

SonoScape



SonoScape

SonoScape Medical Corp.
2F, 12th Building, Shenzhen Software Park Phase II, Keji Middle
2nd Road, Shenzhen, China
Tel: +86-755-26722890 Fax: +86-755-26722850
Email: market@sonoscape.net www.sonoscape.com

INTELLIGENCE EMPOWERS MORE

S60

Color Doppler Diagnostic Ultrasound System



U-S602020915AF



Wis⁺

An Artificial Intelligence Based Ultrasound Platform

Wis⁺ is the latest innovative ultrasound platform using deep-learning based algorithms. It adopts programs known as Convolutional Neural Networks to replicate the way of human brain, analyzes visual images in order to learn and evolve, developing and enhancing its ability to recognize and analyze tissue structures and lesion characteristics. Therefore, it helps ultrasound professionals acquire and interpret ultrasound images efficiently and precisely.

S60, the SonoScape's premium system based on Wis⁺ platform, empowers care providers to have quality ultrasound practice with quicker answers, more accuracy and higher quality.



Patient Big Database



Expertise

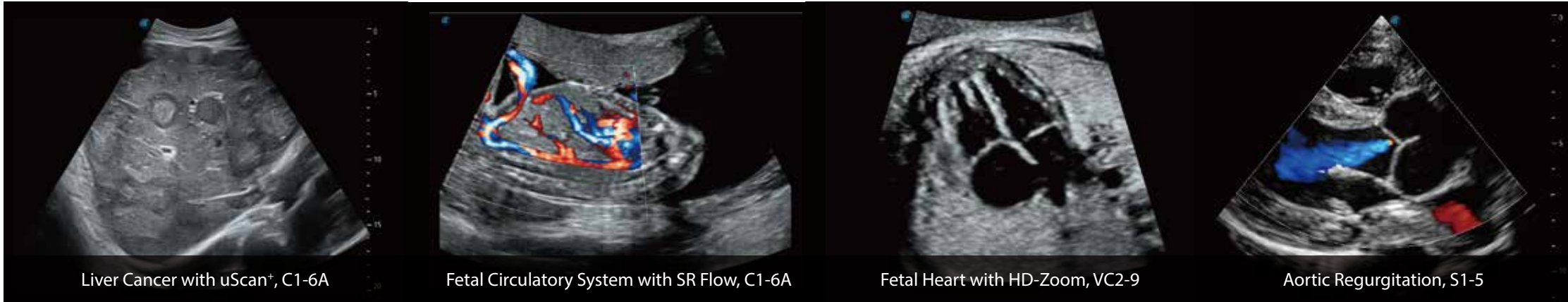


Deep Learning

New Premium Transducers

Achieve New Level of Clarity And Utility

Transducer design, quality of materials and manufacturing technology drive image quality. The scan converters, post processing algorithms and incorporated technologies of the new series premium transducers on S60 have been optimized to deliver greater clarity, color and contrast supporting your diagnostic imaging challenges. Moreover, the compact and lightweight design ensure a natural alignment between the hand and wrist, making daily scanning more comfortable.



New Generation Composite Crystal Linear Array



Innovative Single Crystal Convex Array



Innovative Single Crystal Phased Array

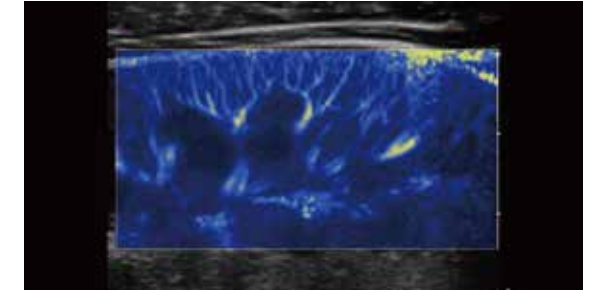


Crafted Volumetric Abdominal Probe

Micro F

Enhances Vision for Blood Flow Dynamics

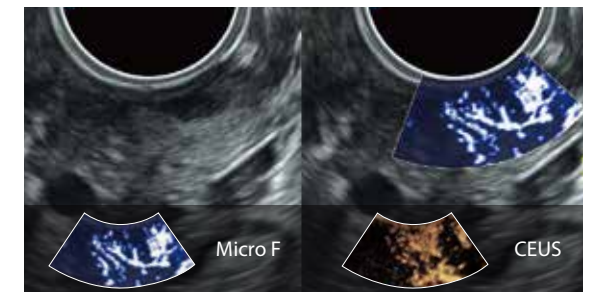
To expand the range of visible flow in ultrasound specially for imaging very low flow states, S60 is now equipped with a brand-new technology Micro F. It is a novel ultrasound Doppler technique employing a unique algorithm that allows minute vessels visualization and slow flow detection but without having to use a contrast agent, enabling advanced hemodynamic evaluation with higher sensitivity, higher spatial resolution and minimal motion artifact.



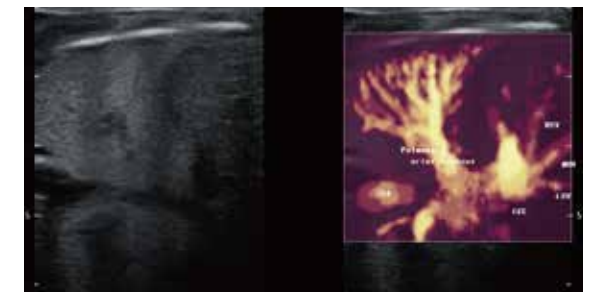
Renal Artery with Micro F



Fetal Pericallosal Artery with Micro F



Cervical Poorly Differentiated Carcinoma with Micro F

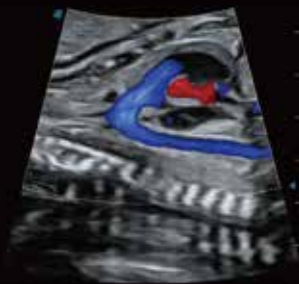
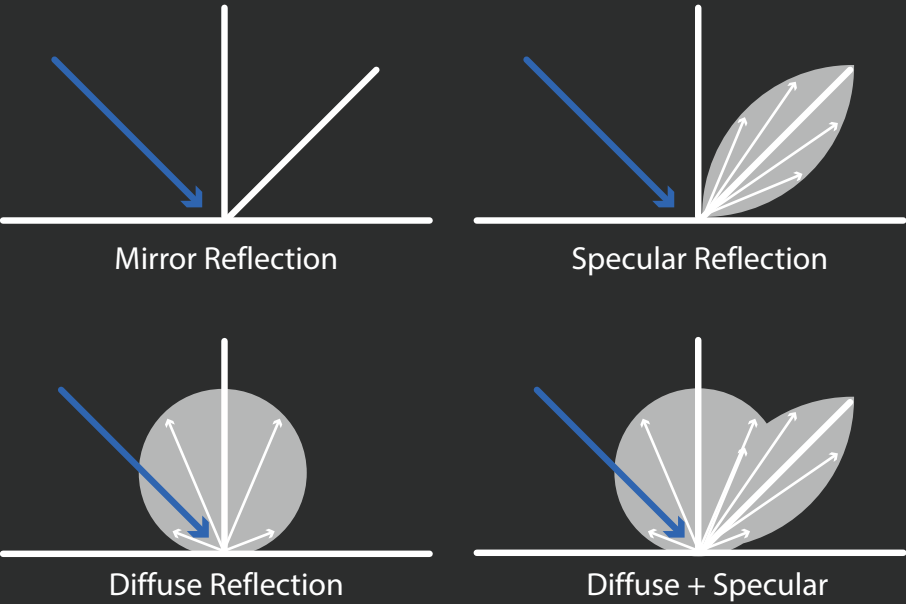


Fetal Pulmonary Arteriovenous Flow with Micro F

Bright Flow

3D-like Color Doppler Flow

Without the need of using volume transducer, Bright Flow, strengthens boundary definition of vessel boundaries by adding 3D-like appearance to 2D color Doppler imaging. This innovative technology delivers easy and enhanced spatial comprehension and allows clinicians to identify tiny blood flows as in a pop-off style. Bright flow is also available for use in combination with other imaging modes, with the level of enhancement adjustable, which provides more possibilities for clearer visualization.



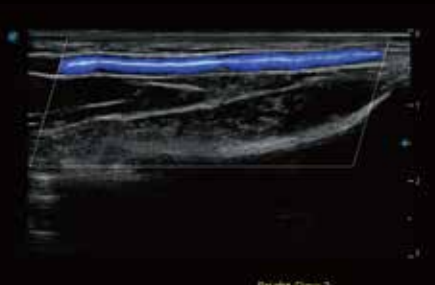
Fetal DA Arch with Bright Flow



Fetal Heart Blood Flow with Bright Flow



Renal Artery with Bright Flow



Radial Vein with Bright Flow

S-Fetus

Automates Obstetric Ultrasound Work-Flow

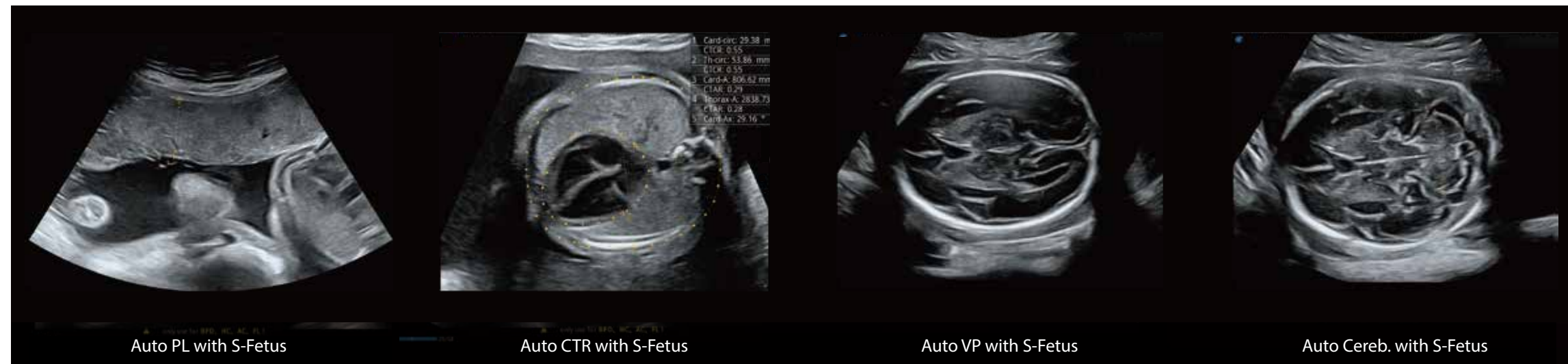
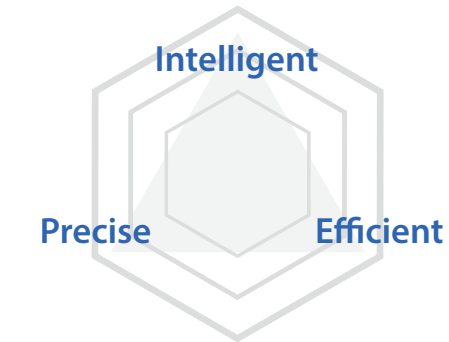
The S-Fetus Obstetric Screening Assistant uses deep learning to power a smart scenario-based work model that allows doctors to perform sonography without the need to manually control equipment and enables real-time dynamic acquisition of standard planes and automatic measurement of fetal biometry and growth index, an industry first.

Intelligent & Precise

- Automatic standard fetal sections acquisition
- Automatic fetal biometry and growth index measurement
- Automatic ultrasound reporting

Efficient

- Workflow efficiency enhanced by 50%
- Workload reduced by 70%



S-Pelvic

Automated Pelvic Floor Assessment

Due to highly intelligent capabilities, S-Pelvic can realize full automation of pelvic floor anatomy recognition, trace and measurement within one click at unprecedented ease. Moreover, S-Pelvic fulfills auto anterior compartment evaluation in 2D and auto levator hiatus evaluation in 3D/4D, and takes both rest and Valsalva maneuver into consideration, aiming to cover as many as possible steps and details in pelvic floor ultrasound and offer a comprehensive user experience.

3D/4D: Auto Levator Hiatus Evaluation

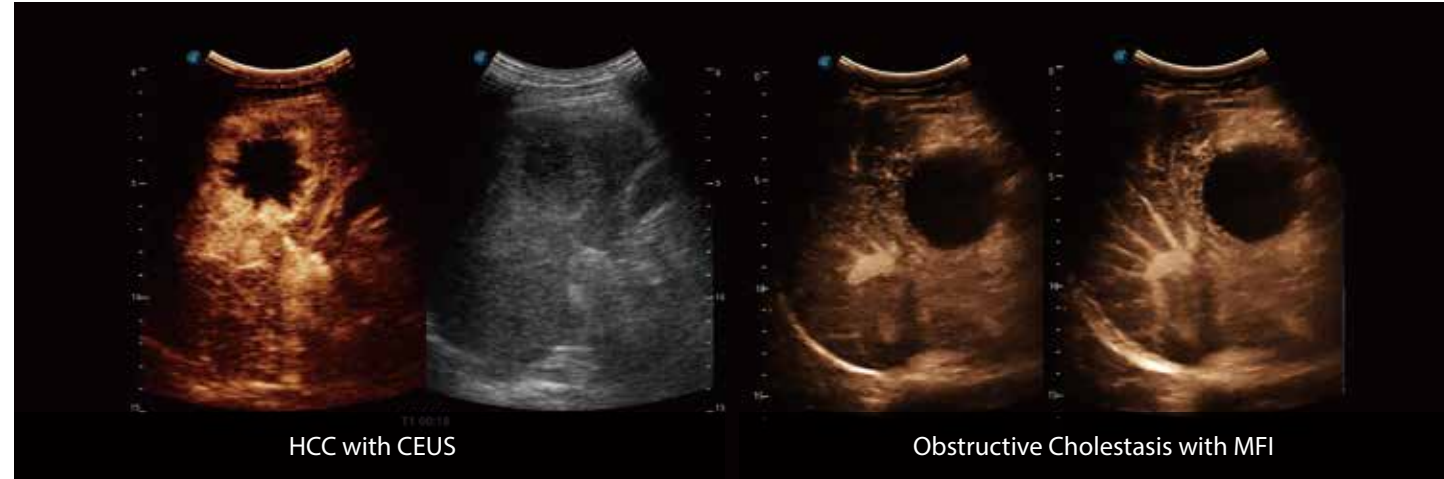
Trace of Volume of Interest (VOI) can be exhausted and time-consuming in manual levator hiatus evaluation. However, S-Pelvic makes it no longer an annoying process by automating the trace and measurement with one-key operation. Measurement items including area, height, width of levator hiatus and levator-urethra gap are acquired at once after the trace completes in less than 1 second.

2D: Auto Anterior Compartment Evaluation

After the acquisition of standard middle sagittal view, S-Pelvic helps to evaluate anterior compartment automatically. Two mainstream systems of coordinates, referring to horizontal line or 135° to the central axis of symphysis pubis, are available to meet doctors' different requirements. Bladder neck mobility and urethral rotation are displayed right after measurements done under rest and Valsalva maneuver.

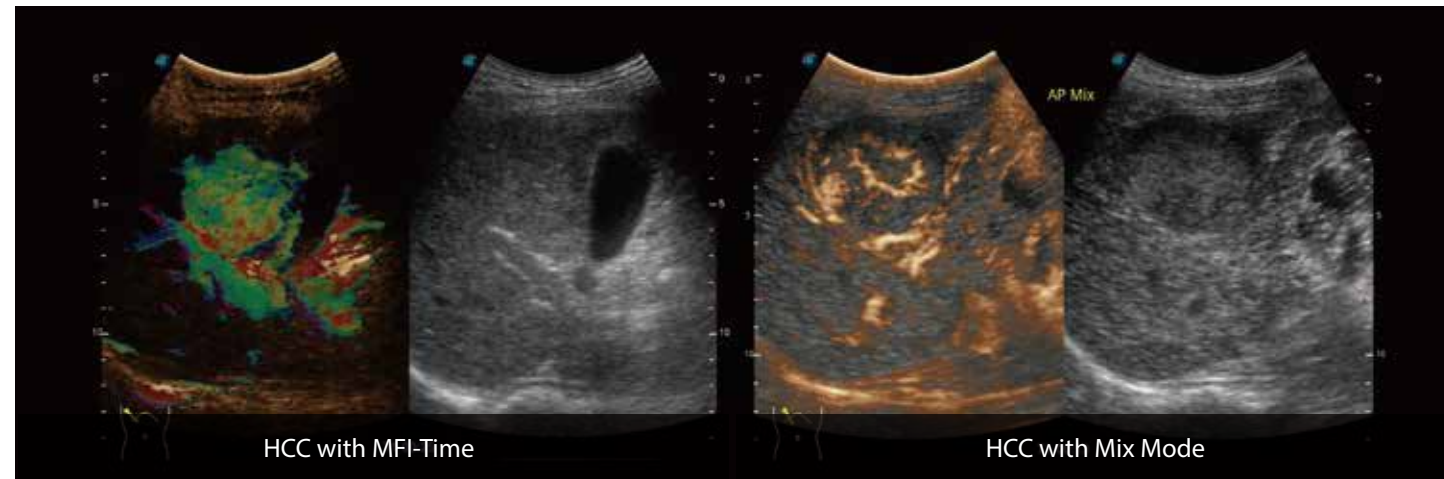
BNP-r: 24.87 mm
RA-r: 124.41°
BD max-r: 24.87 mm
UTA-r: 12.61°

Lev.Hiat A-r: 16.33 cm²
Lev.Hiat H-r: 53.70 mm
Lev.Hiat W-r: 43.96 mm
Lt-LUG-r: 24.16 mm
Rt-LUG-r: 19.94 mm



Optimized Signal Filter Processing Technology makes full use of the non-linear signals and second harmonic signals to improve the image resolution and penetration.

Micro Flow Imaging automatically accumulates uptake of contrast agent and helps you trace small bubble populations, even in very low-perfused and peripheral areas.



MFI-Time helps to visualize both vascularization and perfusion intuitively by color coding the arrival times of contrast agents on different phases.

Mix Mode offers an overlapped display of the contrast enhanced image together with the fundamental B mode image to help doctors better locate target lesion correctly.



Contrast-Enhanced Ultrasound

Performance That's Clear to See

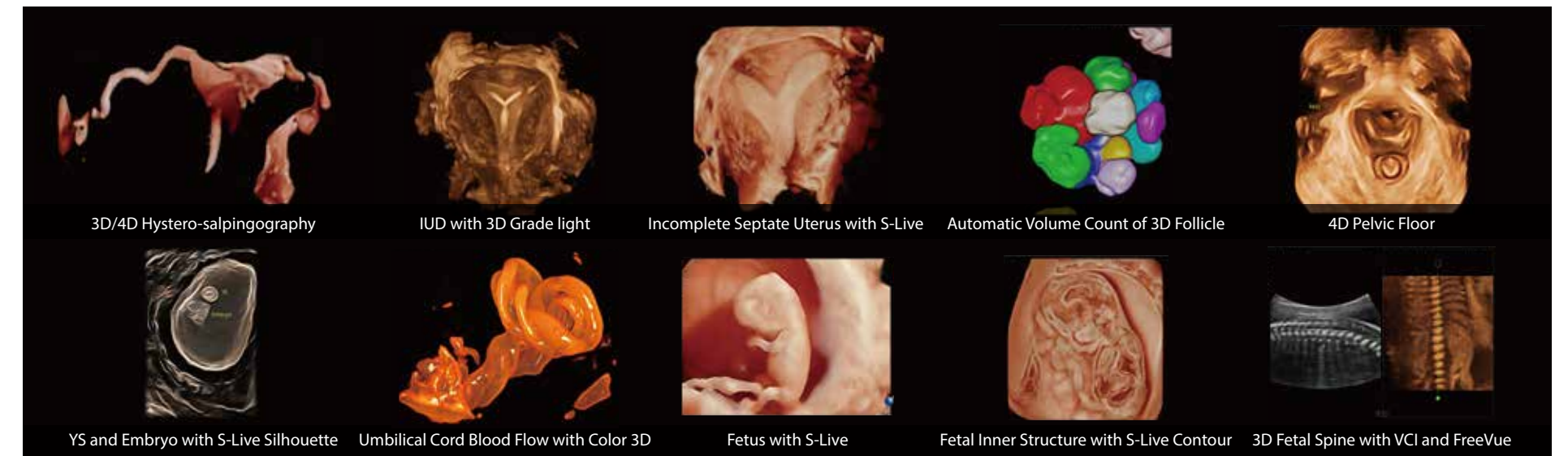
The comprehensive contrast-enhanced ultrasound imaging and quantification package allows doctors to assess perfusion dynamics in a wide range of clinical setting. The unique Dynamic Acoustic Control technology effectively controls the acoustic pressure of the contrast agent, guarantying longer contrast agent duration and better lesion perfusion of delayed phase observation.



Smart 3D/4D

Made Easy and Efficient

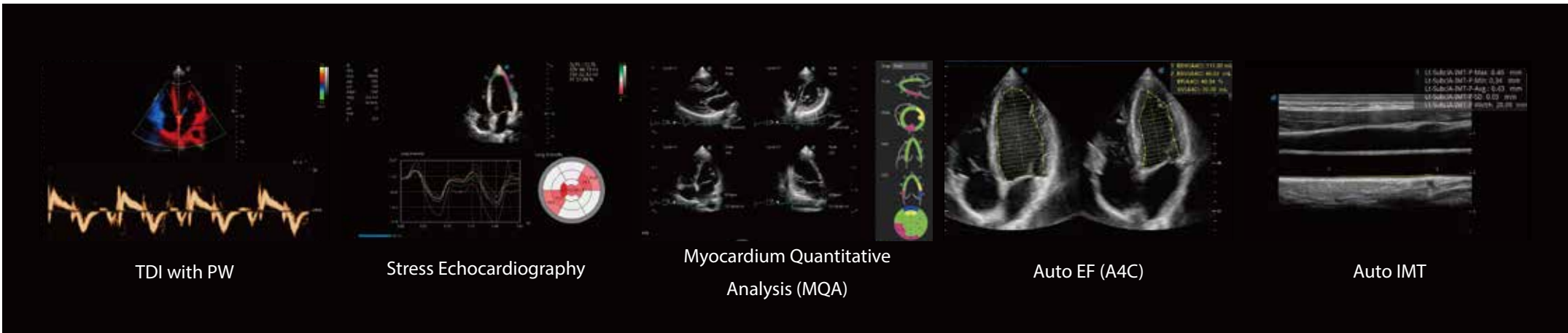
The new high density volume rendering engine of S60 significantly optimizes signal processing and 3D rendering, making outstanding volumetric performance outshines others in terms of high volume rates, exceptional details, and realistic effect. The comprehensive volume imaging suite extends your diagnostic capabilities into the next dimension of imaging with extraordinary image quality and streamlined workflow.



Advanced Cardiovascular

Strives for A Comprehensive Solution for Cardiac Evaluation

The remarkable upgrade S60 has made on both imaging quality and accurate quantification makes it the most versatile ever model of SonoScape in cardiovascular. Clear display of anatomical structures and hemodynamics and precise functional assessment are at the core of diagnosis evidence in cardiovascular imaging. Equipped with SonoScape's unique pure single crystal phased array transducers and state-of-the-art processing technology, S60 is committed to restore every fine detail and element for precise diagnosis. New Myocardium Quantitative Analysis (MQA) provides in-depth quantitative report on global and regional myocardial wall motion dynamics of the left ventricle, offering doctors a comprehensive assessment of myocardial functions.





Inspired Design

Ensures An Improved User Experience

The design of S60 took operational use into consideration, creating a comfortable diagnosing environment. Ergonomic design, excellent man-machine interaction and rapid response ensure S60 a better user experience, bringing improved efficiency and helping to prevent fatigue from multiple examinations.



User Authorization Management



Sono-help Tutorials



Gel Warmer



Height Adjustment



13.3" Quick Responsive Touch Screen



Bluetooth Remote Control



Wireless Wi-Fi Connection

Sono-Drop

Interactive Ultrasound App Strengthens Frequent Communication

Sono-Drop provides a fast and convenient ultrasound image/cine transmission and real-time sharing of ultrasound screen between the system and the patients' smart devices. The bond between clinicians and patients are supposed to be strengthened through more frequent communication.

