

Overall Efficient Workflow

Allocate your precious time in image and diagnosis rather than searching and switching from items and buttons. The efficient workflow is aimed at improving your manipulation experience. Highly customized calculation and measurement tools are available with fewer steps needed.

S-station

Personalized editing tools and report templates ease your work



S-view

Simultaneous comparison among images and cines assists your diagnosis

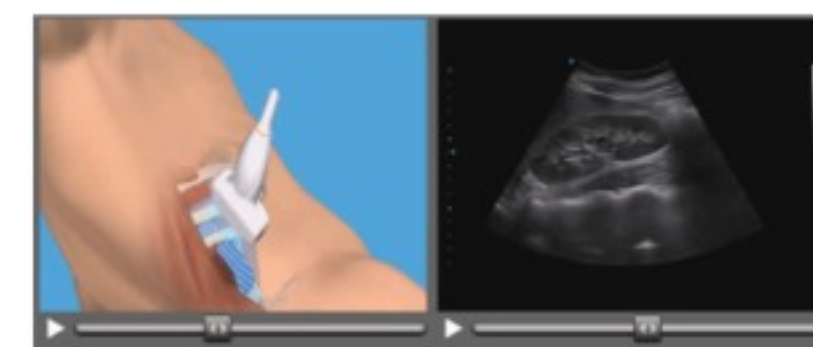


Intuitive navigation layout for clear indication



S-helper

Embedded teaching software with 3D animation facilitates your practices



SIUI

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Apogee 6500 EN11210722

Apogee 6500

Digital Color Doppler
Ultrasound Imaging System



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High-end ultrasound system revolutionizes clinical decision making

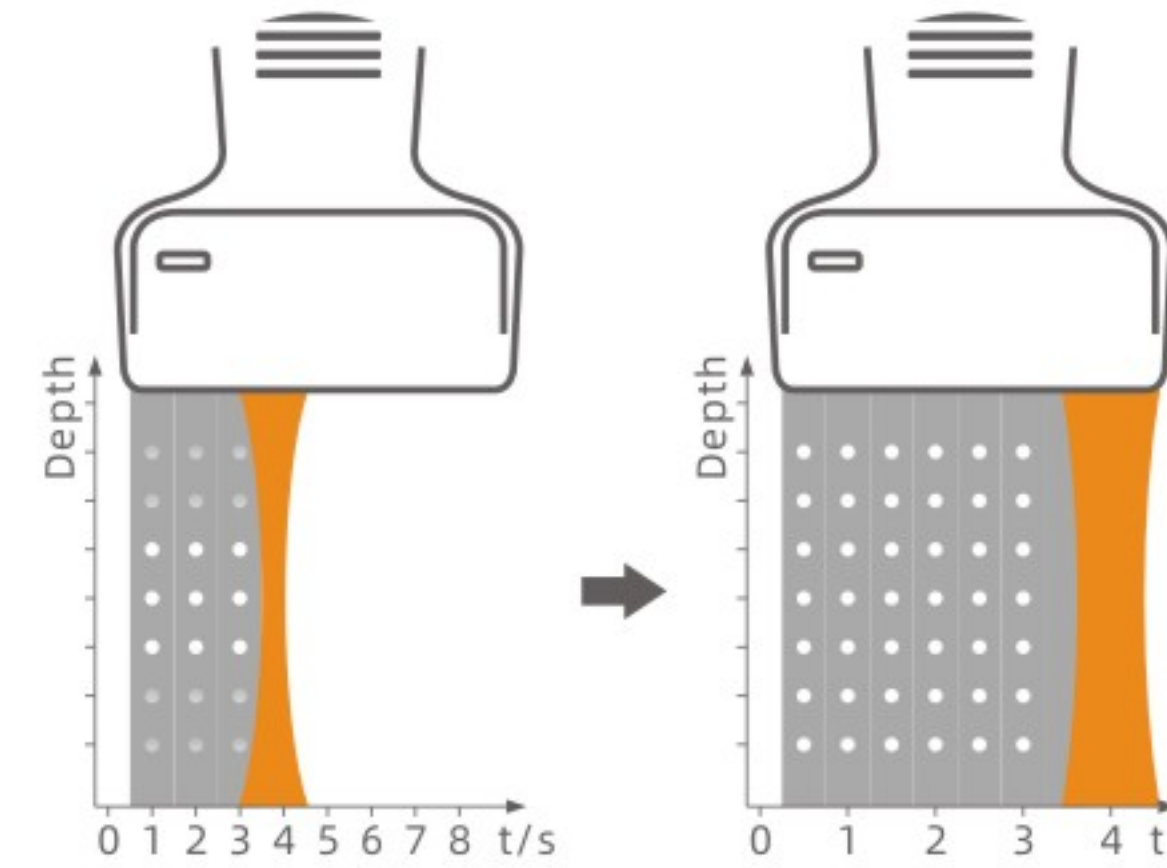
Powered by brand new platform **RealView⁺**, Apogee 6500, high-end color Doppler imaging system provides diagnostic solutions with exceptional imaging performance and efficient workflow.

Applied with innovated algorithm, **RealView⁺** embodies enhanced scanning efficiency and user-oriented commitment. Advanced imaging technology is employed to present significantly updated image quality at a faster response speed. Streamlined workflow improves manipulation comfort. The platform empowers next-level imaging experience and solutions to satisfy diagnostic demands.

8.1 _{TFLOPS}	Parallel hybrid architectures, algorithms and programming	Optimal hardware resource allocation
Algorithm for automatically compensating nonlinear errors in signal propagation in tissues	RealView⁺	Echo spectrum dynamic analysis and extraction algorithm
30 _x Operation speed increased	Signal variability corrections	Energy distribution equalization algorithm for transmitting and receiving
		8 _x Information extraction efficiency increased

Pixel Echo Zone (PEZ)

During wide band imaging processing, the system automatically collects echo information by larger processing zone to enhance acquisition efficiency and computing speed. Increased image frame rate facilitates a better and faster diagnostic experience.



Target Focus

The image focus in near and far field requires different signal intensity. This upgraded technology provides automatic compensation in signal transmission to further improves focus accuracy and image uniformity in the entire image area.

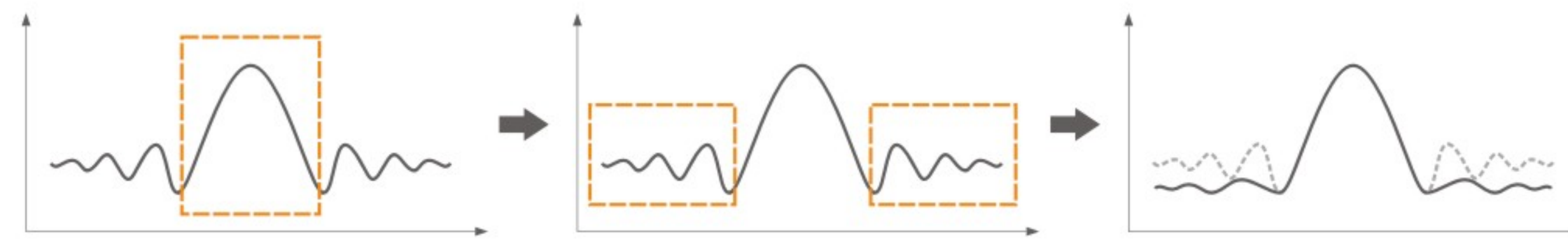
Weighted Fusion (W-Fusion)

Dynamic analysis of Doppler echo spectrum enables the system to capture effective signal in both low and high frequency range. Precise control and fusion of these signals contribute to optimal image with better combination of resolution and penetration.



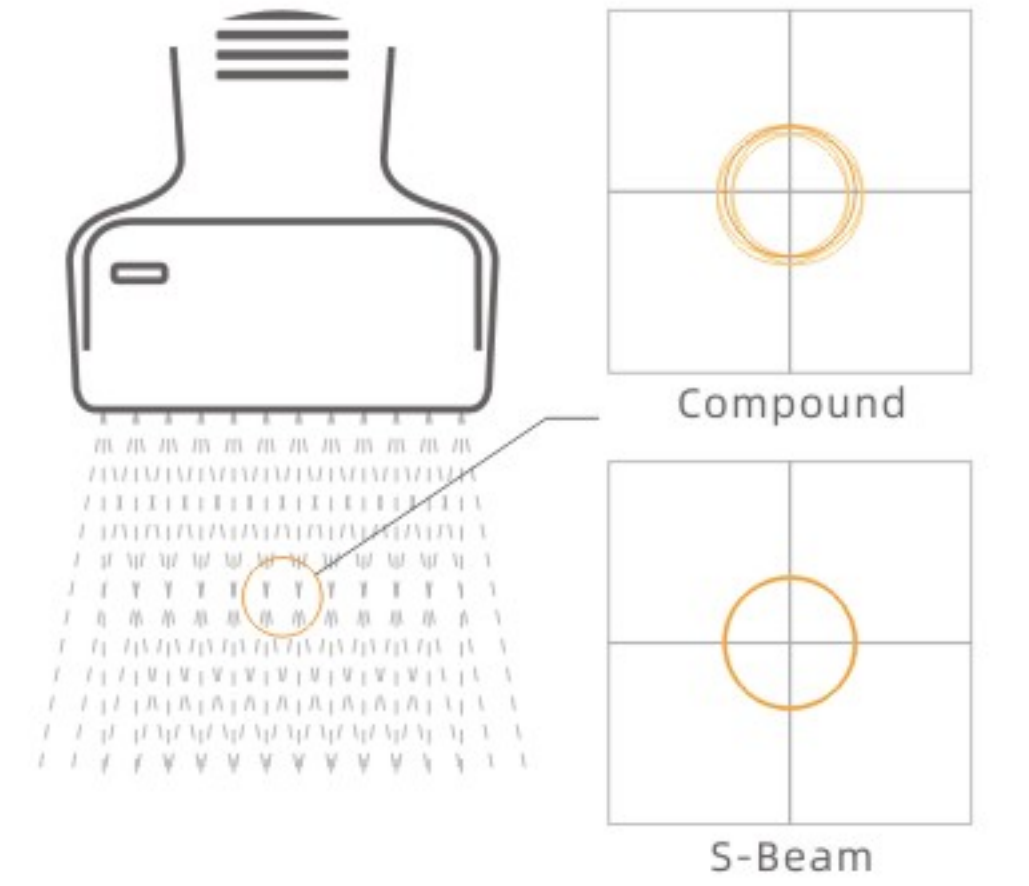
Tailored Filter

Invalid signals during transmission disturb imaging process inevitably. To reduce this impact, valid signals need to be strengthened. This technology filters signals in overall frequency band at different depth. Tailored processing will be made for enhancing valid signal and suppressing invalid signals to increase S/N ratio for a better image contrast.



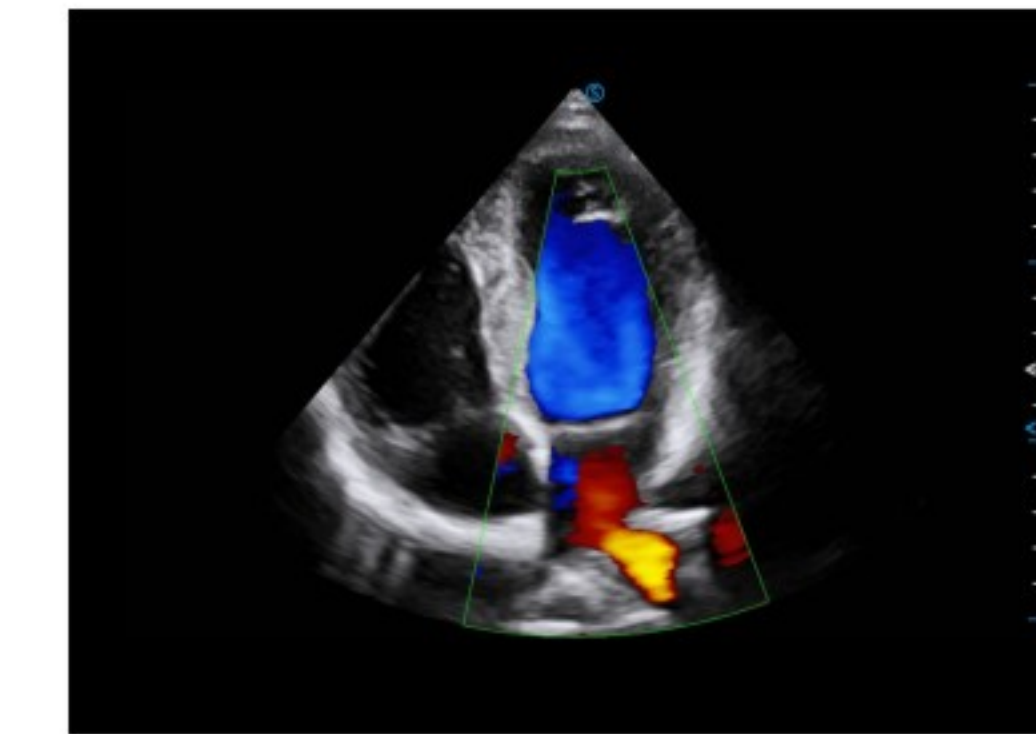
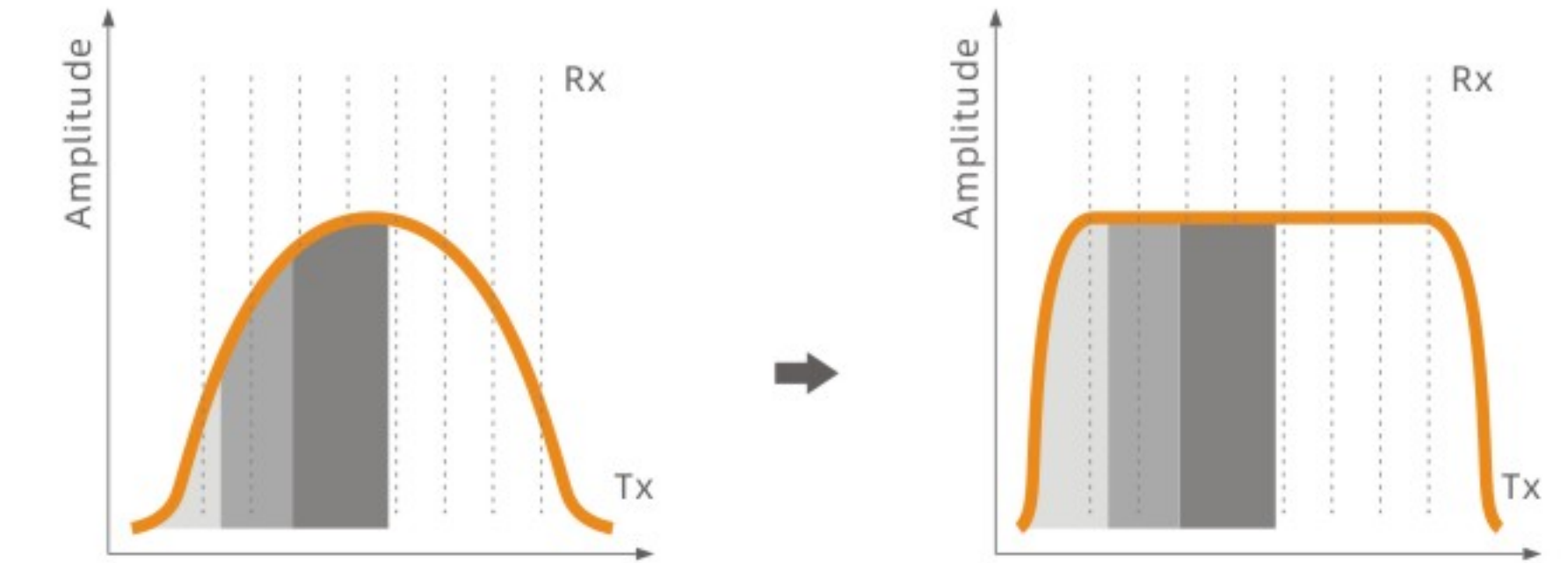
S-beam

This technology traces and analyzes image information on multi-direction to suppress artifacts that come from tissue movement and rotation. The image quality and real-time capability are greatly boosted in special compound imaging.



Echo Tune

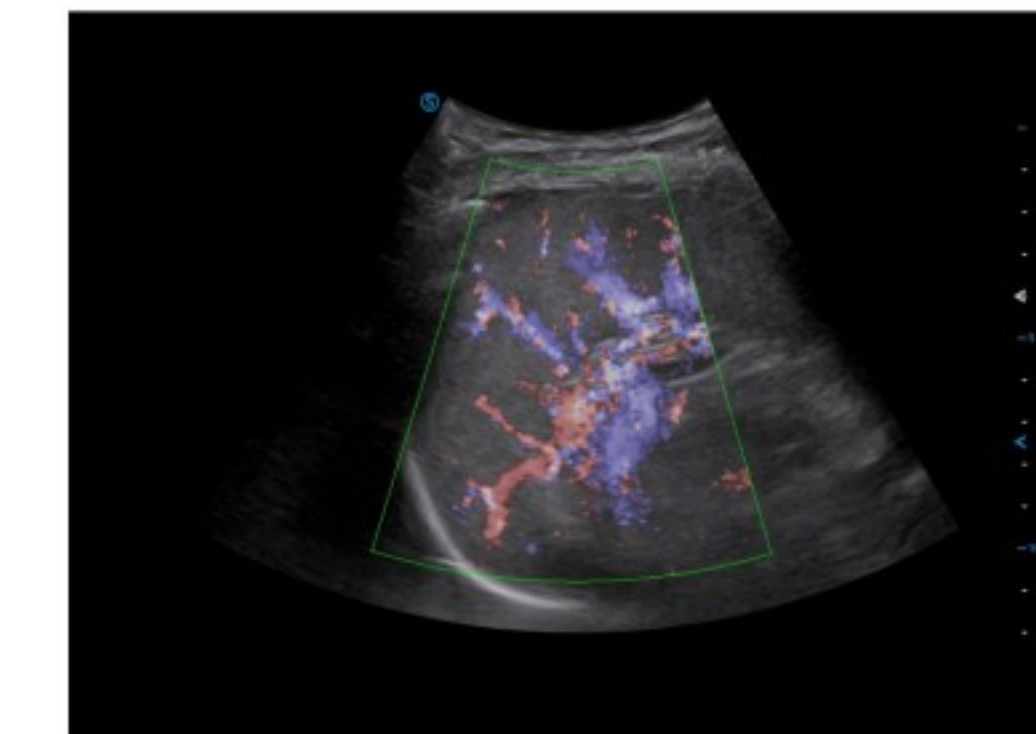
Real-time intellectual analysis during wide band beam forming enables self-tuning in energy emitting and receiving. The image uniformity will be enhanced without compromising resolution of focus area.



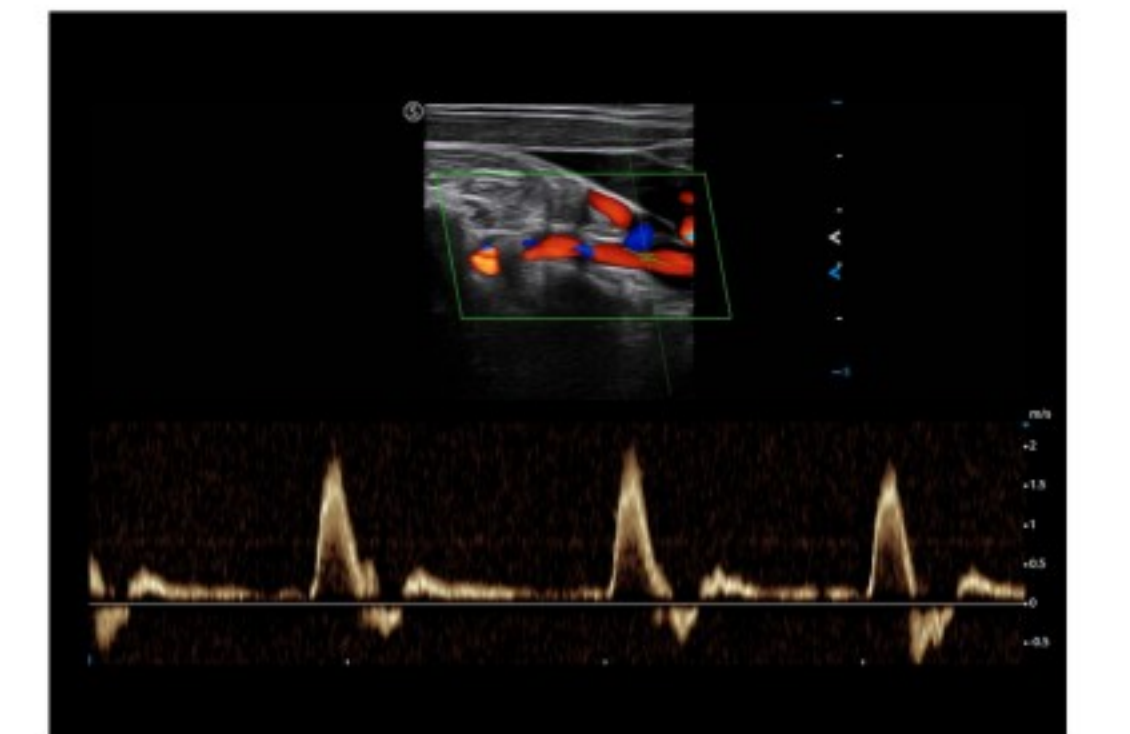
Heart



Liver



Spleen



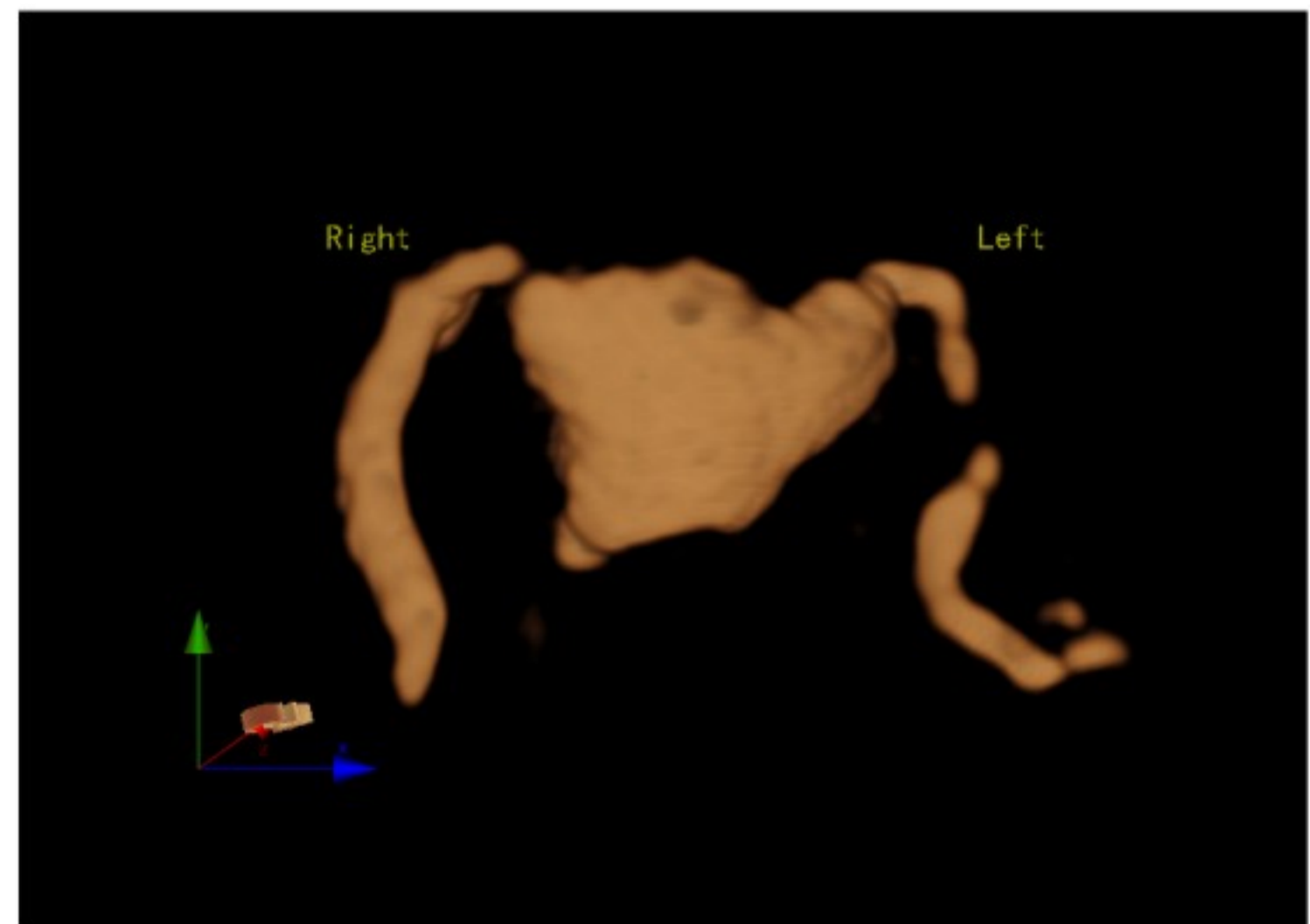
Vertebral artery



OBG/YN

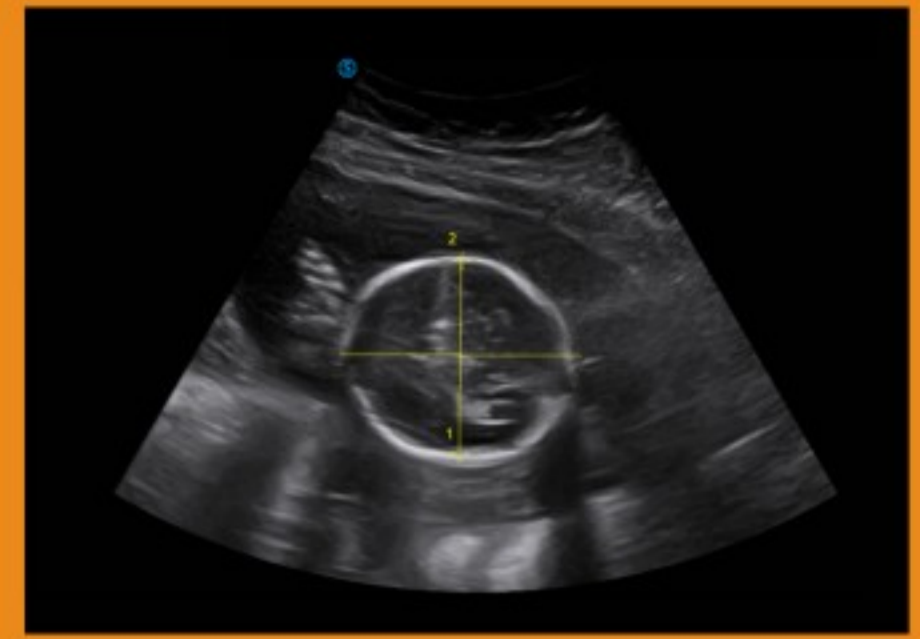
CHI

Oviduct 4D contrast-enhanced ultrasound offers a safer and more effective way for health evaluation for women. It facilitates the intuitive visualization of oviduct in multiple angles. Great reproductivity in noninvasive operation helps doctors to monitor the treatment progress for the patients.



Auto OB

With one touch, Auto OB selects the best section image and automatically performs various measurements including auto HC, BPD, OFD, AC, FL. It changes traditional obstetric diagnosis into an easier and faster experience and generates far more accurate diagnostic results.



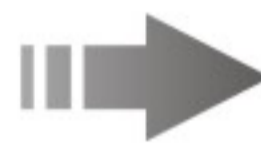
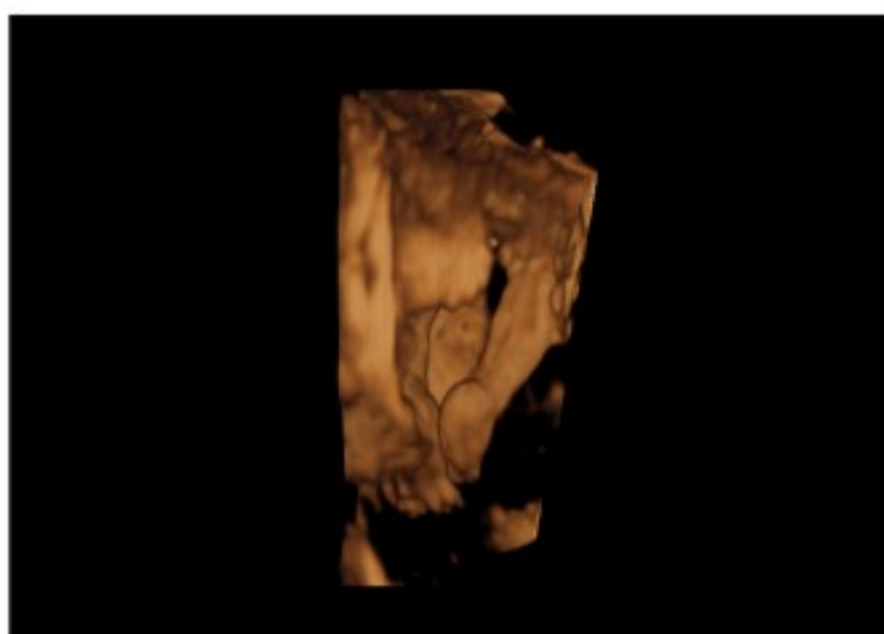
Lumi 4D

With high resolution, it supports real-time and static stereoscopic imaging of fetus. The glossiness and light source angle are adjustable for a better display of details. It presents lifelike 4D images with more useful information.



Any cut

Lasso and choose the target image area by taking it out from the volume data. Inverse operation to clear the unwanted tissue display is applicable also.



nSlice

This function presents multi-sections of the 4D object from different angles by rotating to find the needed section quickly.