



DW-F3

Excellent Imaging, Convenient to Operate

All Digital Color Doppler Ultrasound System

For love, image the world.

DAWEI

贵州公和 TOCOPEN.com

DAWEI

Dawei Medical

Dawei Medical (Jiangsu) Co., Ltd., is a professional manufacturer integrating independent research and development, production and sales of medical ultrasound and veterinary B-ultrasound products. The company was established in 2006 with production headquarters in Xuzhou, Jiangsu, 2 R&D centers in Shanghai and Shenzhen, and 4 marketing service branches in Beijing, Guangzhou, Wuhan, and Chengdu. A close technical cooperation relationship has been established with several well-known medical ultrasound research and development institutions.

“Profession creates more wonderful” . Dawei medical ultrasound products such as full digital black and white ultrasound, color Doppler, etc., with advanced ultrasound technology, high standard quality system, strict production process control, and timely after-sales service guarantee, have won the trust of the majority of medical institutions.

Dawei's products are not only distributed in the vast number of medical institutions in more than 30 provinces, municipalities and autonomous regions in China, but also exported to Asia, Africa, Latin America and other regions as well as developed countries in Europe and America, and are used for scientific research and teaching in Tsinghua University, Fudan University, Shandong University, Zhejiang University and other domestic Well-known institutions of higher learning.



"Technology creates high-quality ultrasound products, and service creates a Dawei (great) brand". Looking forward to the future, Dawei has always adhered to the tenet of "quality first, customer first", believed "what we are creating is not only high-standard products, but also an excellent service concept"; forge ahead and strive to become the first-class medical ultrasound industry modern brand enterprise.

Strive for great achievements in the cause of serving human health!



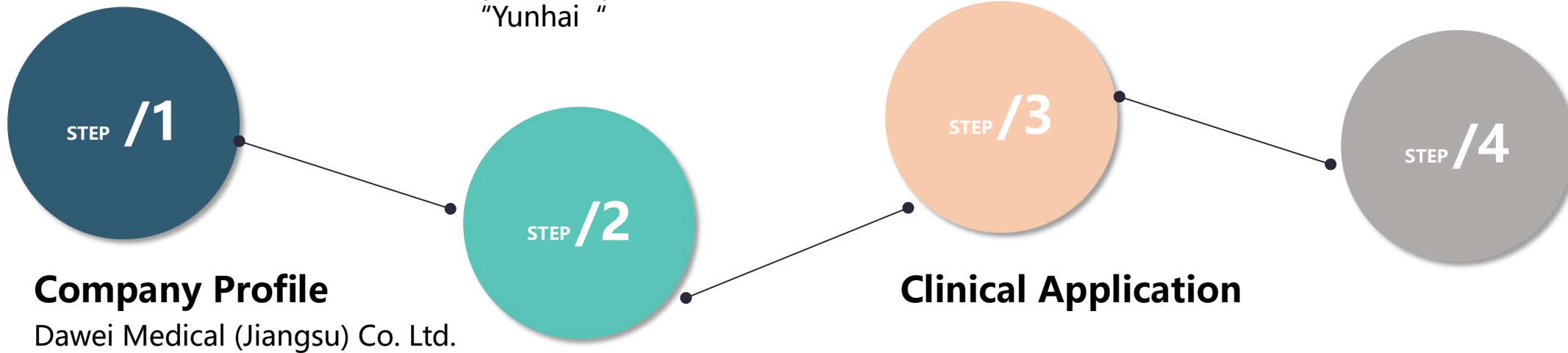
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Product Advantages

Independent research and development of innovative ultrasonic operation platform— “Yunhai”



As an intelligent application of color Doppler ultrasound in Dawei Medical, it adopts the independent research and development and innovative ultrasonic operation platform - "Yunhai", which is equipped with an excellent-performance hardware structure and a rapid information transmission module, combining advanced probe configurations and technologies. Compared with the former ultrasound imaging system, it presents a clearer, more realistic, more sensitive and smoother ultrasound image.

With various imaging function, perfect clinical solutions, this machine (DW-F3) operates simpler and more efficiently, which considerably improve staff efficiency and optimize interactions experience.



**"Yunhai"
Platform**

"Yunhai" Platform

Space Composite Imaging

Trapezoid Imaging Technology

Color Doppler Flow Imaging (CDFI)

Clean Filter Technology

Doppler Spectrum Automatic Envelope (AUTO TRACE)



Space Composite Imaging

Ultrasound space composite imaging can improve contrast resolution, fine resolution and spatial resolution; enhance the echo continuity of tissue and lesion interface, and reduce various artifacts (specular reflection, speckle, scattering, attenuation, poor contrast).

Trapezoid Imaging Technology

It is an extended imaging, which is converted into a trapezoid on the basis of the original rectangle, and the left and right sides are expanded to a certain extent, and the field of view can achieve a wider effect.

Color Doppler Flow Imaging (CDFI)

Apply a new algorithm to comprehensively improve the display performance of low-velocity blood flow and microvascular blood flow.





Clean Filter Technology

During the propagation of the signal in the tissue, various invalid information is formed, which interferes with the imaging. Filtering technology filter and extract effective information in all frequency bands and different depths, calculate the variability of the signal in the propagation process, and perform targeted correction and match. It effectively suppresses and filters out noise signals, and obtains high restoration contrast sonogram.

Doppler Spectrum Automatic

The platform system can be directly upgraded online through the RJ-45 interface, and the latest ultrasound system can be directly upgraded through the USB interface.

Envelope (AUTO TRACE)

Automatically, hemodynamic indicators such as pressure, heart rate, resistance index, etc. is displayed, which is convenient for accurate evaluation.

Intelligent Operate

Integrated clipboard: display the saved image on the right side of the screen, can be directly transferred or deleted

Preset conditions: For different inspections, preset inspection conditions to optimize images, reduce operation adjustments, and commonly required external and combined adjustments

One-click intelligent optimization

One-click quick report graphic management



Adjustable monitor stand

Home screen 21.5 inch medical HD display (optional 23.8 inch)

Detachable probe hanger

All-in-one keyboard for easy operation

Flexibly rotated casters with orientation lock





Universal Probe Interfaces

All software is opened at one time

Combined with the actual needs of clinical use, Dawei Medical has specially launched a 260-pin universal interface, which is small, exquisite and practical.

All software functions(measurement software package, report software package, case management software package, etc.) are opened at one time, and no additional fees need to be charged. If there are any software operation problems during use, we will provide the tracking service.

Raw Data Processing

Offline parameter analysis can be performed on static files and playback dynamic images, such as the adjustment of various parameters such as gain, false color, grayscale curve, etc.

Field Upgradeable Function

Spectral Envelope Function

Real-time automatic envelope, translational spectrum envelope and other modes are optional, and the system analyze automatically: PS, ED, PI, RI, S/D, HR and other data.



All-in-one keyboard for easy operation



Fully Activated Interoperable Four Probe Interfaces

Configure a set of ultrasound graphics workstation:

The workstation software needs to have a registration certificate and supports digital black and white, analog black and white, digital color, analog color, text and Video Printers.

Digital Hard Disk Capacity 256G

Dynamic and static images can be permanently stored, and images can be accessed, transferred, and deleted at any time.

Optional Couplant heater



Optional Support foot switch



Clinical Application



Excellent Image Convenient Operation

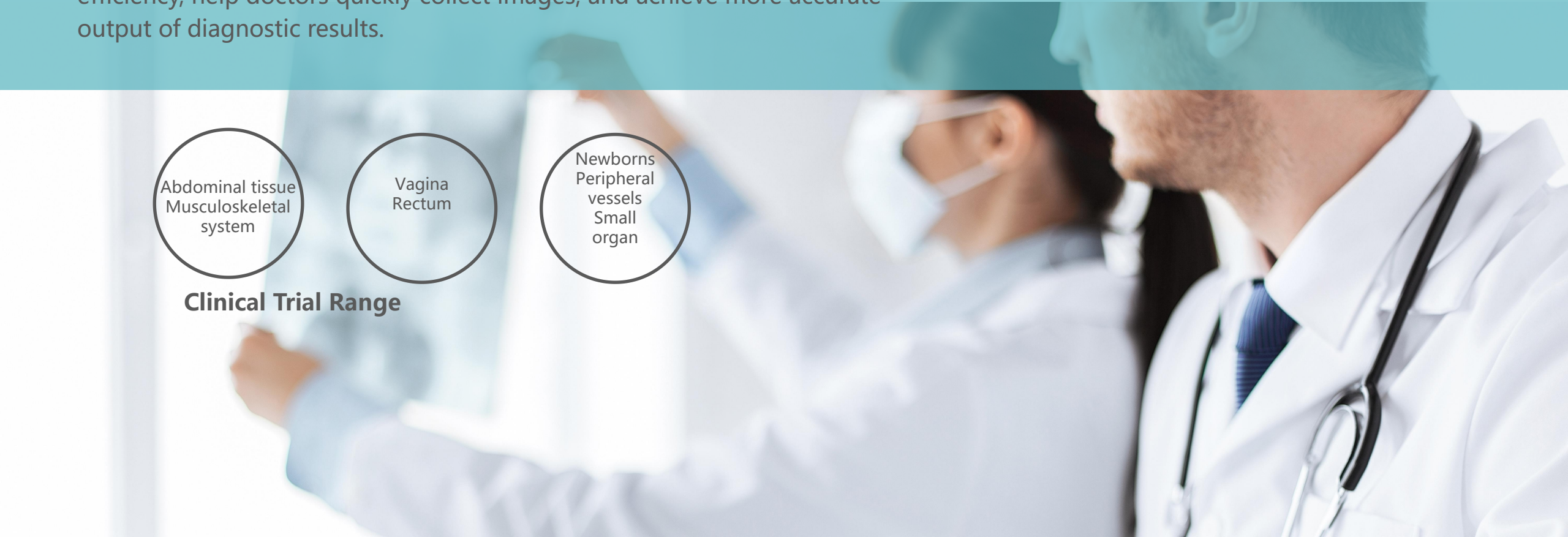
Various software measurement packages to meet the increasingly complex clinical examination needs; Intelligent operation process, simple user interface & plenty imaging technology that can significantly improve the daily work efficiency, help doctors quickly collect images, and achieve more accurate output of diagnostic results.

Abdominal tissue
Musculoskeletal
system

Vagina
Rectum

Newborns
Peripheral
vessels
Small
organ

Clinical Trial Range





Available Probes

DW-F3 Allocated Probe Package

Broadband frequency conversion probe,
Two-dimensional and color independent frequency conversion

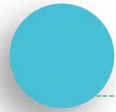
这一页空着建议你们写：关于投入市场可以获得价值：

1. 提升医院的全面性
2. 医院的专业性
3. 等价价值的赚取
4. 等等，这些是我的表面看法，你们可以自己写



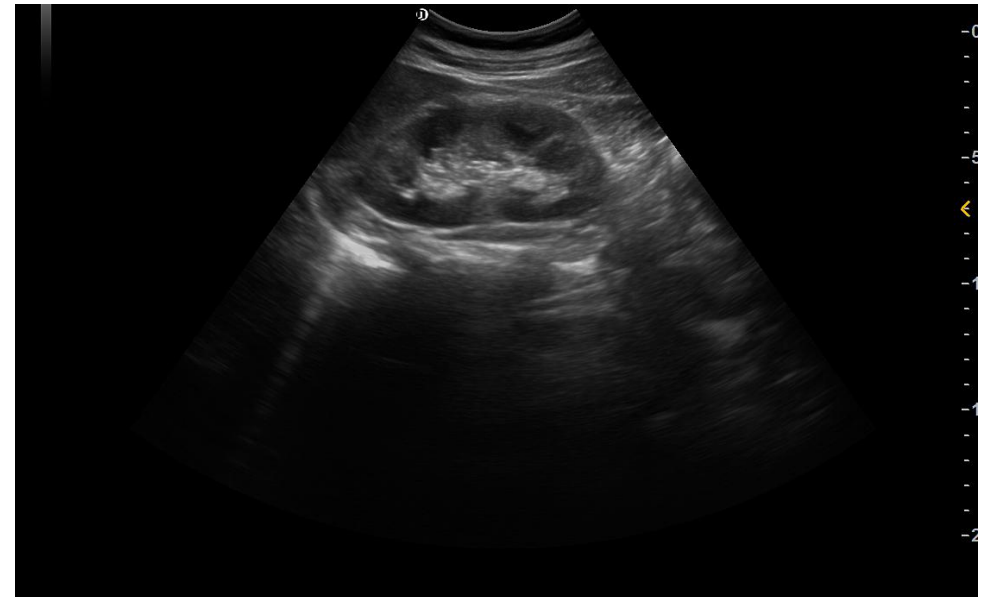
Imaging Effect Display



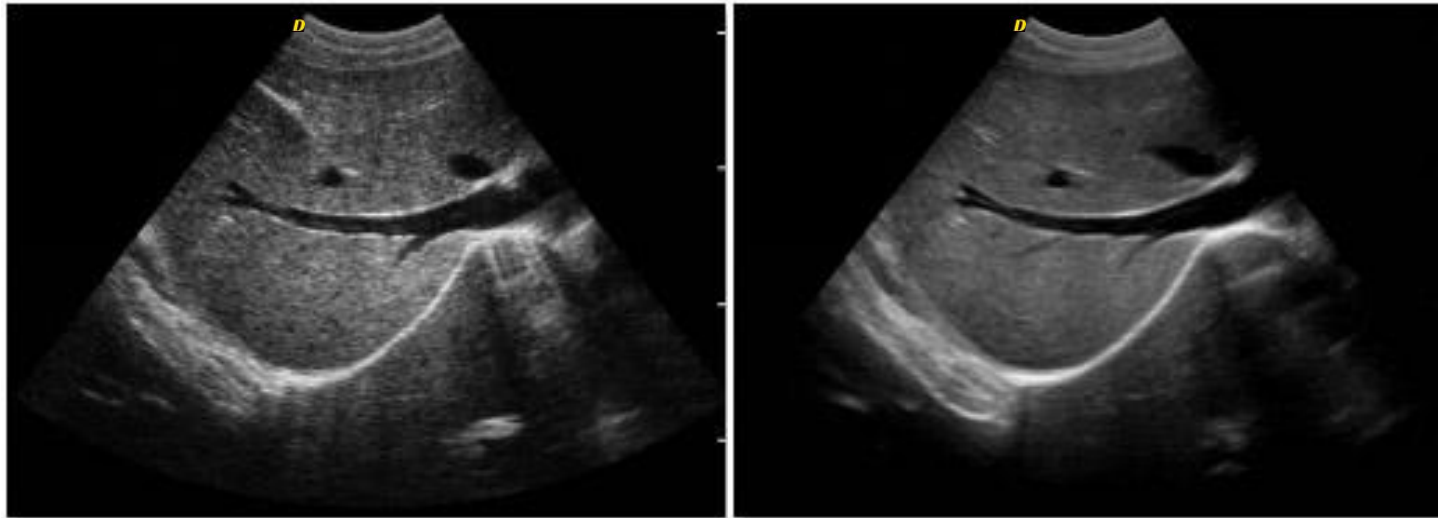


Harmonic Tissue Imaging Technology (THI)

By improving tissue contrast resolution, spatial resolution and eliminating near-field artifacts, the image get more refined. This technology is mainly used in diagnosis of cardiovascular and abdominal diseases, and plays an important role in assessing the region and boundary division of imaging difficult lesions. Also, it has been fully recognized by clinicians. Harmonic technology preserves the second harmonic signal to a maximum extent on the basis of removing the base wave signal, which increases the signal strength by more than 30% compared to conventional signal processing, reduces noise and artifacts, and improves the contrast resolution of the tissue image.



Micrometer Imaging

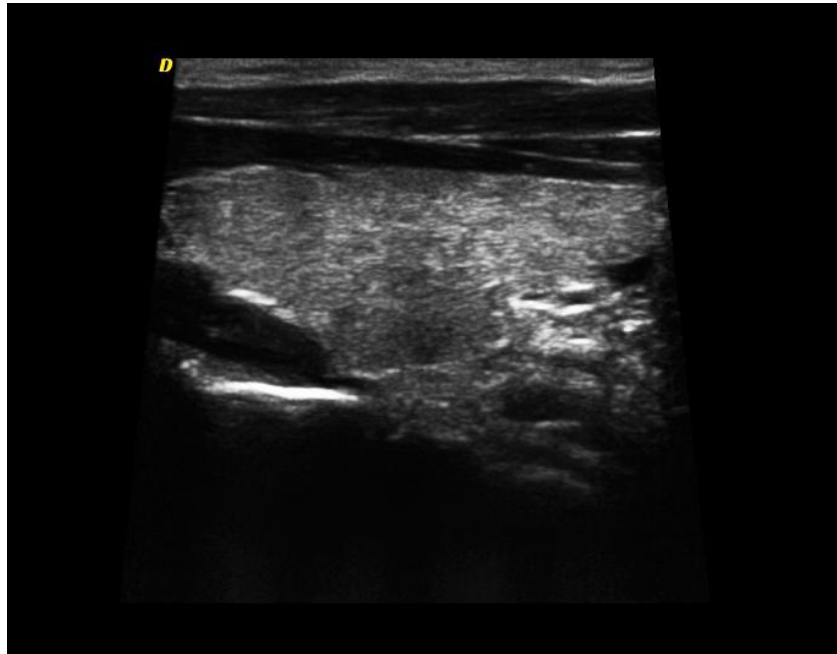


Micrometer imaging technology tracks the specific signals of the edges of different tissues in real time to achieve edge reinforcement while monitoring each pixel point. What's more, it optimizes the internal signal of the organization and blends the edge information with the internal pixel information of the organization to restore the real delicate, hierarchical contrast of the two-dimensional image.



Trapezoid Imaging

It is an extended image that converts into a trapezoid on the basis of the original rectangle. The ultrasonic imaging principle is to use ultrasonic beams to scan organs to obtain images of organs in vivo by receiving and processing reflected signals.

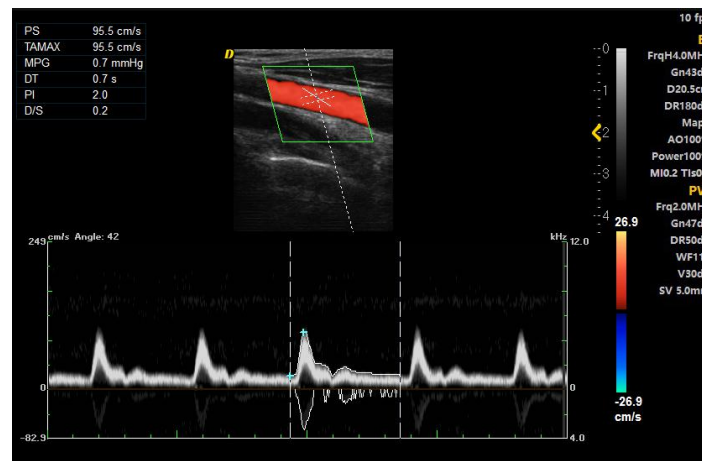


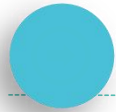
Trapezoid Imaging

Carotid Spectral Ultrasonography

Spectral ultrasonography of carotid arteries can provide a non-invasive, simple and reproducible method for the diagnosis of atherosclerosis. However, multi-parameter analysis should be advocated in the analysis of detection results. In addition to the velocity of the relevant vessel segments, the pulsatile index, spectral shape, blood flow direction and blood flow sound should also be considered.

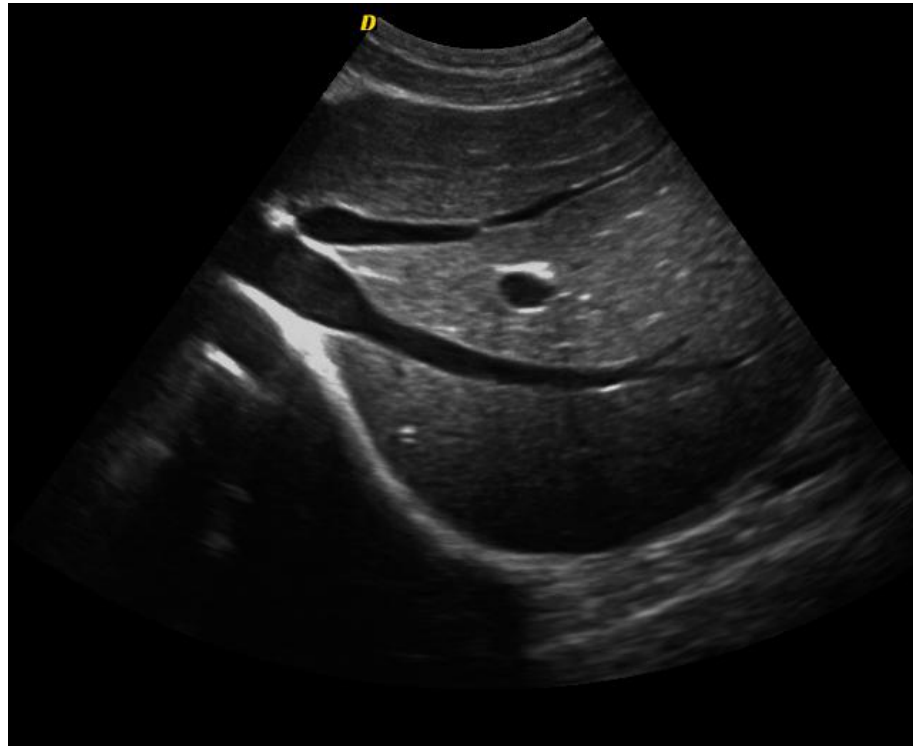
Carotid ultrasonography is helpful to determine the nature and stability of carotid atherosclerotic plaque in patients with ischemic cerebrovascular disease, and to determine the degree of carotid atherosclerosis and carotid stenosis, especially in showing changes in the structure of the arterial wall. It provides an objective basis for the early prevention and treatment of atherosclerosis, and active treatment of atherosclerosis and carotid artery stenosis is of great significance for the prevention of ischemic stroke.





High-definition Liver Imaging Effect

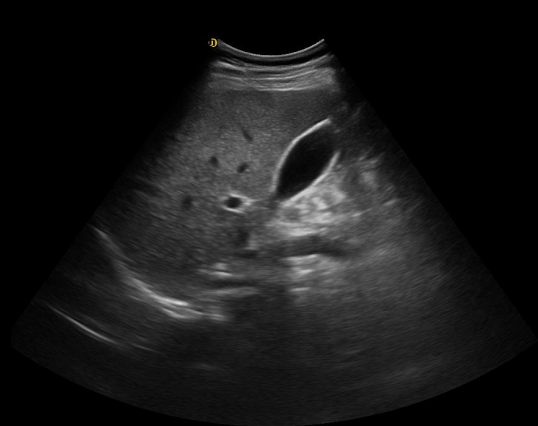
Two-dimensional real-time ultrasound imaging is mainly used for changes in liver morphology. Ultrasound examination shows liver lesions images, which belong to the changes of acoustic physical properties. The same lesion has different appearances in different stages of the development of the disease.



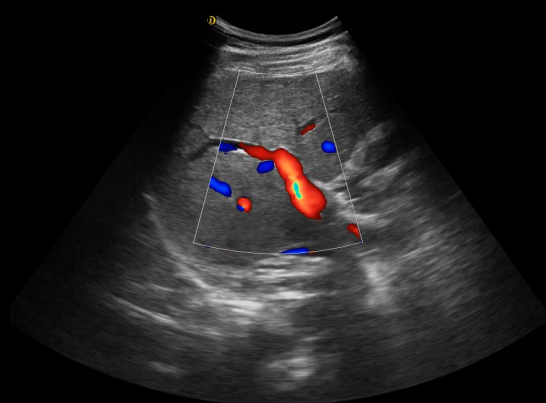
Dawei Medical Clinical Images

DIAGNOSTIC APPARATUS

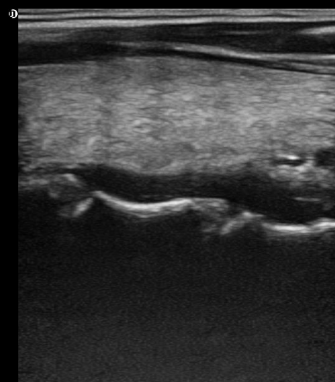
ULTRASONIC



Gallbladder



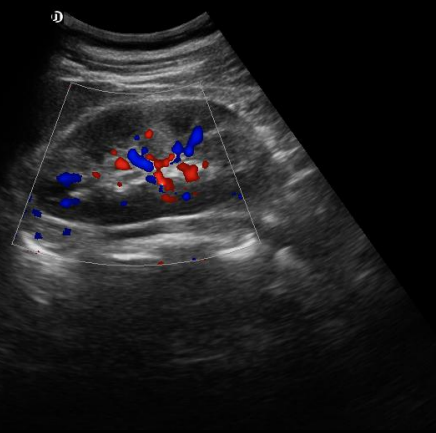
Liver



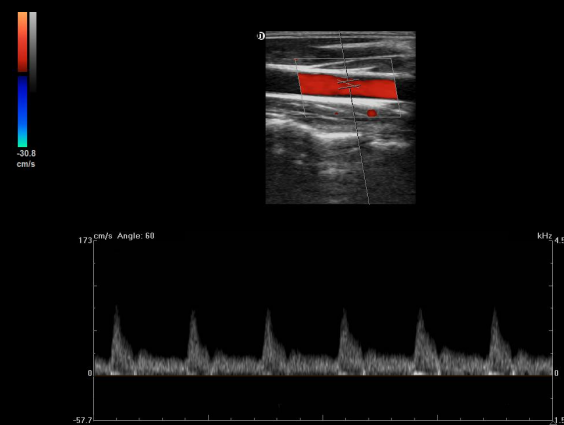
Thyroid



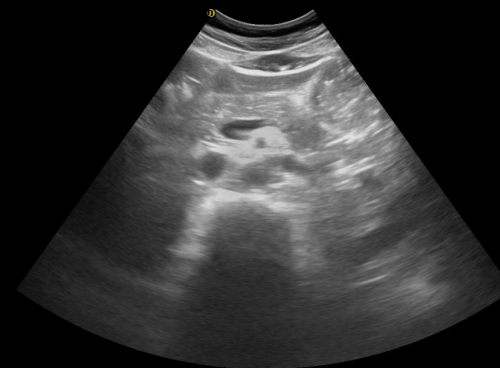
Spleen



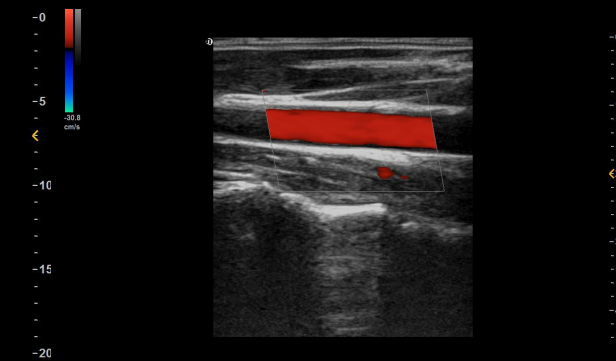
Kindney



Vascular



Pancreas



Vascular

- Machine warranty \geq 2 years
- Maintenance available for lifelong after expiration of warranty, the workstation software involved is maintained free of charge for lifelong
- Regular free tour maintenance for users
- Call for repair 24 hours to resolve the fault



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