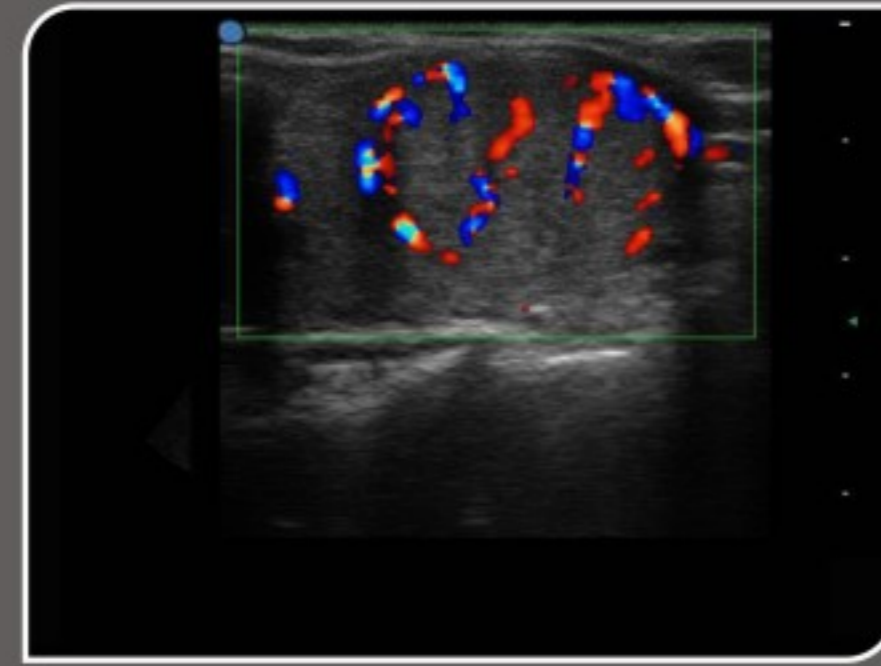
◎ Spatial Compound Imaging

The system can scan the target by multi-direction beamforming thus to ease echo artifacts and improve spatial resolution.

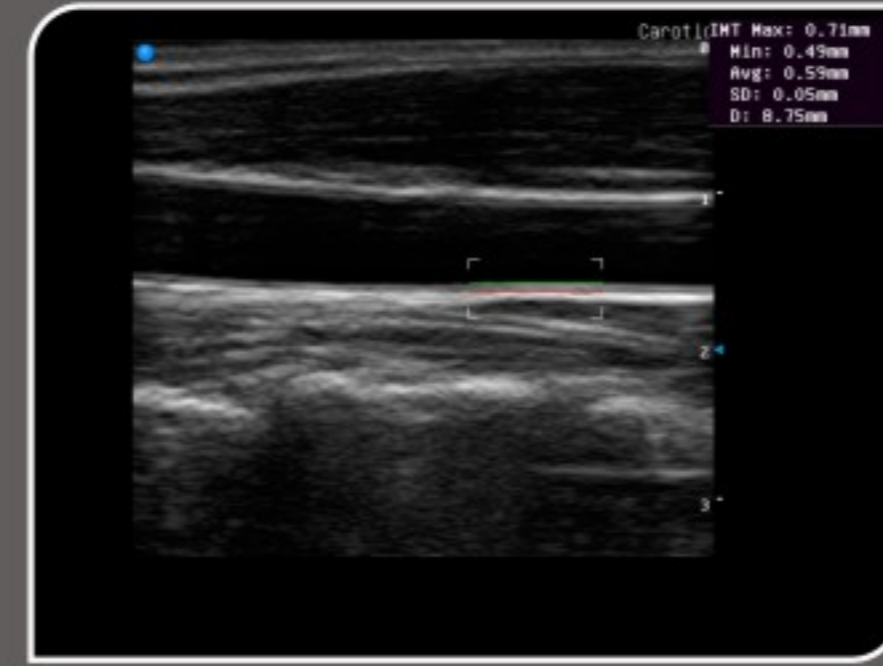
IMAGE GALLERY



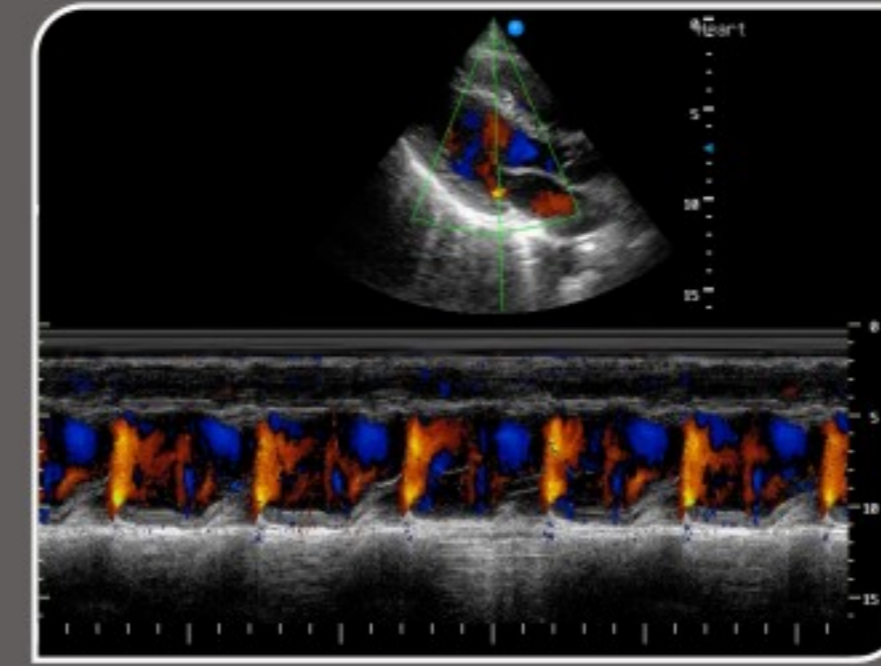
BC/PW, triplex of carotid



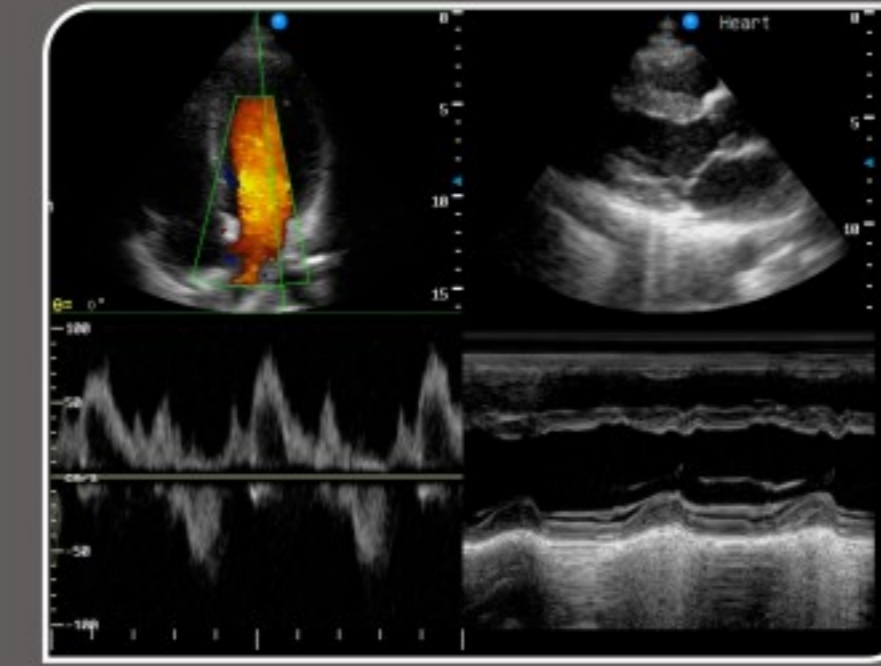
Onychoma



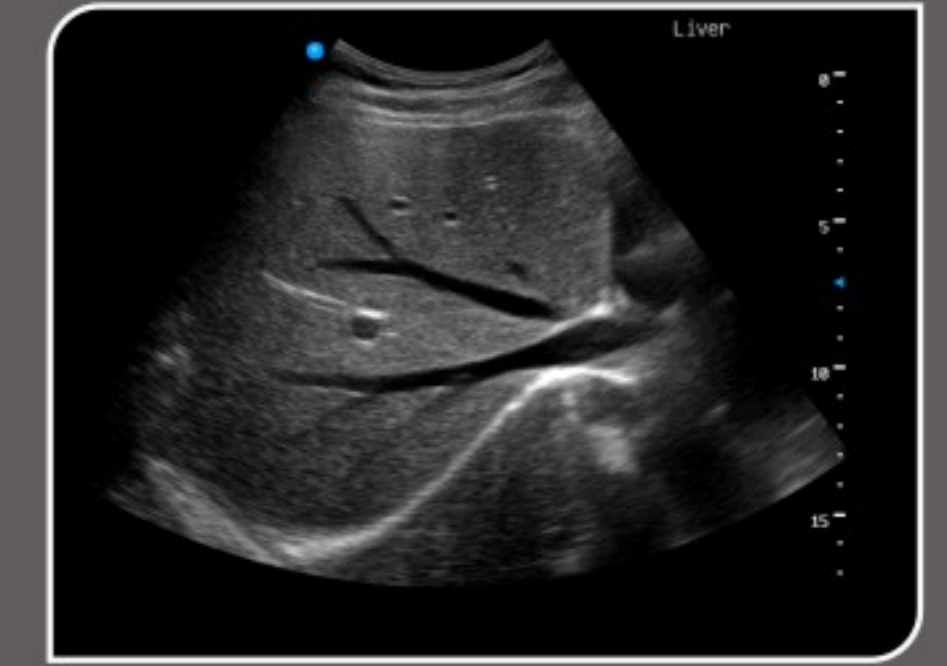
IMT of Carotid



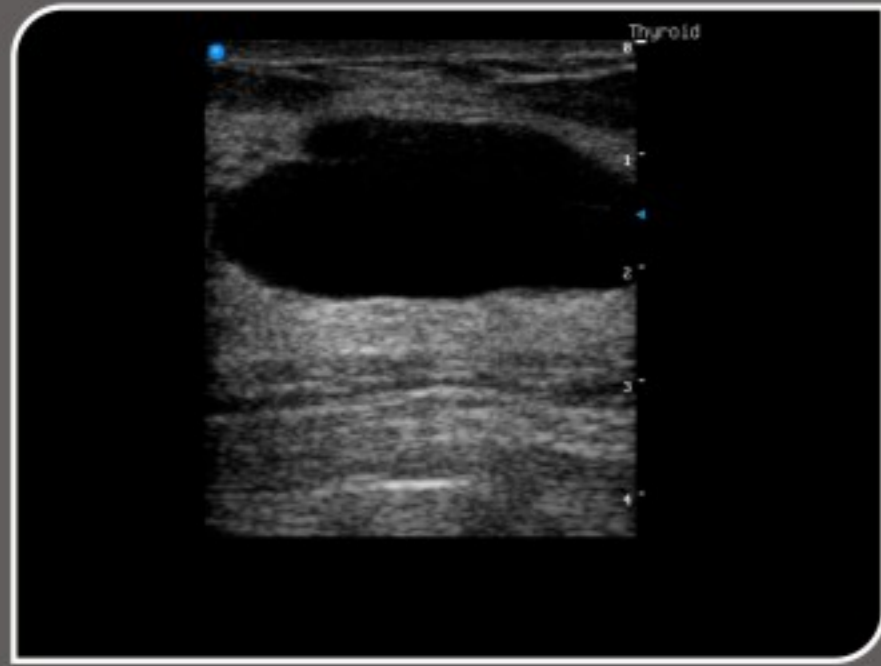
Color M mode in cardiac exam



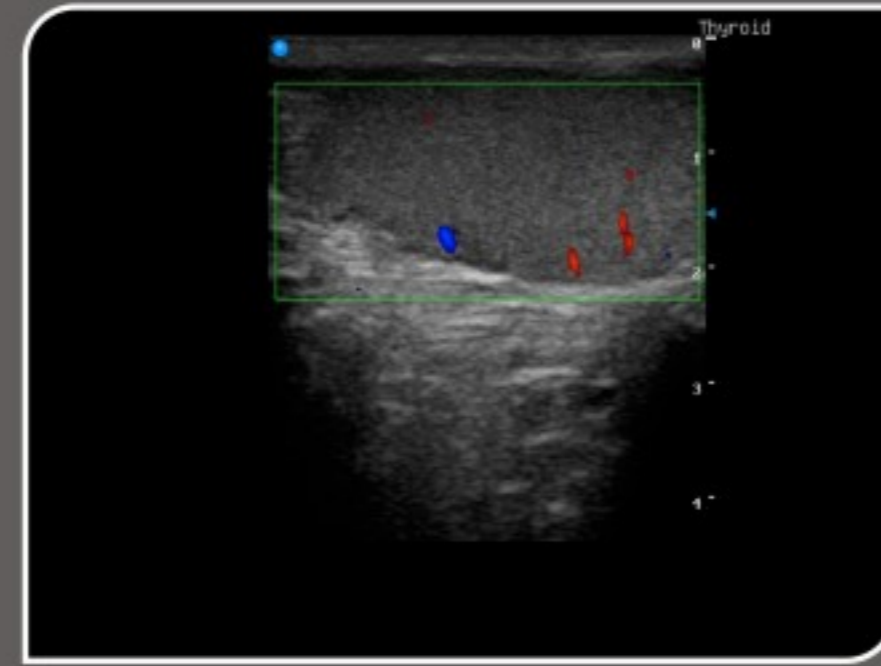
BC/PW, BM mode, smart dual mode in cardiac exam



Liver



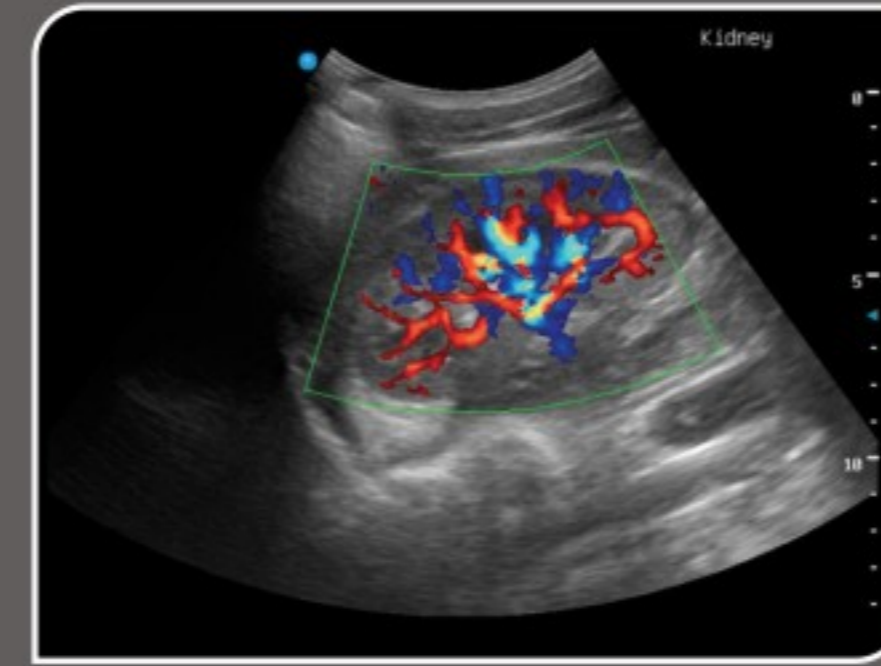
Mammary cyst



Testes



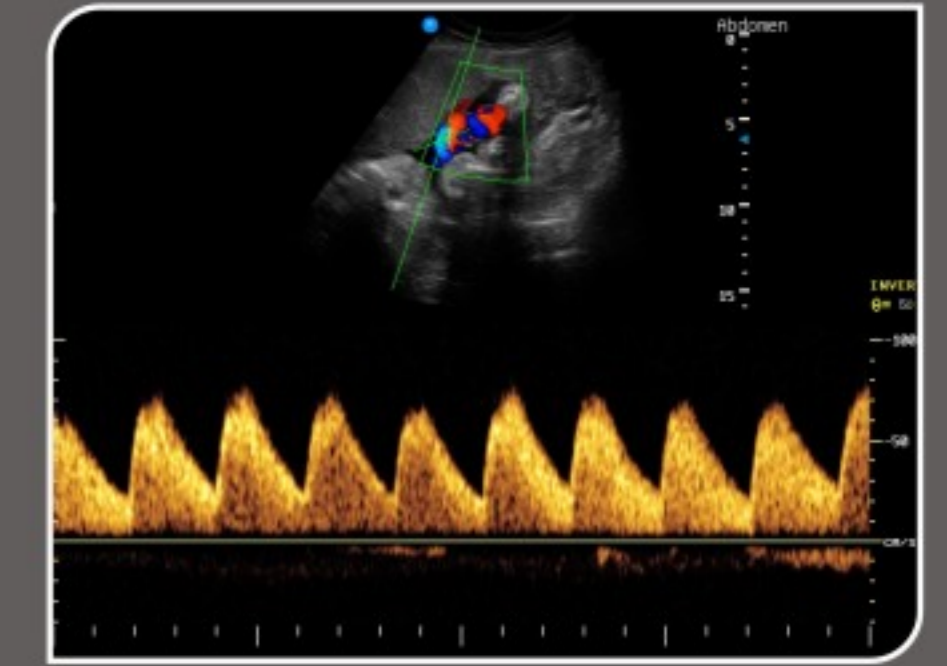
Four chamber view of heart



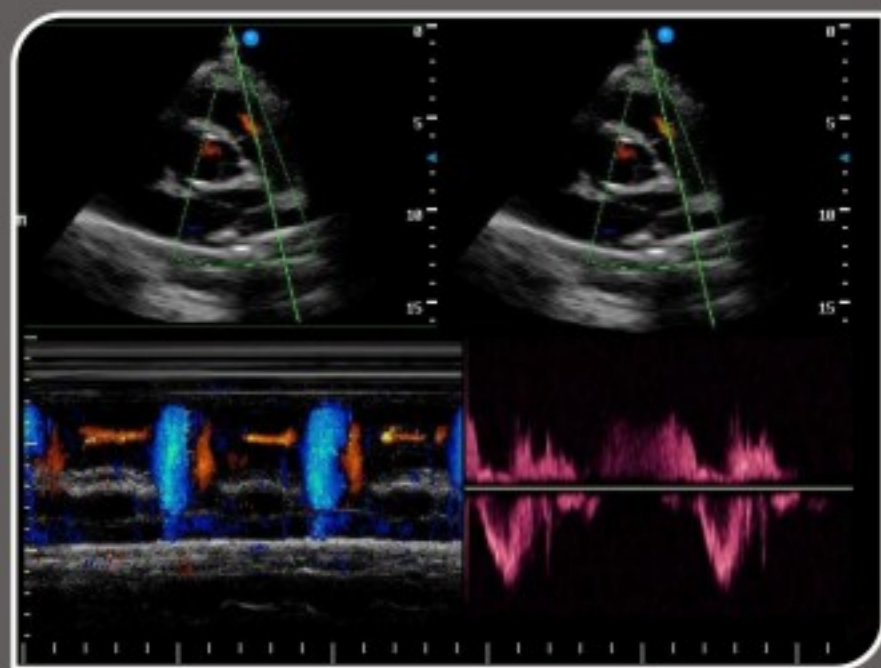
Kidney



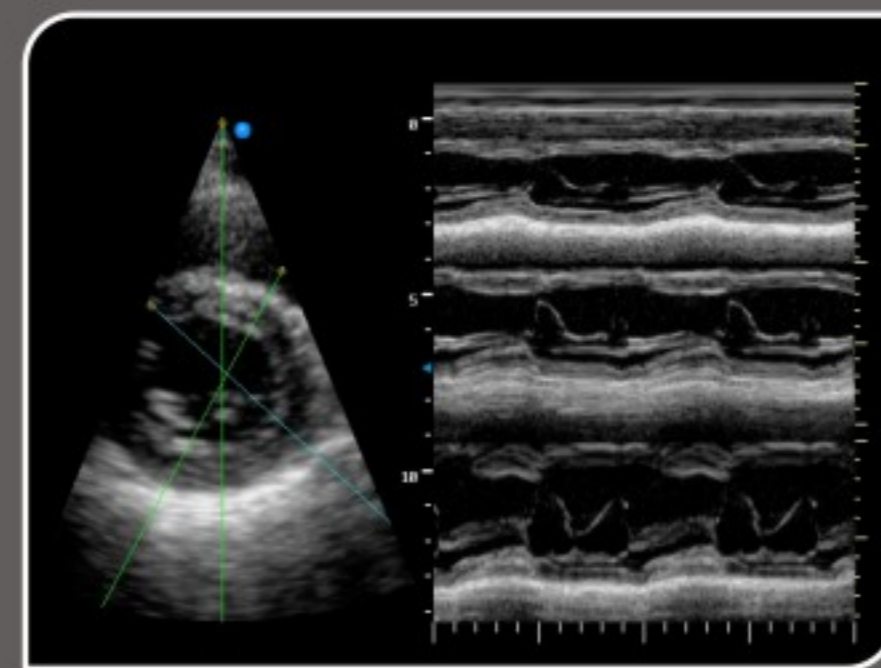
Uterus



Umbilical cord



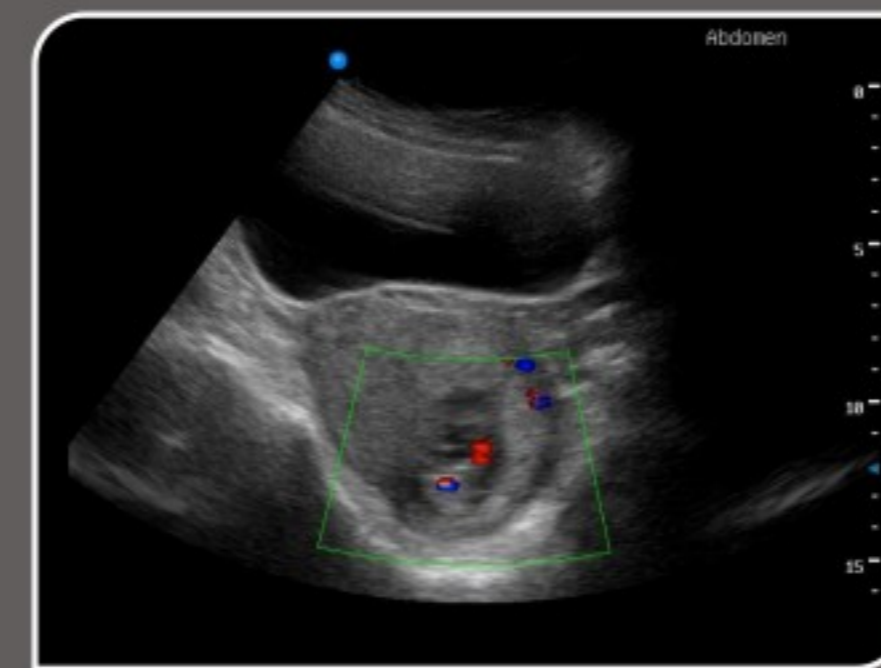
BC/M, BC/PW mode, smart dual mode in cardiac exam



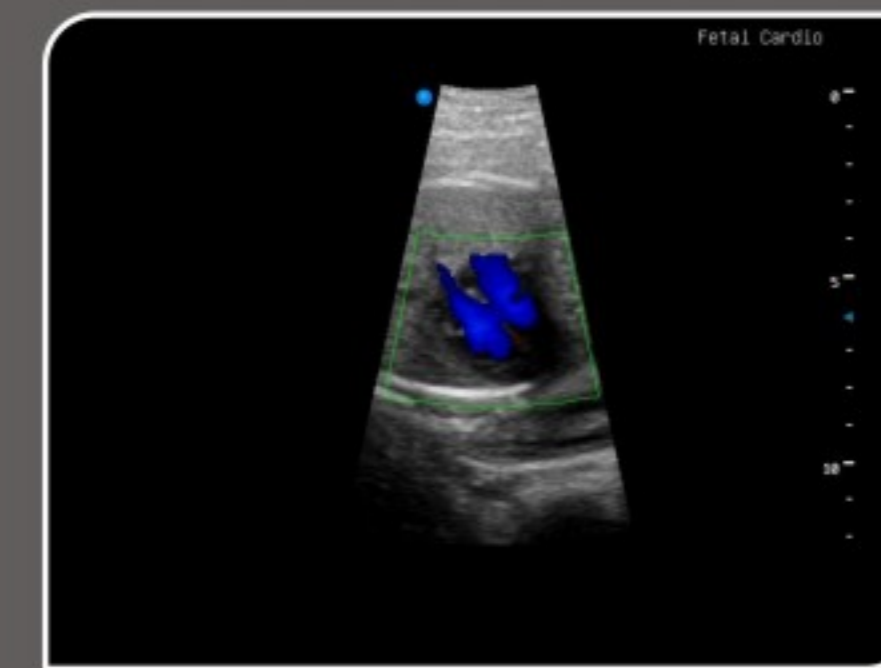
Anatomical M mode (three lines)



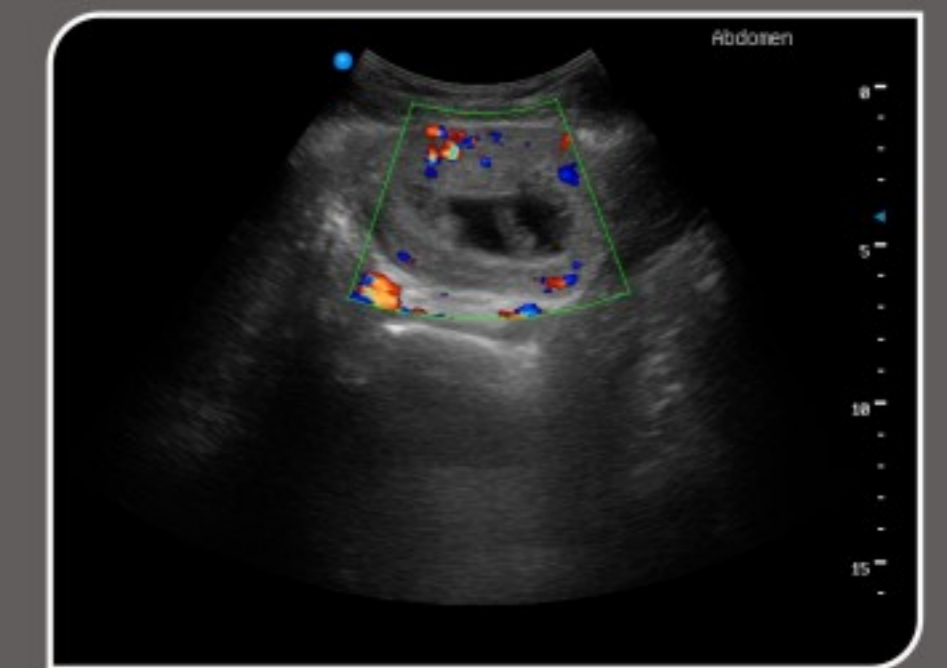
ECG display



Early pregnancy



Four chamber view of fetal heart



Fetal death, early pregnancy