



Omni
Apogee 1200



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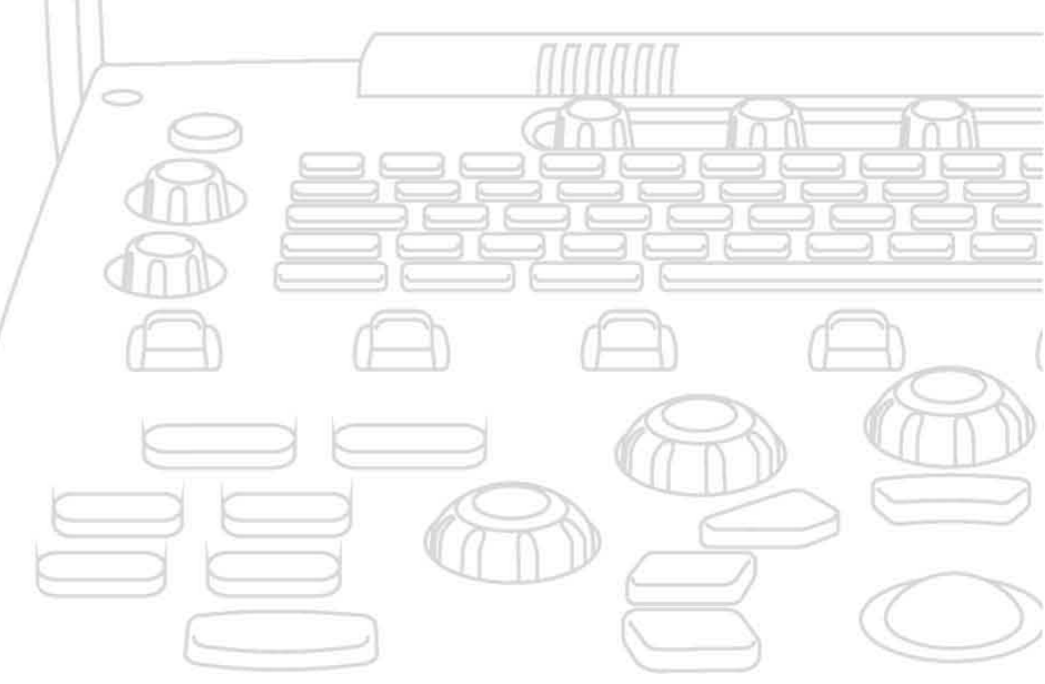
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Omni
Apogee 1200

**ALL-IN-ONE SMART SOLUTION
FOR GENERAL IMAGING**



Apogee 1200 ^{Omni}

Innovative technology always brings brand-new vision to customers, so does Apogee 1200 Omni.

By adopting the latest imaging technology from SIUI R&D department, Apogee 1200 Omni, with 15-inch medical HD LCD, was born to be smart enough to provide the quality and reliable ultrasound imaging solution for radiologists and cardiologists.

SMART CARDIO-VASCULAR KITS

From various imaging modes to internal hardware module to software application, Apogee 1200 Omni provides the smart cardio-vascular package to cover most necessary requirements by cardiologists, such as HPRF, steering CW, color M mode, TDI, anatomical M mode, built-in ECG, stress echo, auto IMT measurement and Tei index measurement.

◎ Color M Mode

By combining Color Flow Doppler with Motion Echocardiography, the versatile color M mode provides the best tool to evaluate the 2D/time relations between cardiac flow and cardiac structure movement.

◎ TDI

Tissue Doppler Imaging helps indicate visible velocity of heart wall motion based on Doppler effect, providing supporting evidence for cardiac diagnosis.

◎ Built-in ECG Module

The ECG module assists identification of different time phases in the cardiac cycle for accurate diagnosis.

◎ Tei Index Measurement

The Tei index is a facilitating echocardiographic measurement of ventricular function in adults and children.



◎ Anatomical M Mode

With free 360 degrees rotation and up to 3 sample lines option, the powerful anatomical M mode assists more exact analysis of cardiac structure movement even in difficult heart positioning.

◎ Stress Echo

The stress echo package, including physical and pharmacological stress, provides an effective way to observe how the cardiac muscle responds to stress, for diagnosis of coronary artery disease.

◎ Auto IMT Measurement

The system automatically helps measure the Intima-Media Thickness of the carotid artery wall, as to evaluate cardiovascular diseases such as hypertension diabetes.

PIONEERING IMAGING TECHNOLOGY

Excellent diagnostic results are based on reliable imaging technology. All imaging technologies adopted by the system aim at one goal: going all out for perfecting exceptional image quality.

◎ Spectrum Compound Imaging

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

◎ Broadband Harmonic Imaging

The system has successfully achieved both high penetration and spatial resolution in the Harmonic mode by compounding variety of harmonic echoes.

◎ Multi-beam Forming Technology

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

◎ 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 of enhancing diagnostic performance.

◎ Spatial Compound Imaging

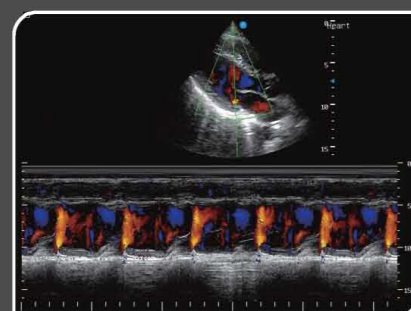
The system can scan the target by multi-direction beam forming thus easing echo artifact and improving spatial resolution.

◎ Accurate Doppler Flow Imaging

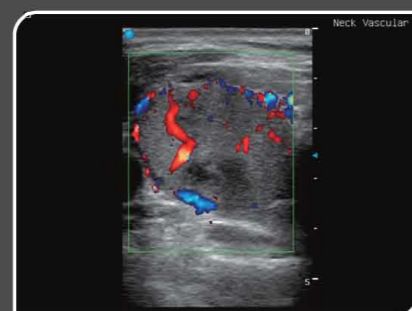
The system is designed to analyze the position of Doppler signals and make adaption simultaneously, for the purpose of enhancing Doppler signals, increasing the penetration of Doppler signals and reducing Doppler artifact.



IMAGE GALLERY



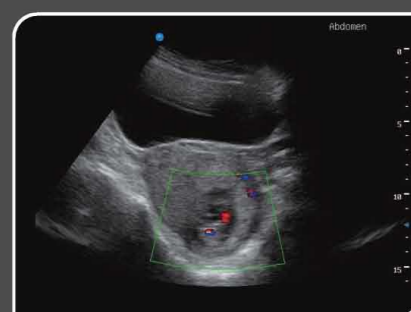
Color M mode in cardiac exam



Onychoma



Kidney



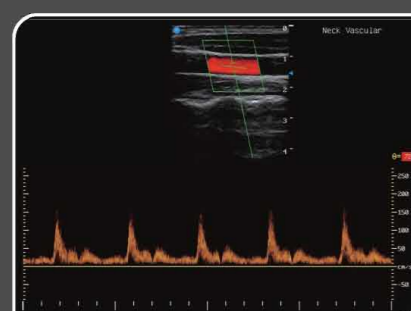
Early pregnancy



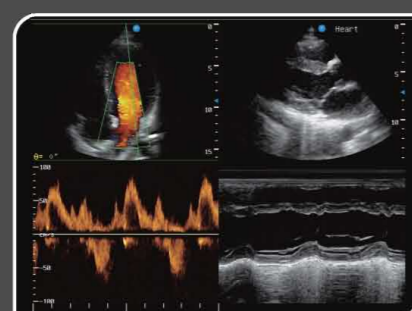
Liver



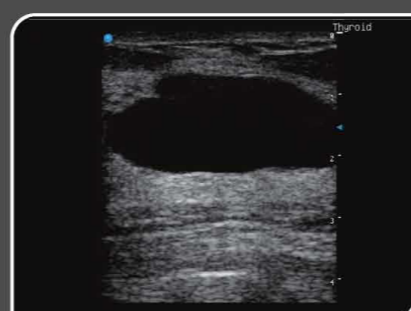
IMT of Carotid



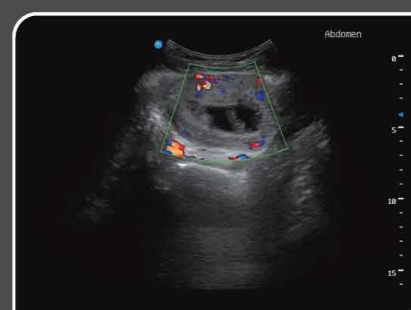
BC/PW, triplex of carotid



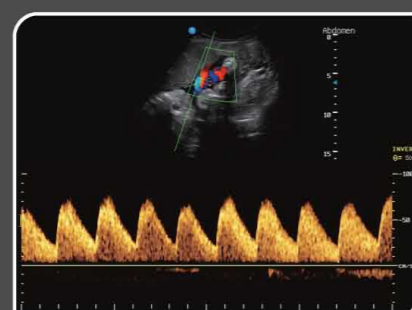
BC/PW& B /M mode, Smart dual mode in Cardiac exam



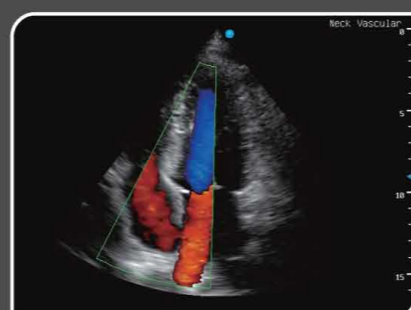
Mammary cyst



Fetal death, early pregnancy



Umbilical cord

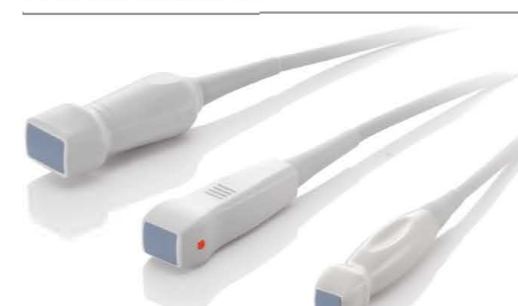


Four chamber view of heart

MULTIPLE TRANSDUCERS SUPPORTING

SIUI is capable to manufacture a wide range of transducer families, ensuring all important clinical needs from doctors.

PHASED ARRAY PROBE FAMILY



- Low frequency 1.7MHz to 4MHz; High frequency 3.5MHz to 7MHz
- For adult and pediatric cardiology exam

4D VOLUMETRIC PROBE FAMILY



- Volumetric convex probe
- Volumetric trans-vaginal probe
- Volumetric micro-convex probe

CONVEX PROBE FAMILY



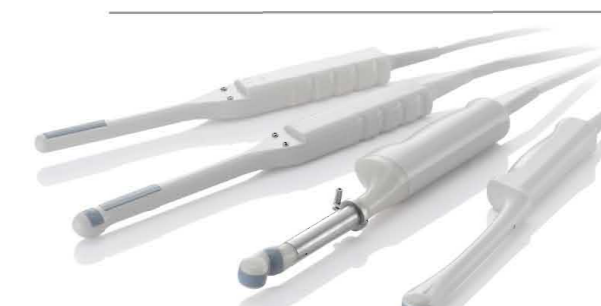
- Array radius from 17.5mm to 60mm
- Frequency from 2 MHz to 7 MHz
- Multi-applications for Abdomen, Gynecology, Obstetrics, Urology, Cardiology, Pediatrics and so on

LINEAR PROBE FAMILY



- View field from 25 mm to 38 mm
- Frequency from 5MHz to 14MHz
- Multi-applications for Thyroid, Breast, Testes, Peripheral vascular, Orthopedics, Podiatry, Superficial and so on

ENDOCAVITY PROBE FAMILY



- Trans-vaginal micro-convex probe
- Trans-rectal linear probe
- Bi-plane probe (linear plus micro-convex)
- Live bi-plane probe (double micro-convex)