
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


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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

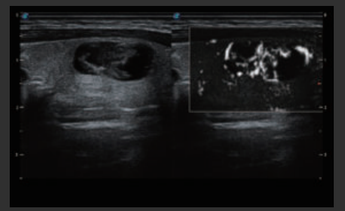
Efficient

# Micro F

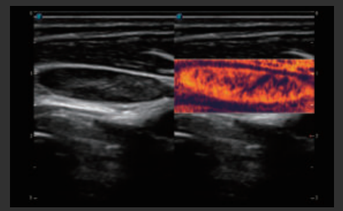
## Enables visualization for micro-vascularized structures

Micro F provides an innovative method to expand the range of visible flow in ultrasound, especially for visualizing slow flow tiny vessels. By adopting an advanced adaptive filter and accumulating temporal and spatial signals, 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.

Micro F clearly shows the anatomical structure of renal vessel branches, even the tiniest ones near the cortex.



Micro F's superb vascular visualization is capable of enhancing the diagnostic evidence for assessing tumors and lesions.

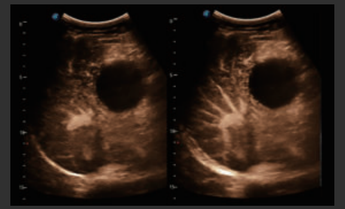


Micro F provides abundant and detailed flow information of the cervical lymph node.

# CEUS

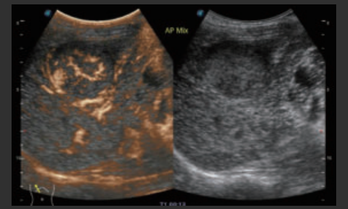
## Exerts the full potential of micro flow imaging

The comprehensive contrast-enhanced ultrasound imaging and quantification package on P60 offer 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.



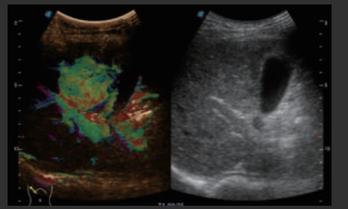
Obstructive Cholestasis with MFI

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.

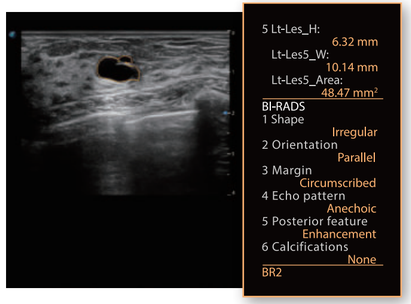
# Artificial Intelligence

## 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.

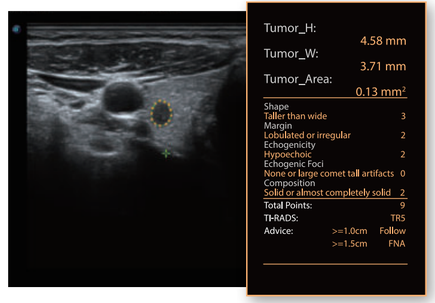
## S-Breast

By simply setting ROI frame on a suspicious lesion, S-Breast helps to outline the lesion border and report the classification of suspicious breast lesions according to BI-RADS (Breast Imaging-Reporting and Data System) standard. The simplified workflow can both improve efficiency and provide standardized reporting on the classification of benign and malignant masses.




## 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.



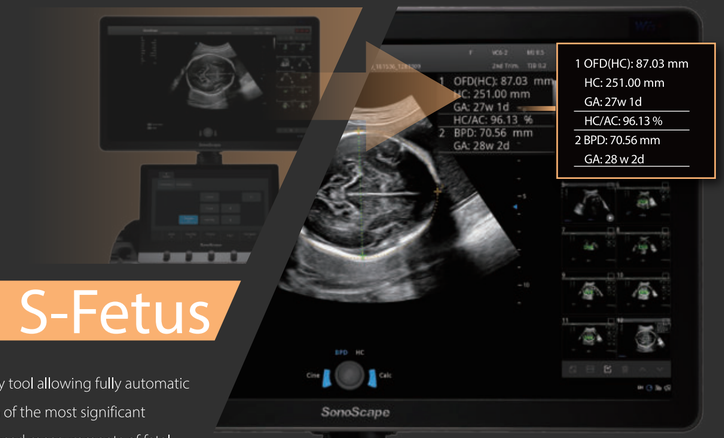
# S-MSK

S-MSK aims to solve the problem faced by doctors of hard-to-recognize complicated musculoskeletal anatomy structures. S-MSK consists of two sub-functions, acquisition and 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. Combined with the exquisite performance of SonoScape's composite high frequency linear probe, the diagnosis for musculoskeletal is at unparalleled ease. It is a great save for doctors' energy and time and also a useful reference for musculoskeletal anatomy. It will be accessible for 6 major joints: shoulder, elbow, wrist, hip, knee and ankle.



# 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.

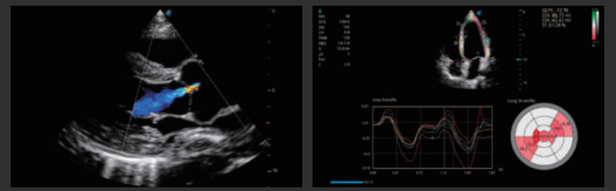




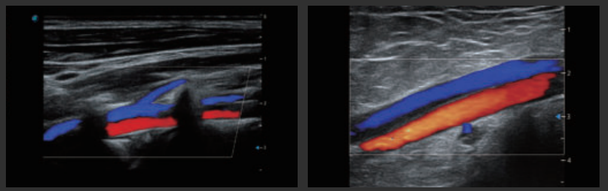
# Advanced Cardiovascular

## 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.



Extraordinary performance in 2D and color mode presents authentic cardiac anatomy details. Combined with SonoScape's advanced wall motion tracking technology, P60 can provide precise analysis on myocardial functions.



Exquisite blood flow sensitivity, penetration, temporal and spatial resolution achieved by P60 clearly exhibits the profile of blood flow velocity and every detail of hemodynamics, even at deep parts.

# 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.

### Gel Warmer

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

### 24-inch LED Monitor (*optional)

P60 features a large size 24-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.

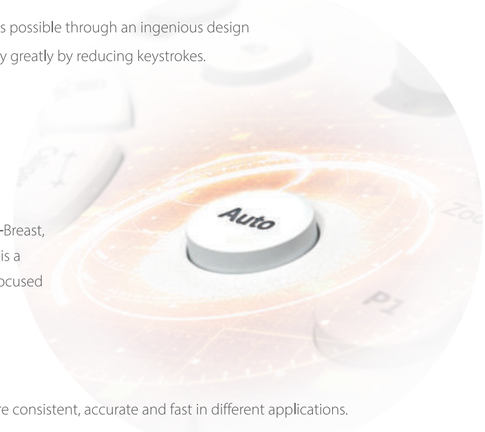
# Streamlined Workflow

## 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.

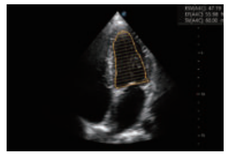
### Auto button

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.

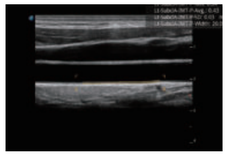



### Automated tools

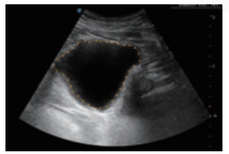
Automated measurement and analysis tool package on P60 makes every exam more consistent, accurate and fast in different applications.



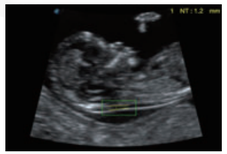
Auto EF



Auto IMT



Auto Bladder



Auto OB (NT)