SonoScape

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SonoScape

INTELLIGENCE
ARTICULATED

P60

Color Doppler Diagnostic Ultrasound System

Intelligence Articulated

P60, configured with SonoScape's latest prominent Wis+ platform, is designed to provide more insightful and constructive evidence for diagnosis through authentic detail display, easy-but-effective intelligent analysis and streamlined workflow. Not only does P60 inherit SonoScape's consistent advantages in extraordinary imaging quality and optimized operation, but it also now benefits from the integration of state-of-the-art artificial intelligence technology and is dedicated to offering exceptional user-experience for a wide range of applications.

Wis+

An Artificial Intelligence Based Ultrasound Platform

Wis+ is a newly-developed ultrasound platform seamlessly incorporated with Artificial Intelligence. The built-in deep-learning based algorithms, Convolutional Neural Networks, mimic the function of the human brain and are capable of learning and evolving with data. Thanks to the assimilation of big data, Wis+ is equipped with versatile features that can achieve automated recognition and analysis of tissue structures and lesion characteristics. With Wis+, the acquisition and interpretation of ultrasound images become unprecedentedly efficient, convenient and more importantly, accurate.

AI

Intelligent

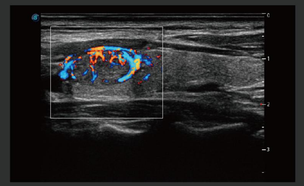
Accurate

Efficient

Detailed Hemodynamics

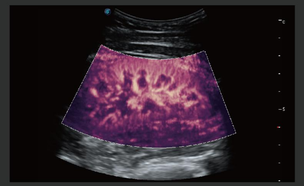
Enables visualization for micro-vascularized structures

The color performance of P60 reaches a new height aiming to expand the range of visible flow in ultrasound. Innovative technologies and sophisticated processing algorithms result in exceptional color sensitivity and blood flow profile, which is crucial for more precise detection of difficult blood flow signals like peripheral vessels and tiny microcirculatory flows.



SR-Flow

Distinguishing blood flow and tissue signal becomes more easily with SR-Flow given the use of a highly effective filter technology. It enables a dynamic and vivid Doppler display with high sensitivity while ensuring a realistic evidence for detection of slow flows.



Micro F

Micro F can distinguish minute flow from overlaying tissue movement effectively, and depict hemodynamic with higher sensitivity and spatial resolution. Detailed views of blood flow in relation to nearby tissue offered by Micro F render more diagnostic confidence to evaluate lesions and tumors.

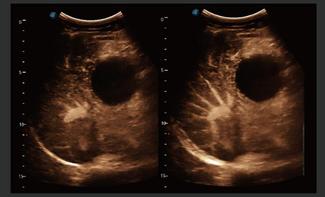
Bright Flow

3D-like color Doppler flow without the need of using volume transducer, provided by Bright Flow, strengthens boundary definition of vessel walls. This innovative lifelike style helps clinicians more intuitively visualize blood flow.

CEUS

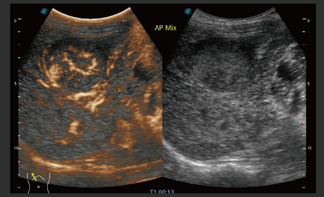
Exerts the full potential of micro flow imaging

With the comprehensive contrast-enhanced ultrasound imaging and quantification package available on linear, convex and endocavity probes, P60 offers doctors a thorough solution to evaluate perfusion dynamics in a wide range of clinical settings. Dynamic Acoustic Control technology can generate a uniform acoustic pressure along the whole field and therefore elongate contrast agent duration and improve lesion perfusion. The combination of MFI, MFI Time and MFI Mix allows doctors to view the lesion perfusion from different perspectives and hence diagnose more easily and precisely.



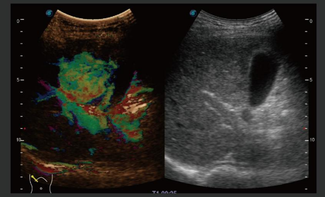
Obstructive Cholestasis with MFI

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



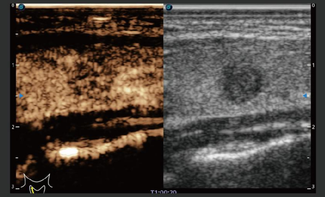
HCC with Mix Mode

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.



HCC with MFI-Time

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



Papillary Thyroid Microcarcinoma with CEUS

SonoScape's latest technology MFI provides a clear visualization of vessels and blood flow so that doctors can form an informed, reliable diagnosis with confidence.

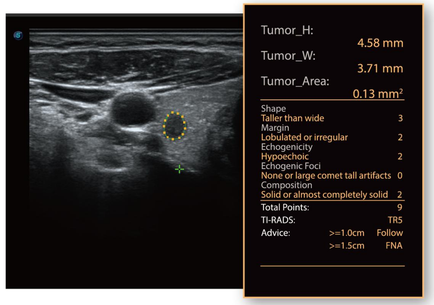
Artificial Intelligence

Brings unprecedented improvement on efficiency and accuracy

The adoption of AI on P60 not only simplifies the workflow greatly, but also provides enhanced reproducibility and consistency in measurement. With well-trained AI algorithms, the burdensome structure recognition and manual measurement procedures are now replaced with one-key operation. Given the big data used in the algorithms, the variables, which may affect the diagnosis consistency and repeatability, for example doctors' experience, conditions, could no more be a problem because of the uniform and precise guidelines built by AI. AI features are now available on S-Breast, S-Thyroid, S-Fetus and S-MSK.

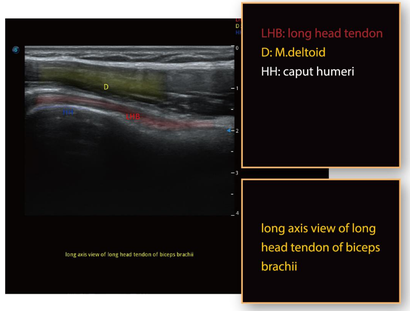
S-Thyroid

S-Thyroid is an advanced tool in detecting and classifying suspicious thyroid lesions based on ACR TI-RADS (American College of Radiology Thyroid Imaging Reporting and Data System) guideline. After selecting the region of interest, S-Thyroid can automatically define the lesion boundaries and generate a report regarding the features of the suspicious lesion.



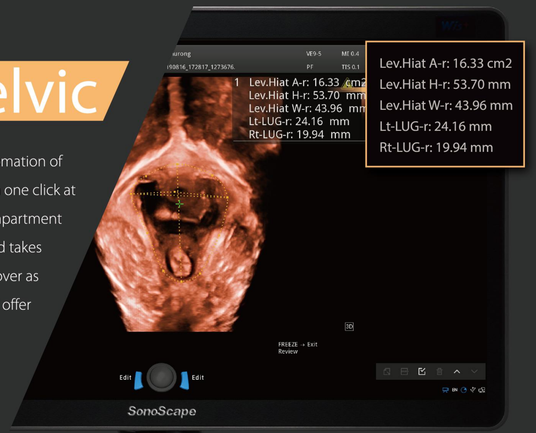
S-MSK

S-MSK aims to solve the problem faced by less-experienced doctors of hard-to-recognize complicated musculoskeletal anatomy structures. S-MSK consists of two sub-functions, auto acquisition and auto annotation. With simple one click, the desired standard planes are acquired immediately from the cine loop and the anatomical structures are highlighted and annotated in the image.



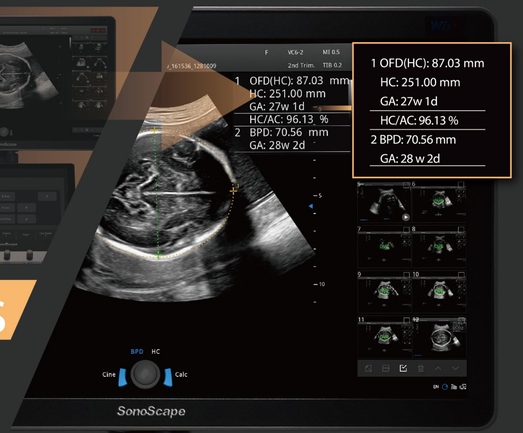
S-Pelvic

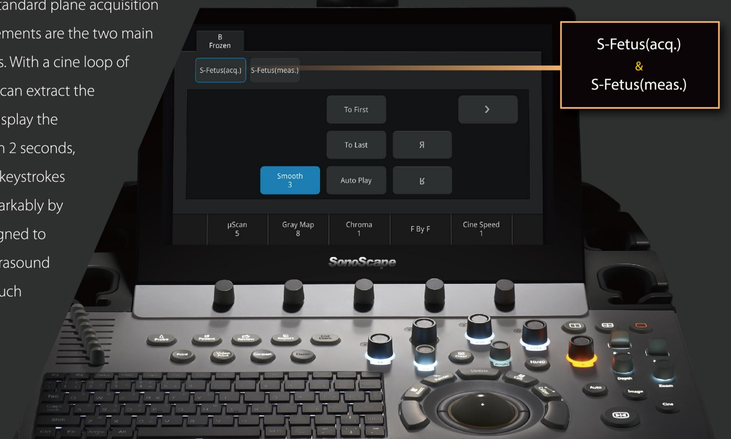
Due to highly intelligent capabilities, S-Pelvic can realize full automation of pelvic floor anatomy recognition, trace and measurement within one click at unprecedented ease. Moreover, S-Pelvic fulfills auto anterior compartment evaluation in 2D and auto levator hiatus evaluation in 3D/4D, and takes 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.



S-Fetus

S-Fetus is a user-friendly tool allowing fully automatic and accurate detection of the most significant planes and frequently used measurements of fetal biometry. Automatic standard plane acquisition and biometry measurements are the two main components of S-Fetus. With a cine loop of the fetal head, S-Fetus can extract the standard planes and display the measurement results in 2 seconds, reducing the required keystrokes and working time remarkably by several times. It is designed to transform obstetric ultrasound examinations into a much cozier, faster and more delightful experience.

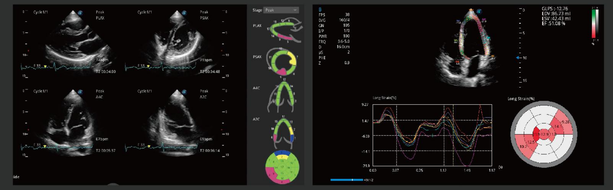




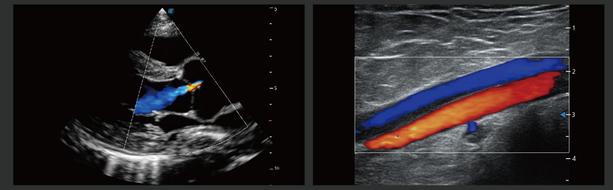
Advanced Cardiovascular

Strives for a comprehensive solution for cardiac evaluation

The remarkable upgrade P60 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, P60 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.



P60 provides a brilliant solution in the analysis of myocardial functions, including stress echo and advanced wall motion tracking technology. This combination extends the evidence for clinicians to better diagnose myocardial dysfunction.



Exquisite Doppler performance clearly exhibits every fine detail of hemodynamics in cardiovascular. Extraordinary sensitivity, penetration, temporal and spatial resolution allow for detection of subtle blood flow information.

Extensive Transducers

Broaden the spectrum of applications

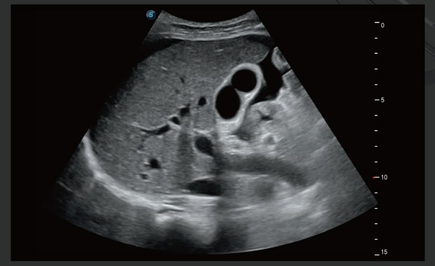
Comprehensive selection ranging from linear, convex, phased array, endocavity, volumetric and specialty transducers touches all aspects of ultrasound exams, exactly meeting clinicians' demands for general imaging. Every transducer is delicately tailored to deliver superb image quality on P60. Up-to-date craftsmanship and acoustic material used in transducers aim to create authentic and brilliant imaging experience, allowing for complete ease and confidence in no matter routine cases or technically challenging patients.

New members of the transducer family leverage the innovation in material and manufacturing technology.

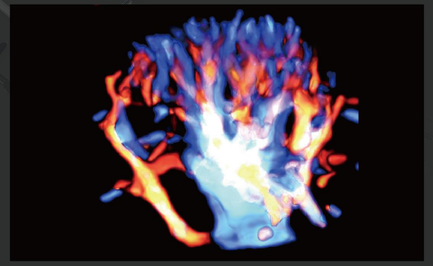
Single crystal C1-6A has an essentially perfect uniformity of crystal alignment, leading to a much higher efficiency in energy transmission and excellence performance in abdominal 2D and Doppler imaging.

Composite crystal linear transducers enhance sensitivity and bandwidth greatly and therefore reach high frequency for difficult-to-image small parts and superficial tests.

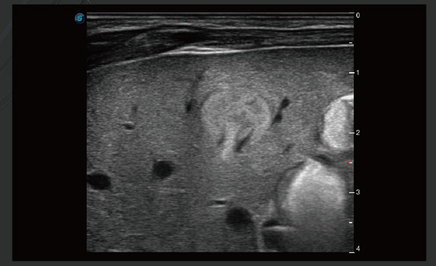
Newly crafted volumetric VC2-9 adopts a simple yet powerful design, which not only provides a remarkable enhancement in 3D/4D imaging quality but also reduces the weight of itself for a more comfortable grip by the meantime.



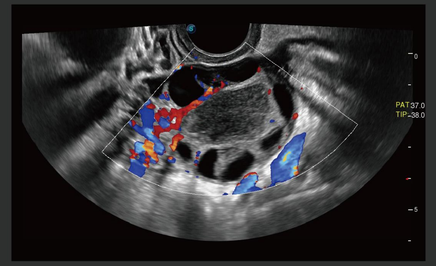
Hydroperitoneum with C1-6A



3D Renal Blood Flow with VC2-9



Liver Hemangioma with 12L-A



Ovary Color Flow with 6V3

Considerate User Interaction

Commits to make every scan count

Considerate user interaction always lies in the design language of SonoScape ultrasound, so does P60. Fully understanding ultrasound clinicians' desire in routine exams, P60 prepares straight-forward tutorial, convenient image transmission, real-time connection and standardized scanning protocol to help clinicians achieve more while in a more efficient way.

Sono-help

An inspiring tutorial displaying probe placement, anatomy illustration and standard ultrasound image examples. As a useful reference less experienced clinicians could rely on, Sono-help covers a variety of applications including liver, kidney, cardiac, breast, thyroid, obstetrics, vascular, etc.

Sono-drop

Sono-drop provides a fast and convenient ultrasound image transmission between P60 and the patients' smart devices. The bond between clinicians and patients are supposed to be strengthened through more frequent communication.

Sono-synch

Real-time interface and camera sharing, enabled by Sono-synch, makes it possible to connect two ultrasound in a remote distance and perform remote medical consultation and tutorial.

Sono-assistant

Sono-assistant guides clinicians through the entire exam and provides customizable scanning protocol helps streamline workflow while increasing standardization and reducing keystrokes and exam time.

Optimized Design

Inspires every ergonomic scanning

Compact yet Powerful Design

The design of P60 focuses on simplicity and compactness but makes no compromise to powerful performance. Height adjustable and lateral rotatable panel and an articulating monitor arm can basically satisfy any requirements under different scanning conditions.

21.5-inch Wide Viewing Angle LED Monitor

P60 features a large size 21.5-inch high definition LED monitor, providing excellent image display to users.

13.3-inch Tilting Touch Screen

13.3-inch touch screen allows users to browse and select functions with ease. A tilting design works for adjustment in terms of users' needs.

User-friendly Layout

Unique console design provides easy access to all kinds of common-used operation. Shortcut and customizable keys make it possible for users to tailor the workflow at their convenience.

Built-in Battery

A built-in battery supports P60 to work for 2 hours without power supply, leaving users no worry about accidental pause and data loss due to power outage.

Gel Warmer

To ensure a comfortable patient experience, a gel warmer is available to be installed on the side of the control panel.

Streamlined Workflow

Makes the interaction with ultrasound silky smooth

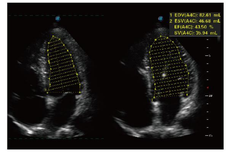
It is our commitment to make the user interaction with ultrasound as delightful and easy as possible through an ingenious design and diverse automation tools. P60 is exactly a combination of both and enhances efficiency greatly by reducing keystrokes.

Auto button

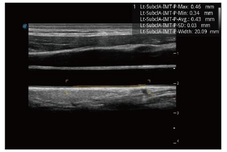
Auto is a shortcut key on the control panel that helps to adjust important imaging parameters automatically. It is available under B mode, CFM mode and PW mode. Moreover, it can be user-defined to activate AI-featured functions (S-Fetus, S-MSK, S-Breast, S-Thyroid), and therefore users won't be bothered searching on the touch screen. It is a unique design for saving doctors' much time and effort and allowing them to stay focused on the patient instead of being distracted with system operation.

Automated tools

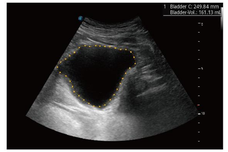
Automated measurement and analysis tool package on P60 makes every exam more consistent, accurate and fast in different applications.



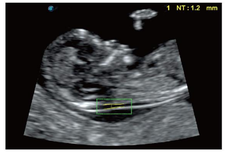
Auto EF



Auto IMT



Auto Bladder



Auto OB (NT)