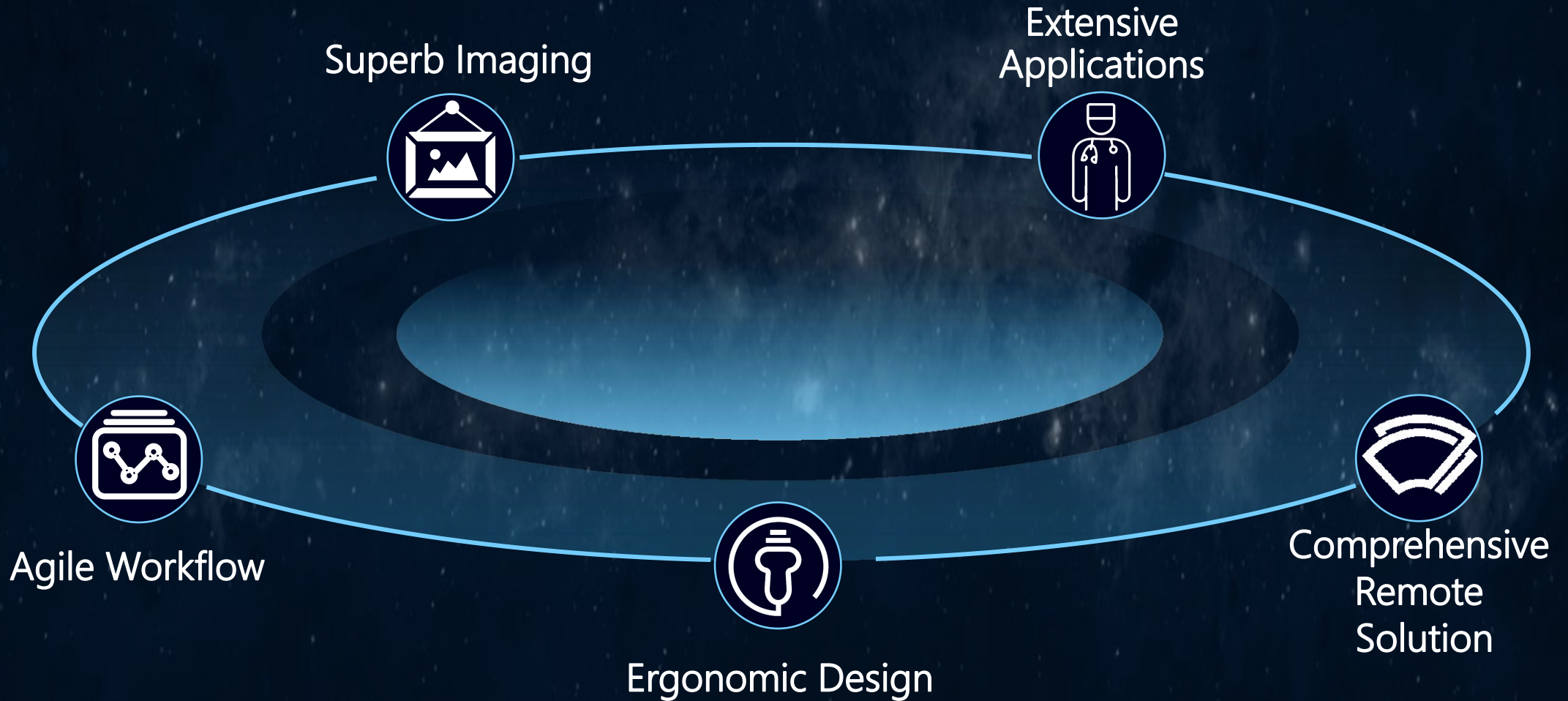


VINNO^R300

International Marketing, October 2022



Powered by RF platform, VINNO's brand-new R300 delivers high efficiency with precision imaging to meet various clinical needs, combined with continually evolving cutting-edge ultrasound technologies.



Superb Imaging

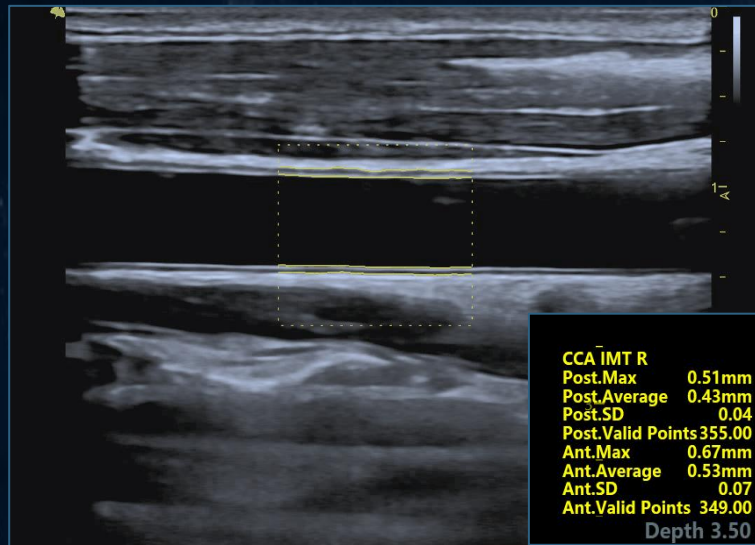
- Powered by RF Platform
- Cutting-edge Transducer Technology
- Advanced Imaging Technology

Powered by RF Platform (The First In The World)

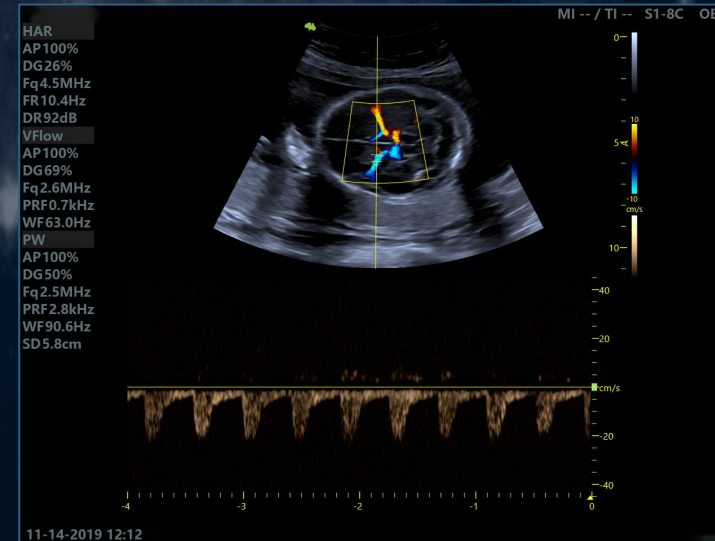
20bits 50Mill. samples per sec



Due to VINNO's innovative RF platform, the system can acquire 40 times amount of raw signal for back-end process which enables better resolution and powerful post process capability.



Resolves IMT as small as 0.1mm



Superior Color Flow Imaging detecting slowest velocities



Cutting-edge Transducer Technology

- ◆ XCen technology with wider bandwidth for optimum scanning solution
- ◆ PureWave Single Crystal transducer offers better penetration and higher resolution
- ◆ Supports up to 22MHz high resolution capability



S2-9C



X2-6C



D3-6C



X4-12L



X6-16L

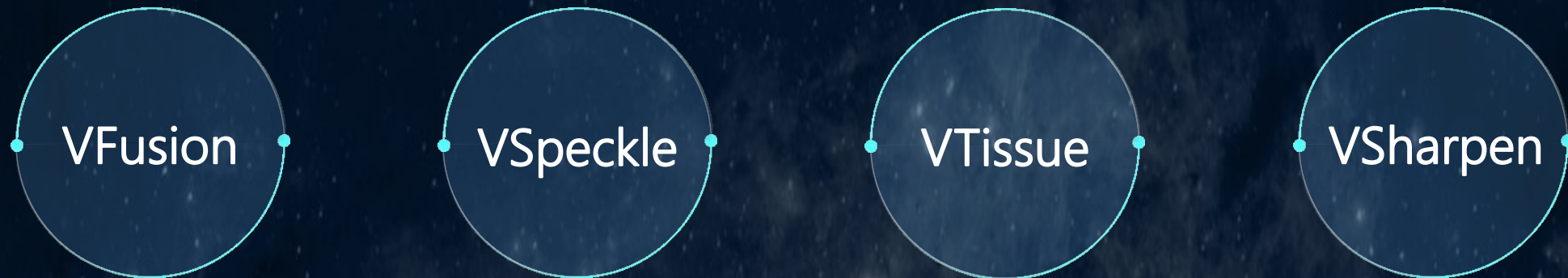


G4-9E



G1-4P

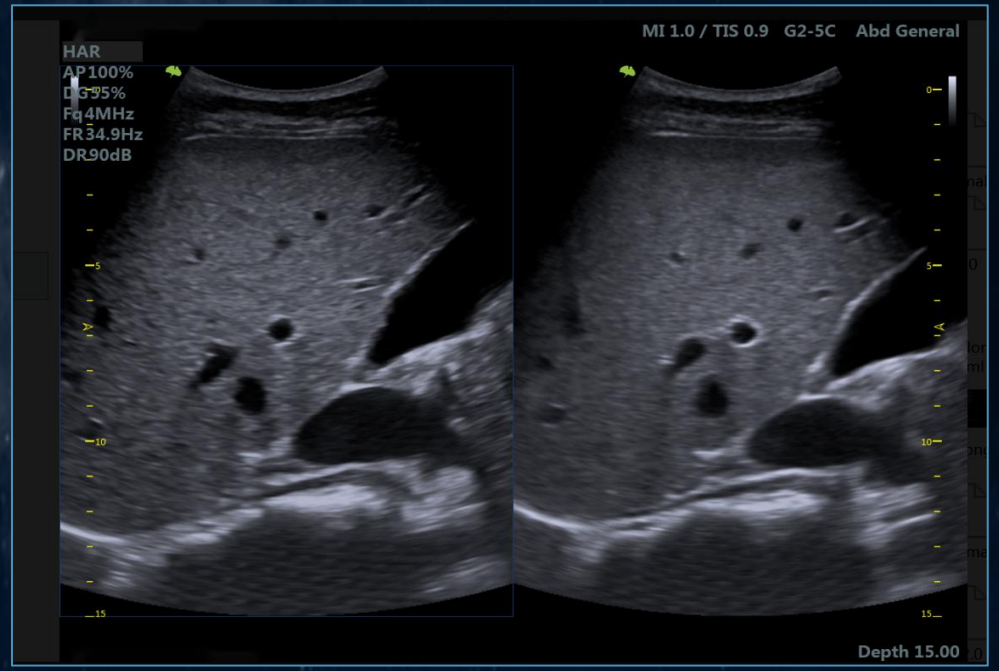
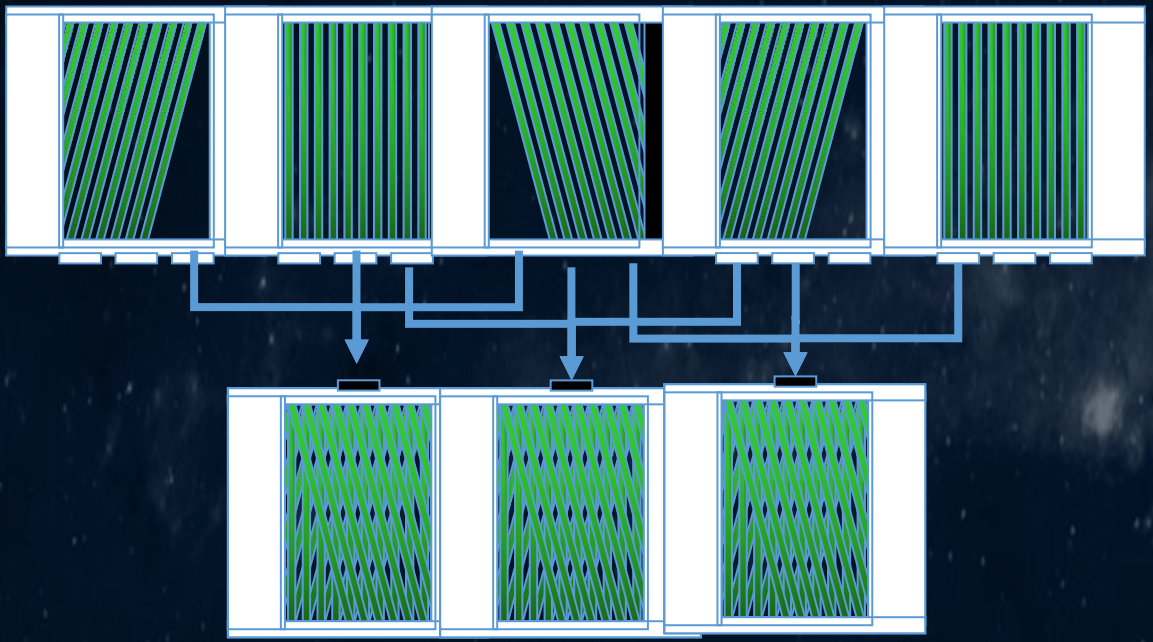
Advanced Imaging Technology





VFusion (Spatial Compound Imaging)

Spatial compounding technology combined together with RF platform, VFusion enhances the contrast resolution, border definition and reduces the speckle noise.



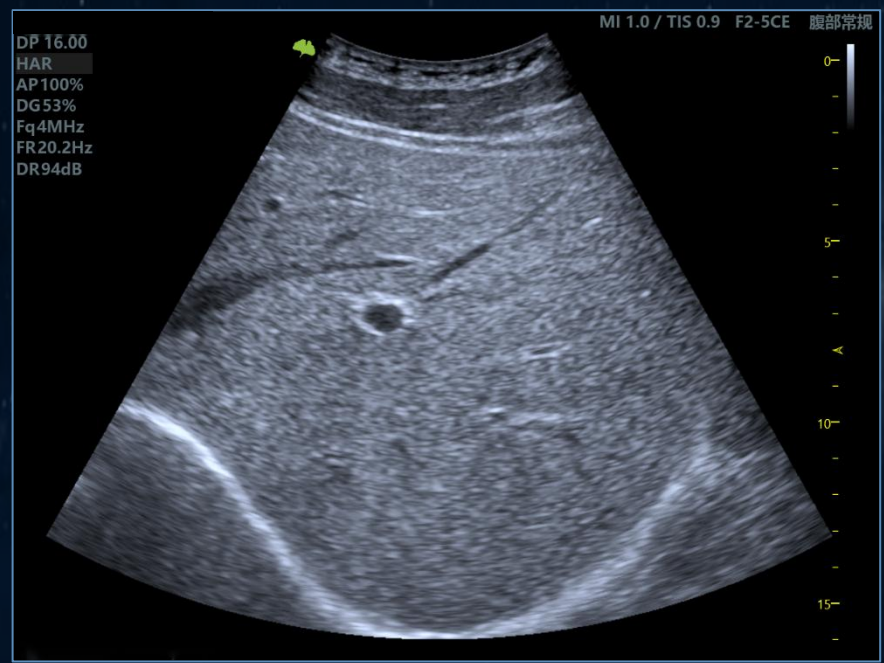
VFusion OFF

VFusion On

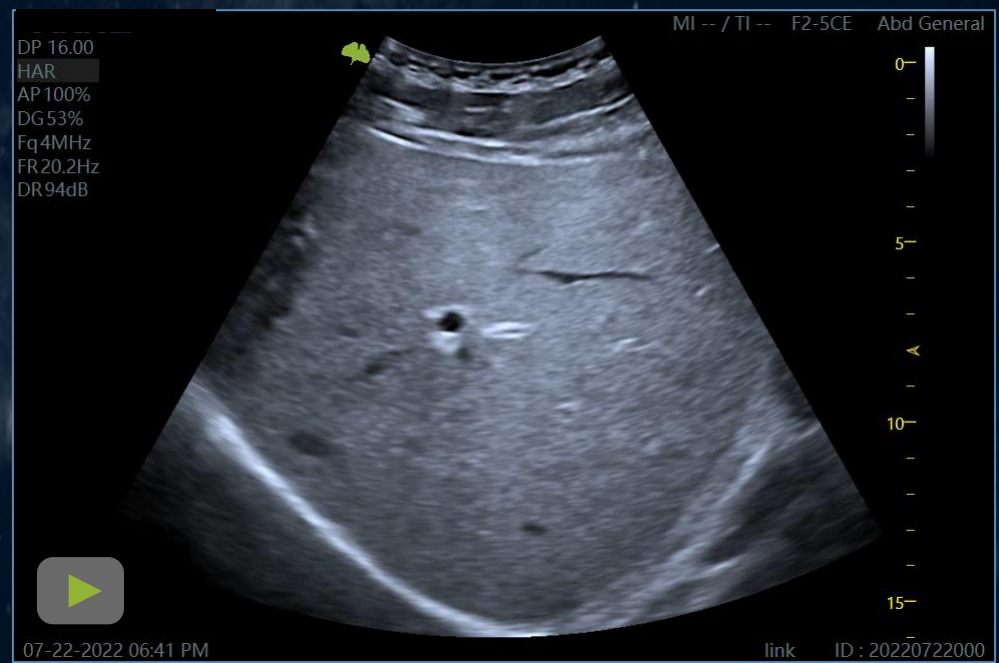


VSpeckle (Speckle Reduction Imaging)

Thanks to the world's 1st RF platform, VSpeckle adaptively enhances the homogenous echo texture of tissues and borders, reduces random speckle noise, thus improves the contrast.



VSpeckle Off

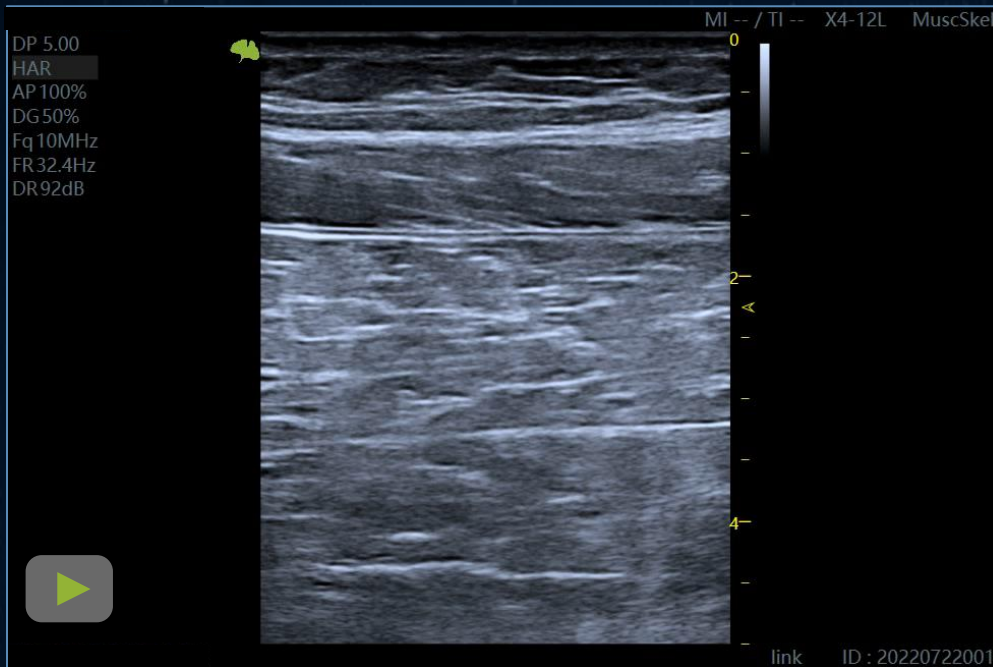


VSpeckle On

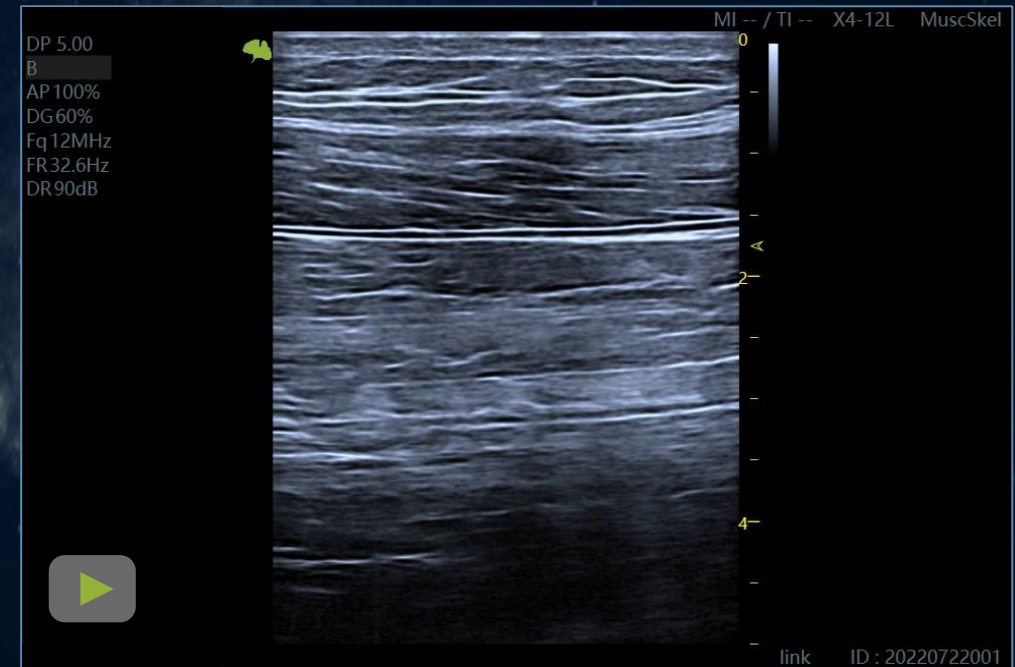


VTissue (Auto Edge Enhancement)

Gain improved tissue visualization based on the automatic structure detection and tissue border enhancement, such as tendons, gallstones and kidney stones.



VTissue Off

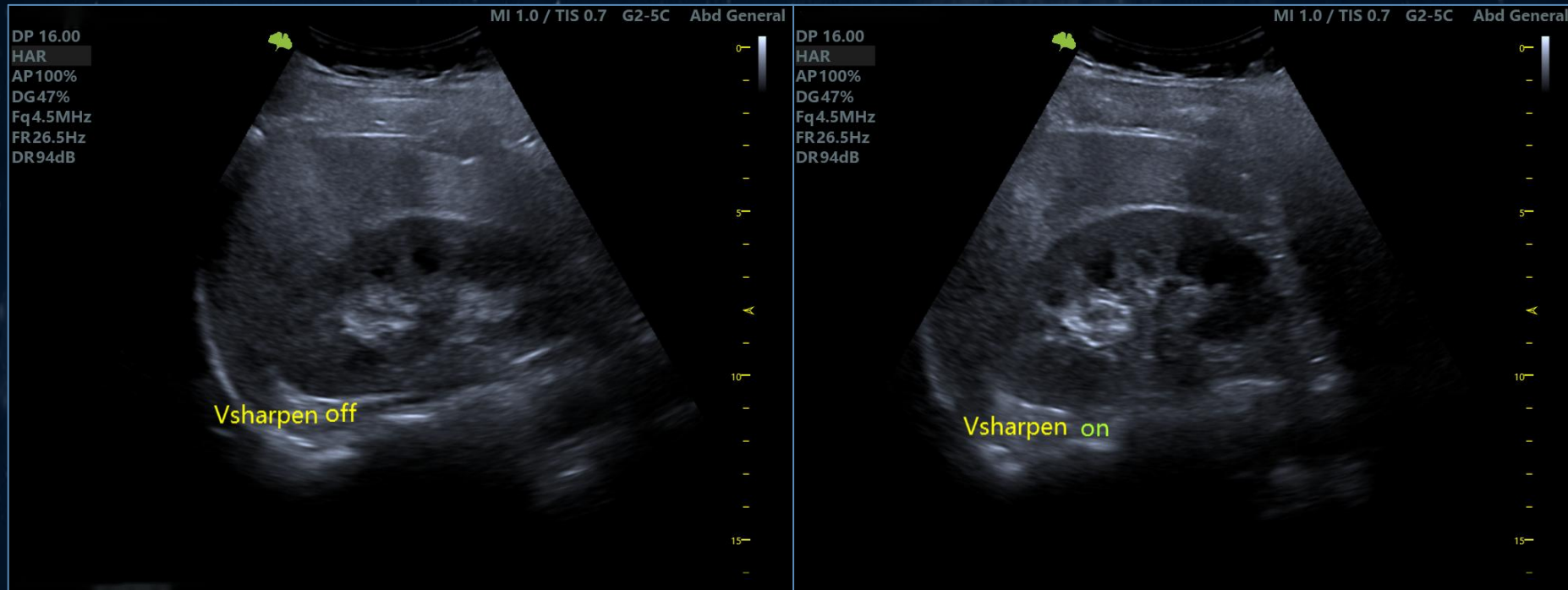


VTissue On



VSharpen (Contrast Enhancement Imaging)

Thanks to the raw data acquisition from the RF Platform, VSharpen enhances the subtle signals by presenting sharper and continuous edges with better visual dynamic range and contrast resolution.



Powered by RF Platform, R300 is designed for comprehensive and efficient diagnoses to meet the increasingly demanding clinical challenges.

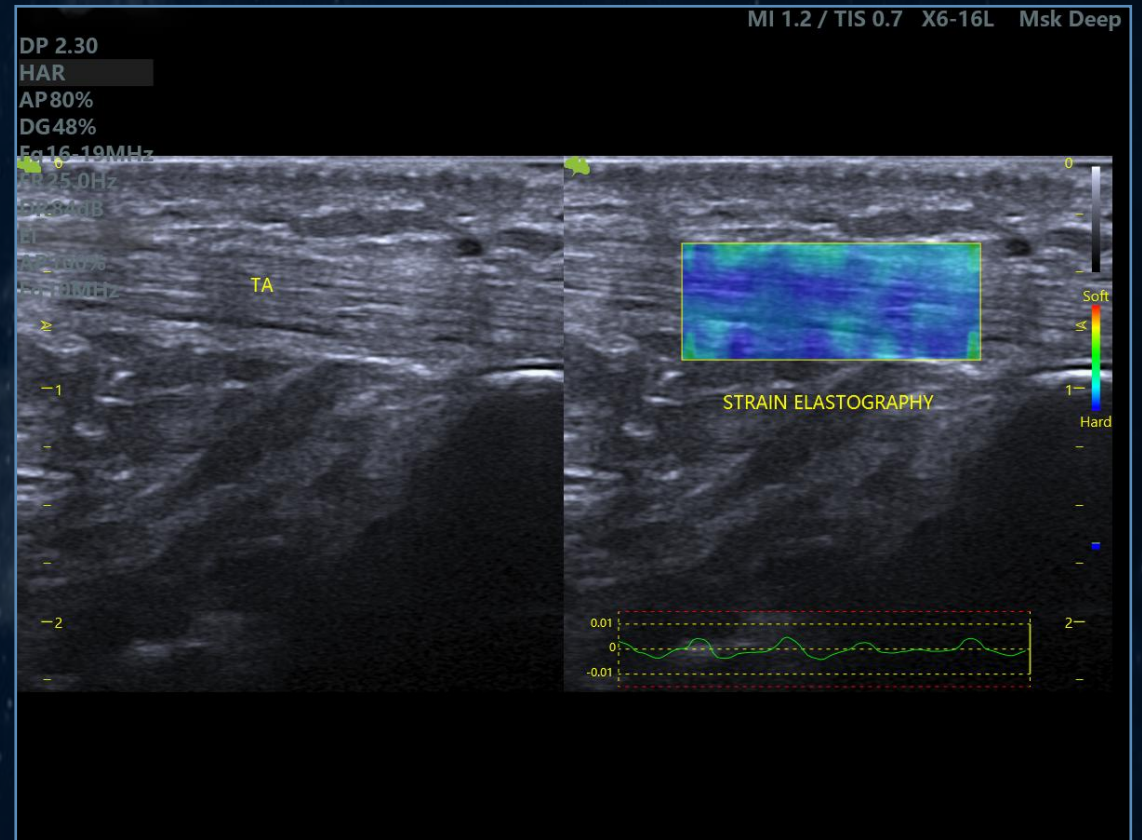
Extensive Applications

- General Imaging
- Women and Neonatal Healthcare
- Cardiovascular

General Imaging

Strain Elastography

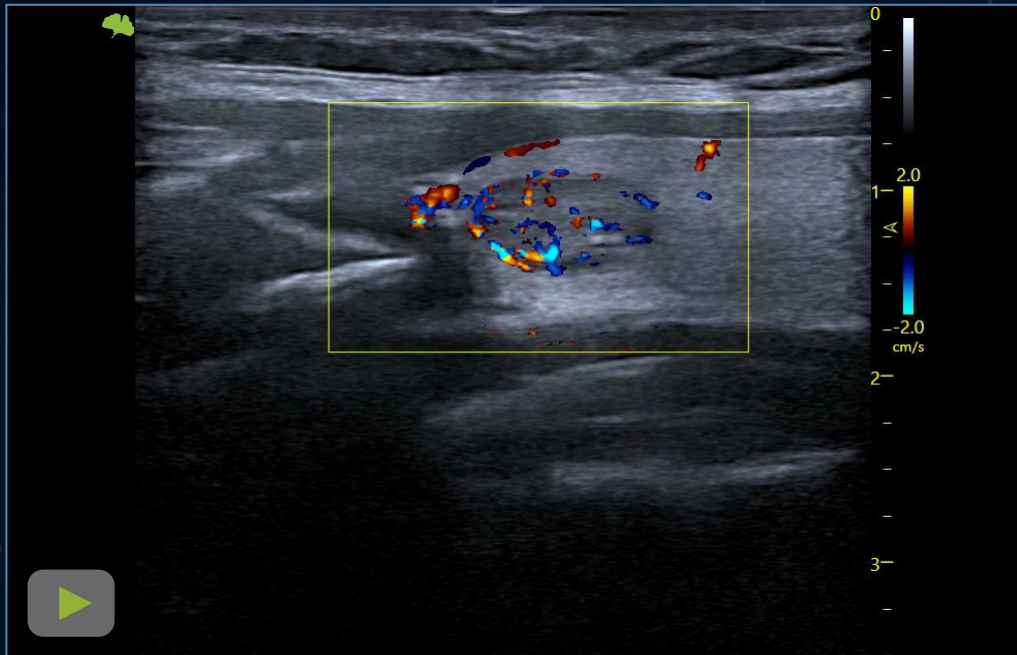
Elastography evaluates the elasticity through tissue displacement caused by cyclic compression, with the degree of displacement being larger in soft tissue than in hard tissue. Strain Ratio – a semi-quantitative tool measures the relative stiffness between lesion and reference, to help detect early signs of some forms of cancer, monitor patients with liver conditions, and locate the targets for biopsies.



General Imaging

VFlow

Effectively reduces color overflow based on the new algorithm to improve hemodynamic performance with enhanced spatial and temporal resolutions.



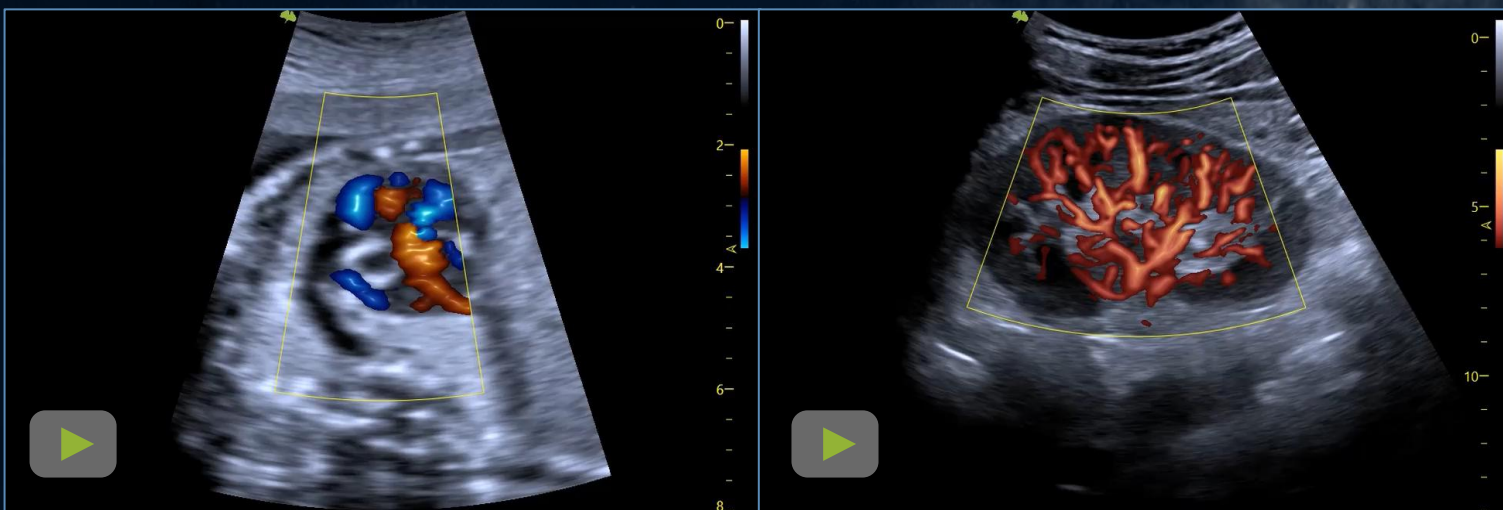
Clinical benefits:

- ◆ Micro-blood flow detection for better and accurate vessel presentation
- ◆ High spatial resolution with less color overflow

General Imaging

VLuminous Flow

An innovative technology which enhances blood flow visualization by displaying 3D impression of Color/Power flow imaging.



Clinical benefits:

- ◆ Provide intuitive spatial information of Color Doppler Flow Imaging
- ◆ Better structure visualization for small vessels

General Imaging

PView (Panoramic Imaging)

PView seamlessly extends the field of view by quickly adapting the forward/backward movements of the probes.

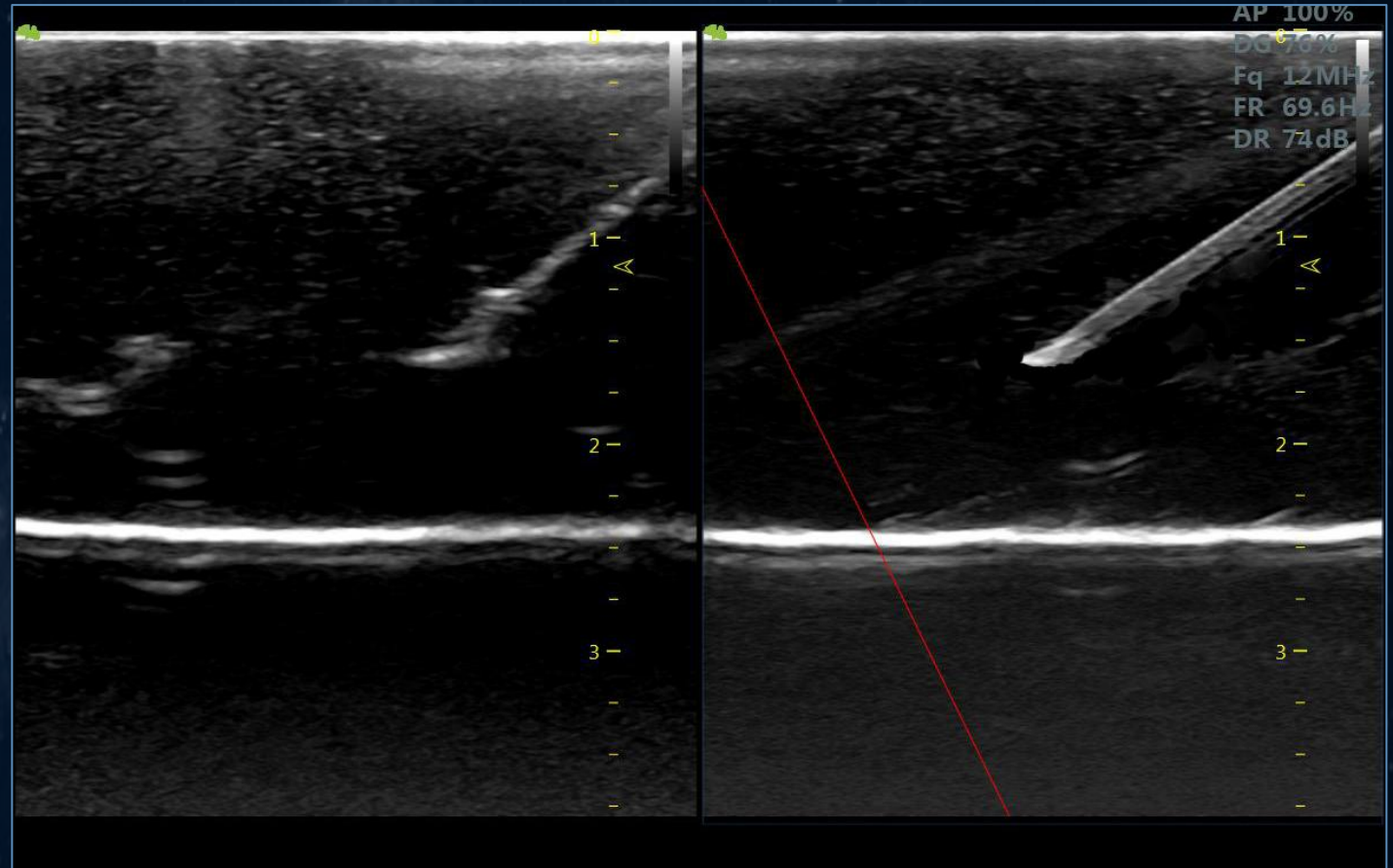
Full zoom, cineloop review and image rotation are available after acquisition.



General Imaging

Needle Enhancement

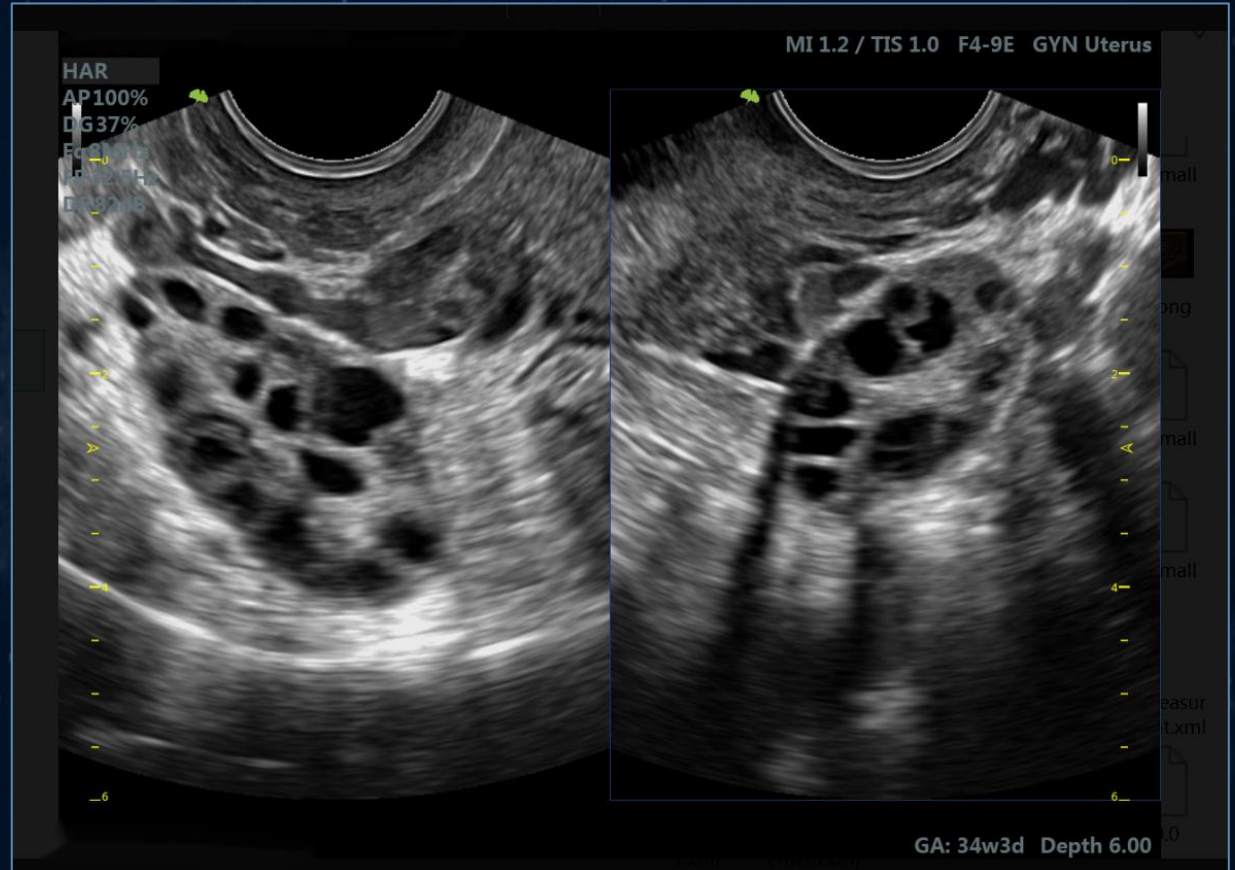
Allow a straightforward needle approach with enhanced needle visualization to target and improve accuracy for needle procedures.



Women and Neonatal Healthcare

Easy Compare

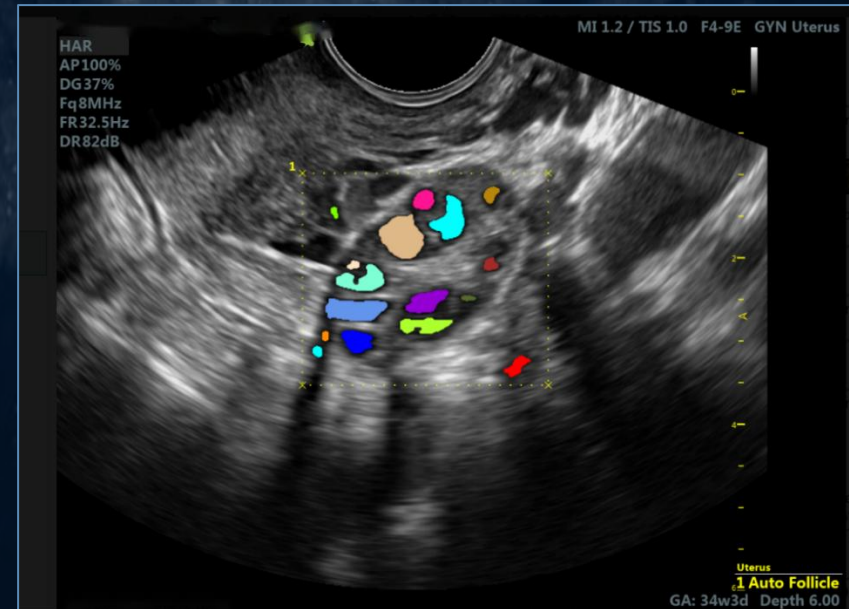
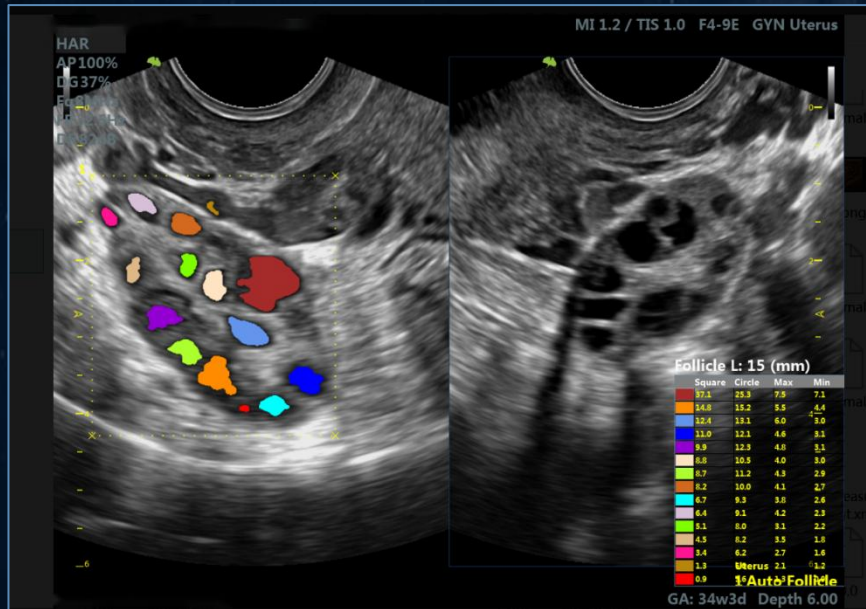
Compares the current and the previous exam to make confident diagnosis.
Useful in follow-up studies like assisted reproduction, observe regression/progression of a lesion/tumor etc.



• Women and Neonatal Healthcare •

AI-powered Reproductive Assessment – VAim Follicle

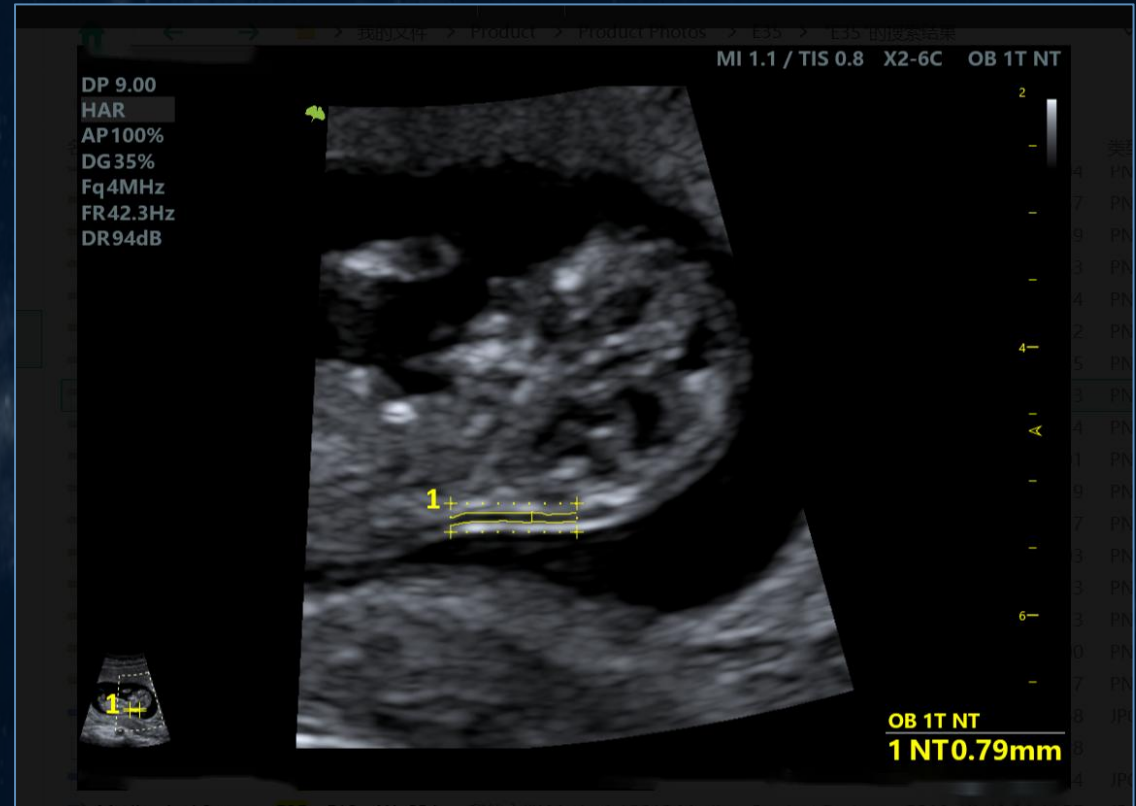
One-click automatically detects the number of follicles and calculates the volume for each one from a 2D or 3D ovarian image, ensuring a highly-productive and accurate follicle assessment for IVF exams.



Women and Neonatal Healthcare

Auto NT

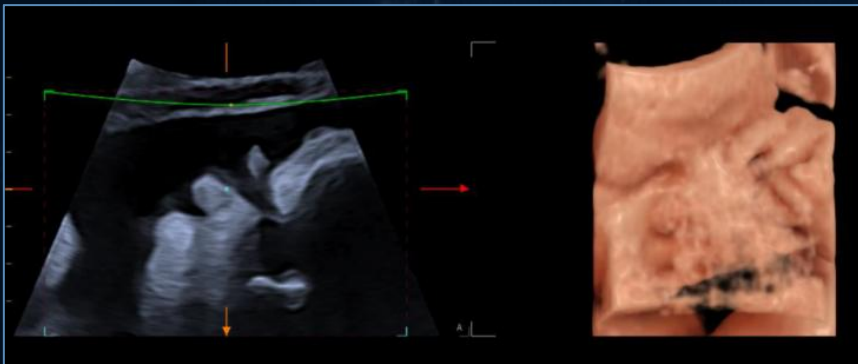
Automatic measurements of NT (Nuchal Translucency) with a single click for higher productivity and reproducibility.



• Women and Neonatal Healthcare •

3D Smart Face

An intelligent tool for 3D/4D fetal face optimization. It detects the fluid/tissue interface and smartly removes noise obscuring the fetus inside the ROI, to obtain an optimal baby face.



Women and Neonatal Healthcare

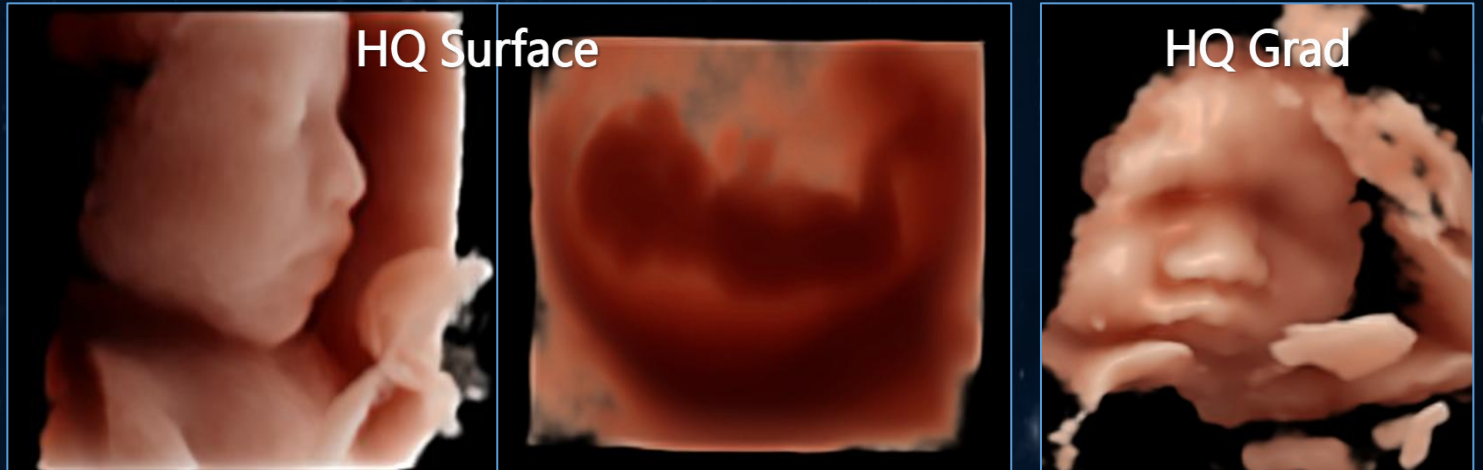
3D HQ Rendering

➤ HQ Grad

Photo-realistic high quality rendering with adjustable light source direction to enhance the perceived 3D effect.
Useful to view surface nuances.

➤ HQ Silhouette

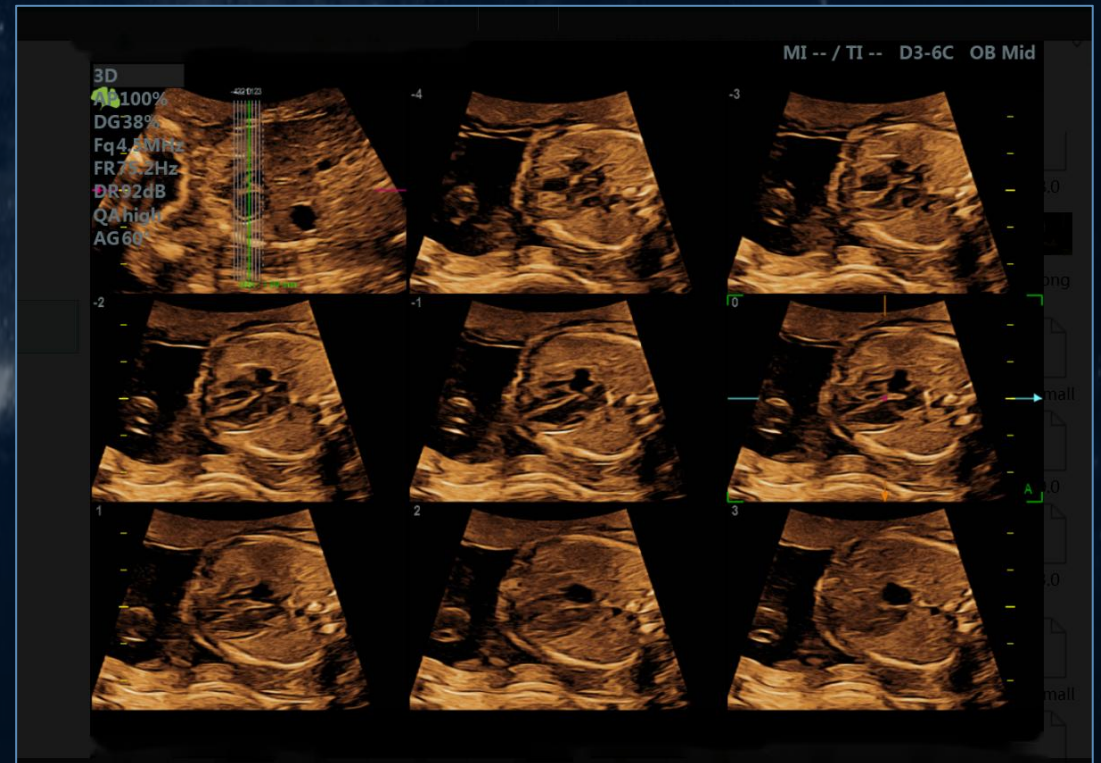
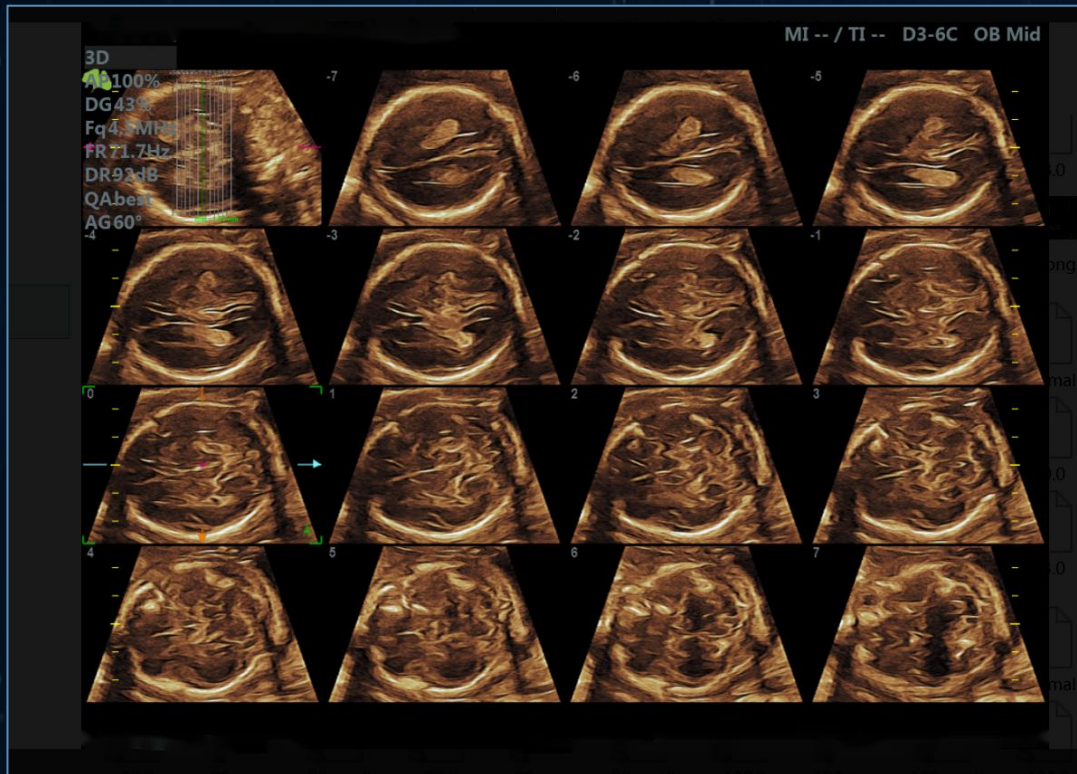
Contour/Boundary line is highlighted with inverse brightness to tissue regions creates a "see through" effect.
Useful to view along with internal structures



• Women and Neonatal Healthcare •

Mcut

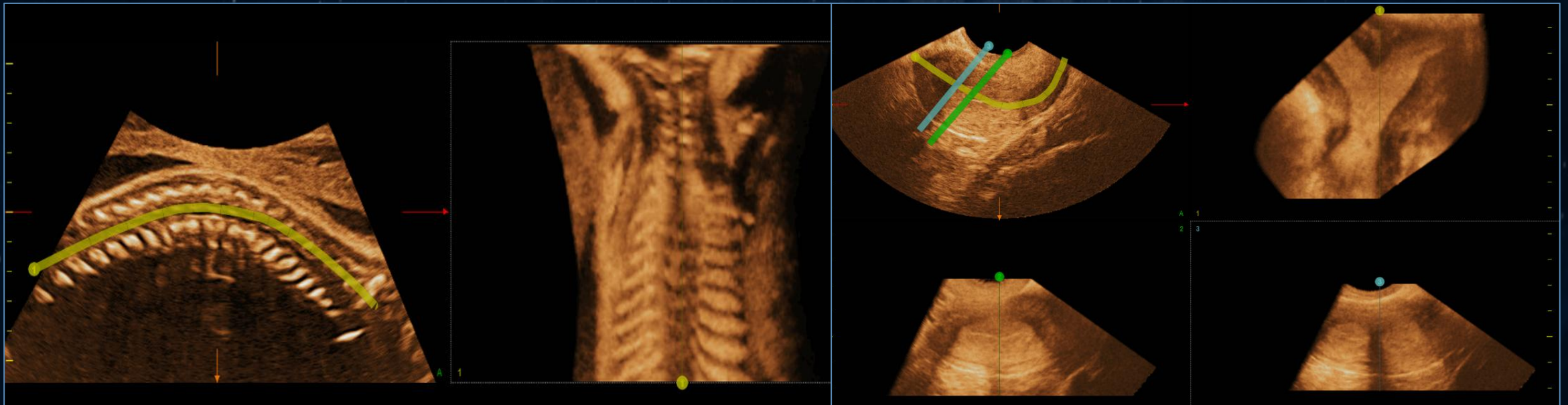
A CT-like view functionality displaying volume data in multiple parallel 2D images (max. 25) to effectively interpret fetal anatomical structures, to allow for more confident diagnosis.



• Women and Neonatal Healthcare •

Free View

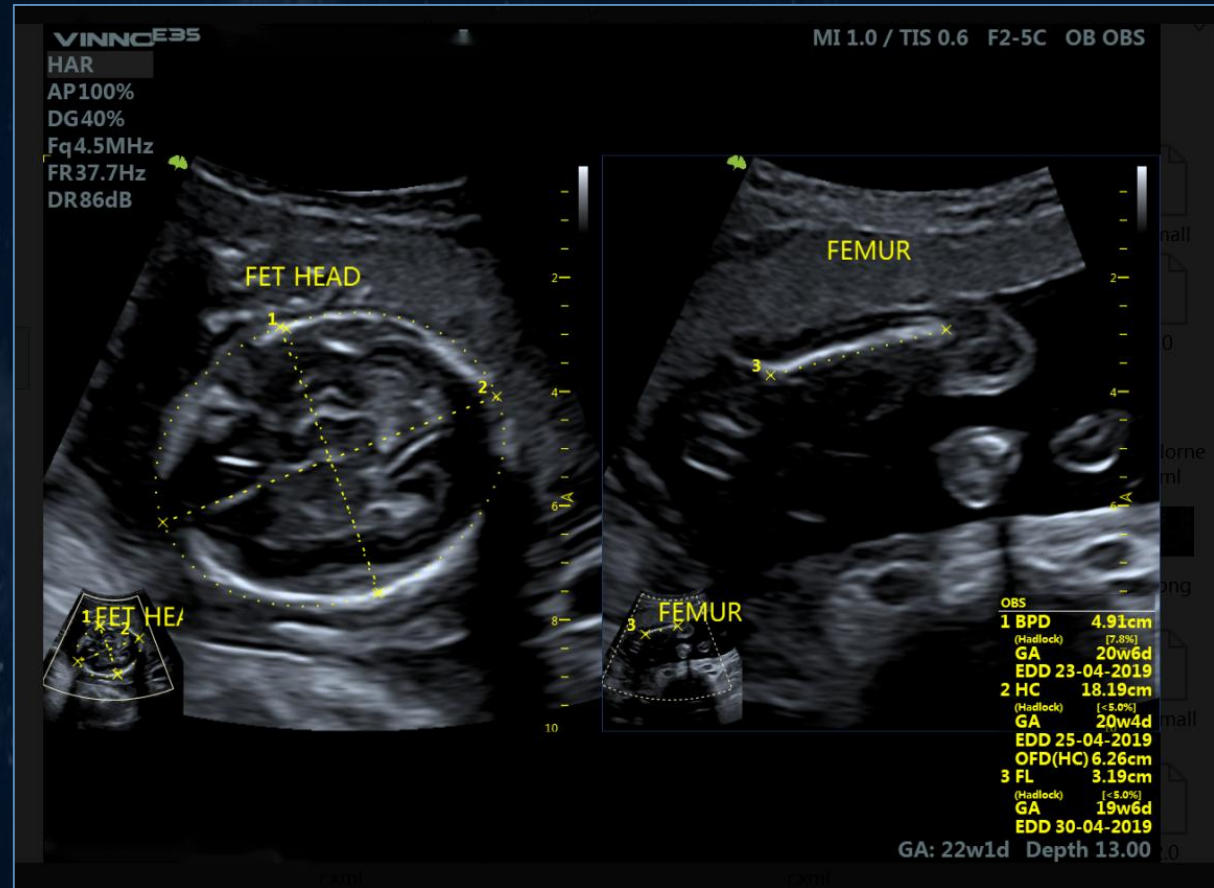
Re-construct an image plane of a freely drawn line/curve (up to 3 lines) out of the volume data that cannot be captured in 2D imaging.



Women and Neonatal Healthcare

Auto IT

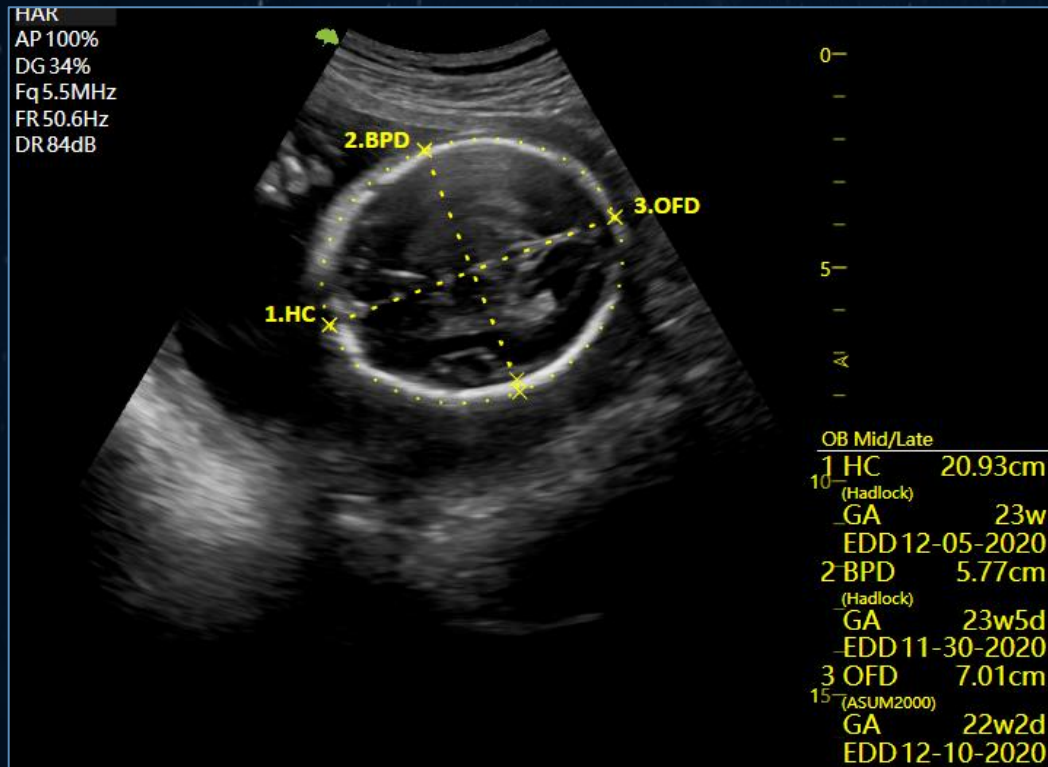
Automatic measurements of IT (Intracranial Translucency) with a single click for efficient prenatal screening for chromosomal defects like Downs syndrome.



• Women and Neonatal Healthcare •

AI-powered Fetal Biometry Study – VAim OB

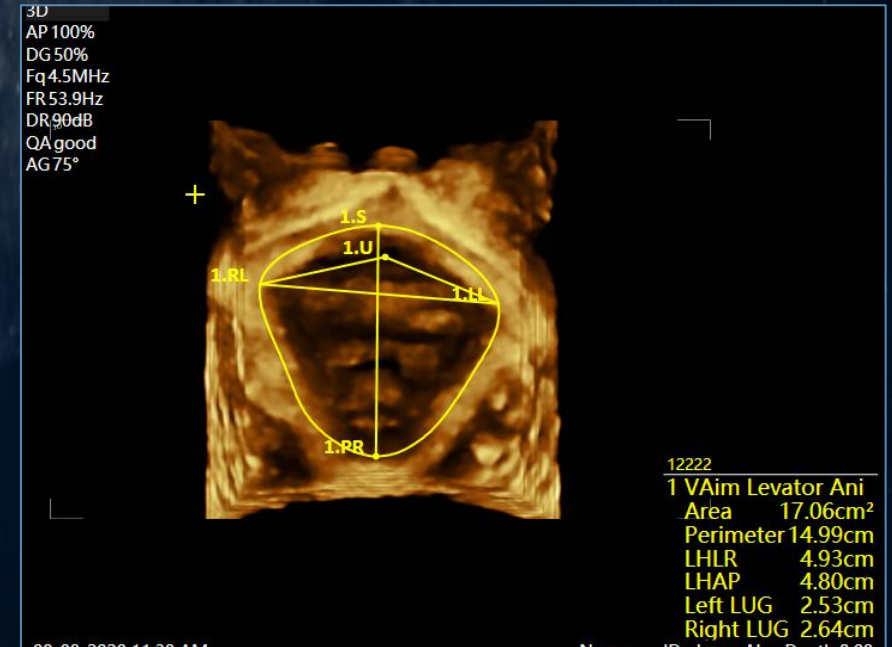
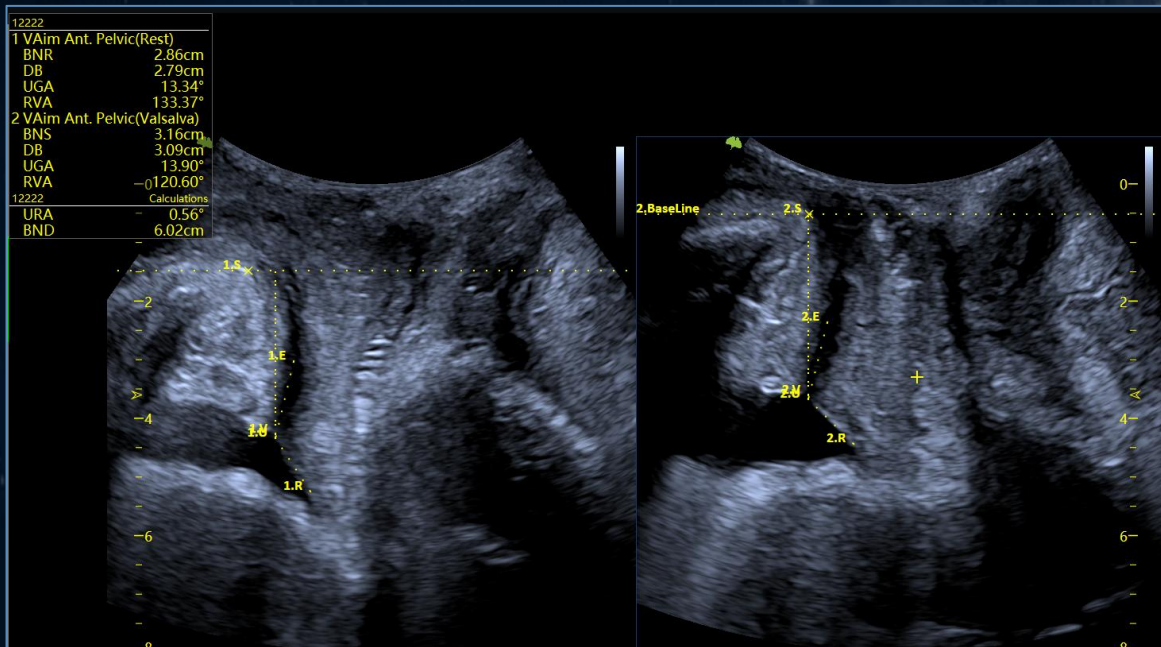
This intelligent fetal biometry allows a fully automatic and accurate detection of standard biometry image and measures BPD, HC, AC, FL and HL. VAim improves the throughput and reduces inter-observer variability.



• Women and Neonatal Healthcare •

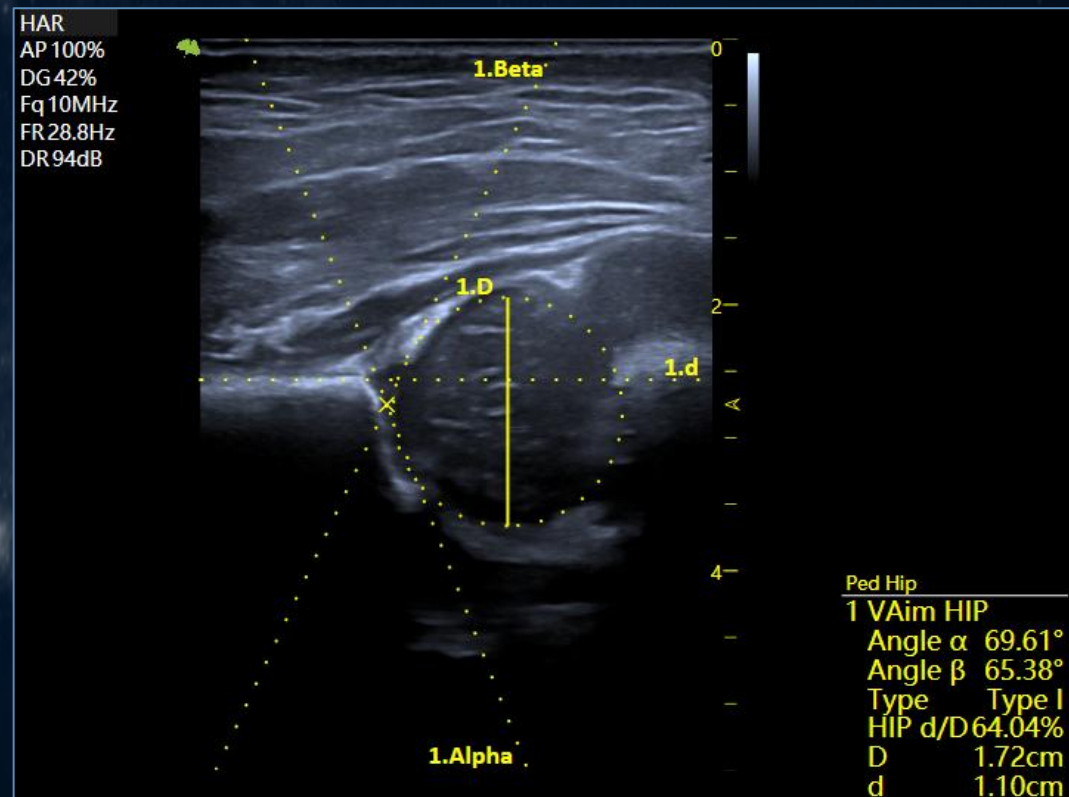
AI-powered Pelvic Floor Disorder Diagnosis – VAim Pelvic

An automatic pelvic floor measurement greatly simplifies operational procedures and minimizes the exam time for a standard evaluation, whether for the anterior pelvic compartment[2D] or anal levator hiatus[3D].



AI-powered DDH Screening – VAim Hip

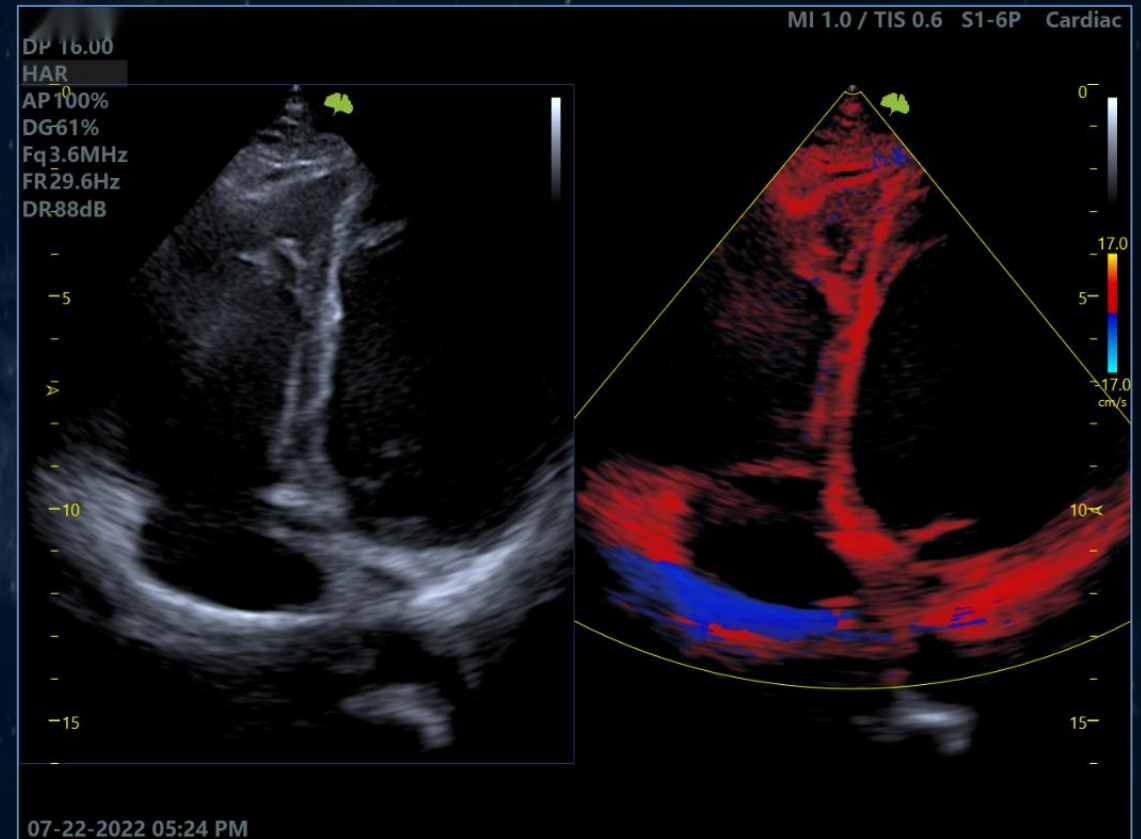
Auto detection of hips structures and auto measurement of alpha, beta angles [Graf Classification] and diameters for DDH screening and diagnosis. Simple and quick exam takes only one click.



Cardiovascular

TDI (Tissue Doppler Imaging)

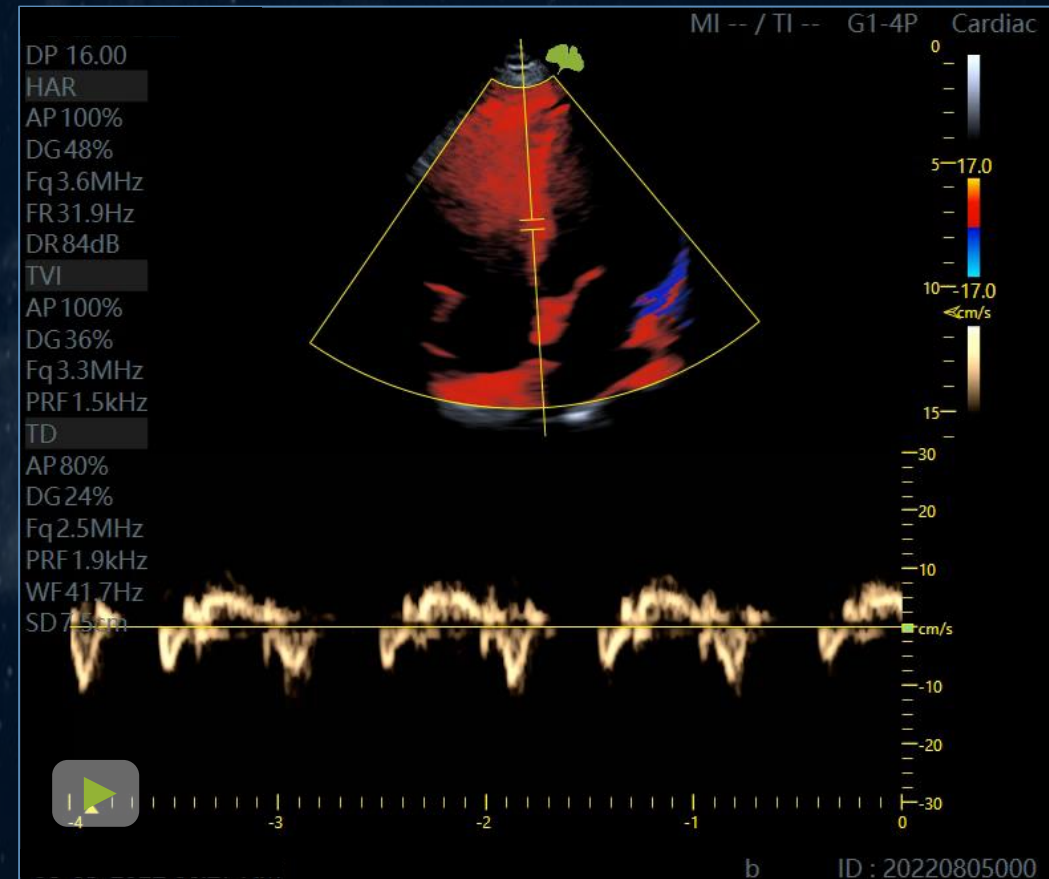
Tissue Doppler Imaging allows to quantitatively evaluate regional myocardial movement and function, providing complete TDI modes for faster and direct diagnosis.



Cardiovascular

TVI (Tissue Velocity Imaging)

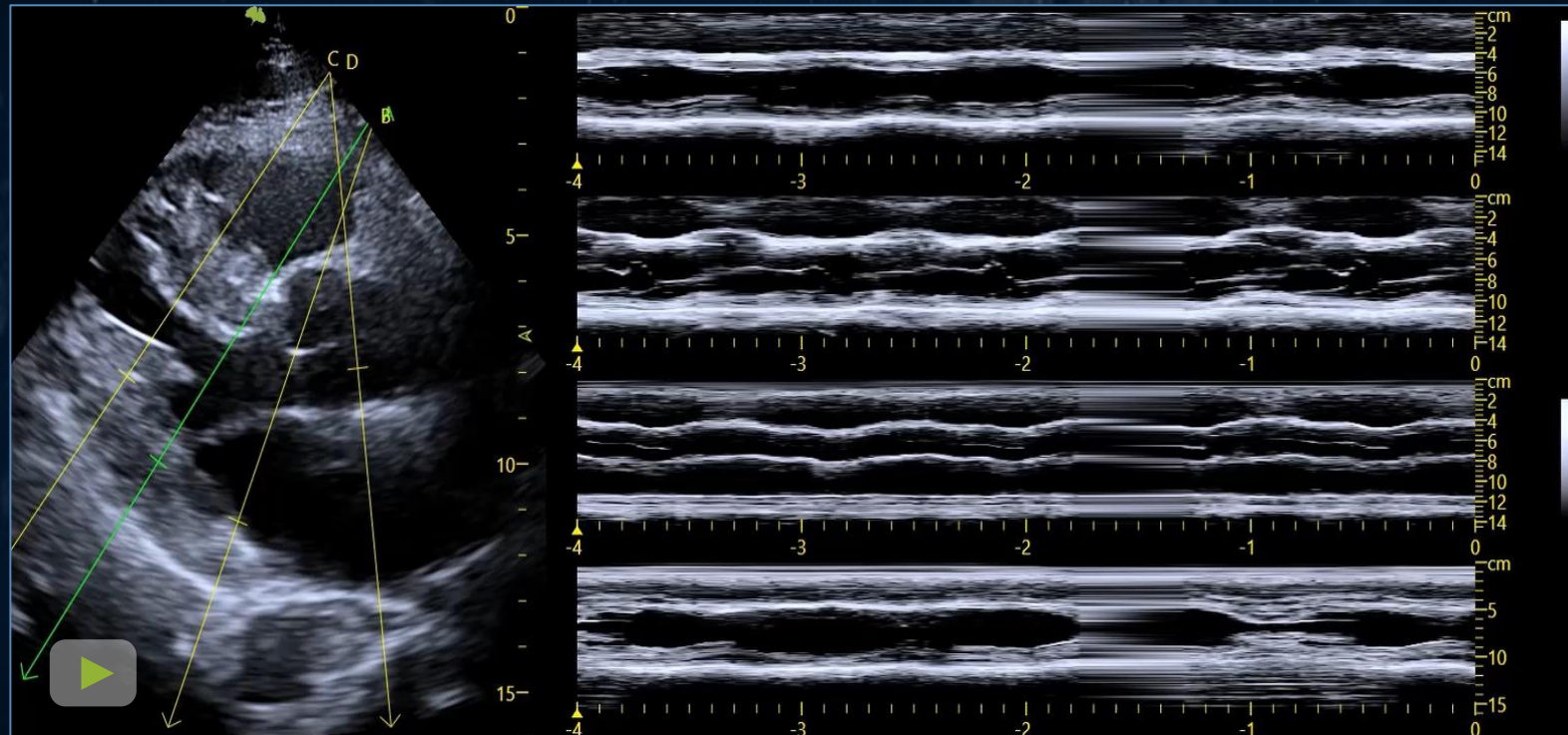
Tissue Velocity Imaging (TVI) uses myocardial Doppler frequency shifts to quantify myocardial tissue motion. TVI can be used to assess global and regional systolic function, as well as left ventricle relaxation abnormalities.



Cardiovascular

MAM (Multi-angle M-mode)

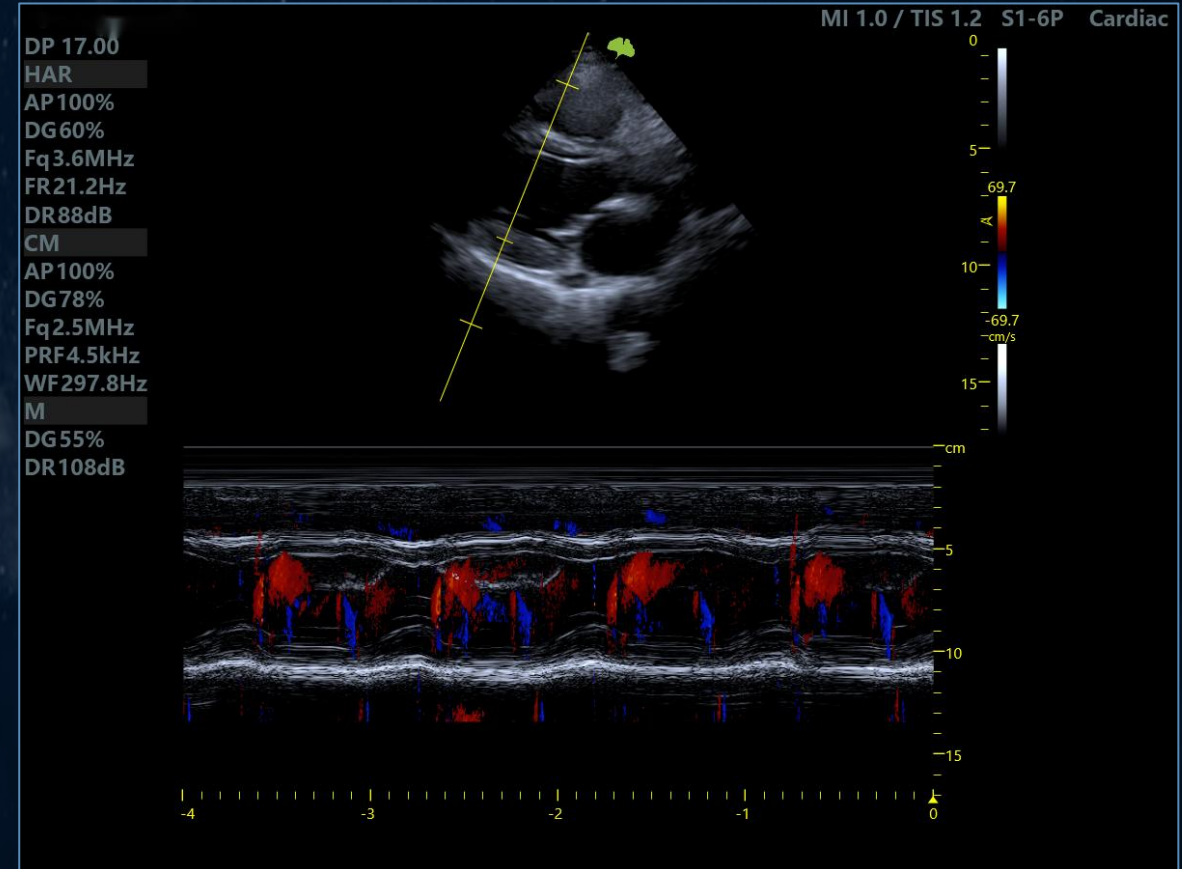
Gain precise anatomical observation by freely placing sample lines at any angle (360° rotation is available).
Attain better images through simultaneous display of up to 4 sample lines.



Cardiovascular

Color M (Color M-mode)

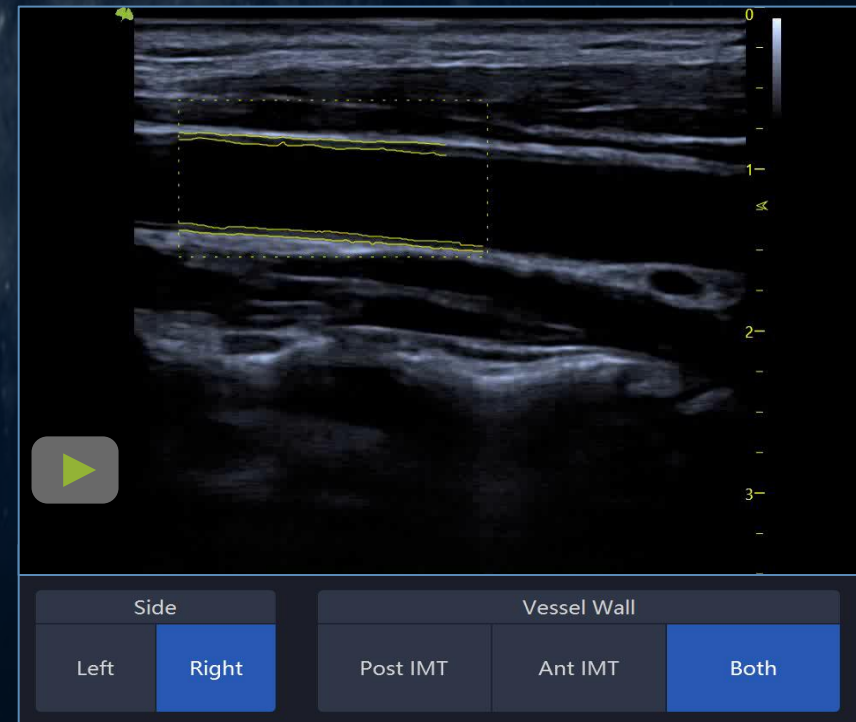
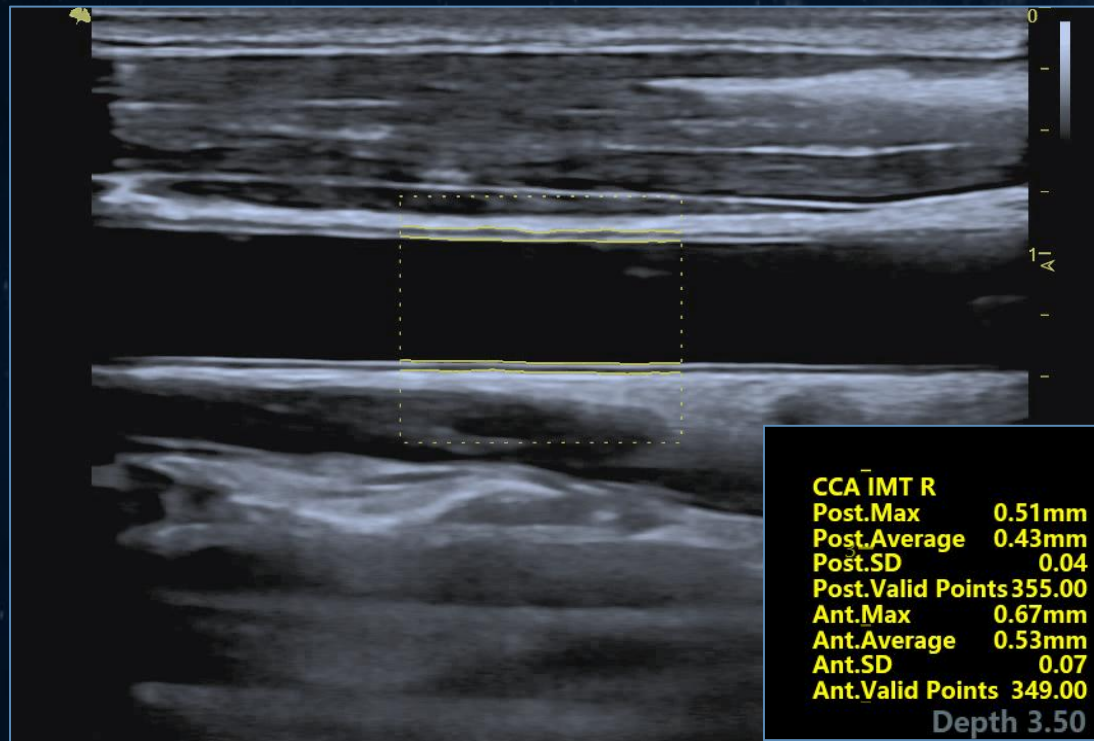
Accurately evaluate myocardial motion at different phases with coded colors, and simultaneously determine myocardial synchronization. High frame-rates providing accurate results.



Cardiovascular

Real-time IMT Measurement - Live IMT

RF-data based IMT measurement provides high precision, real time and auto measurement of both anterior and posterior walls, for early detection of arteriosclerotic and cardiovascular risk assessment and the pharmacological treatment follow-up.



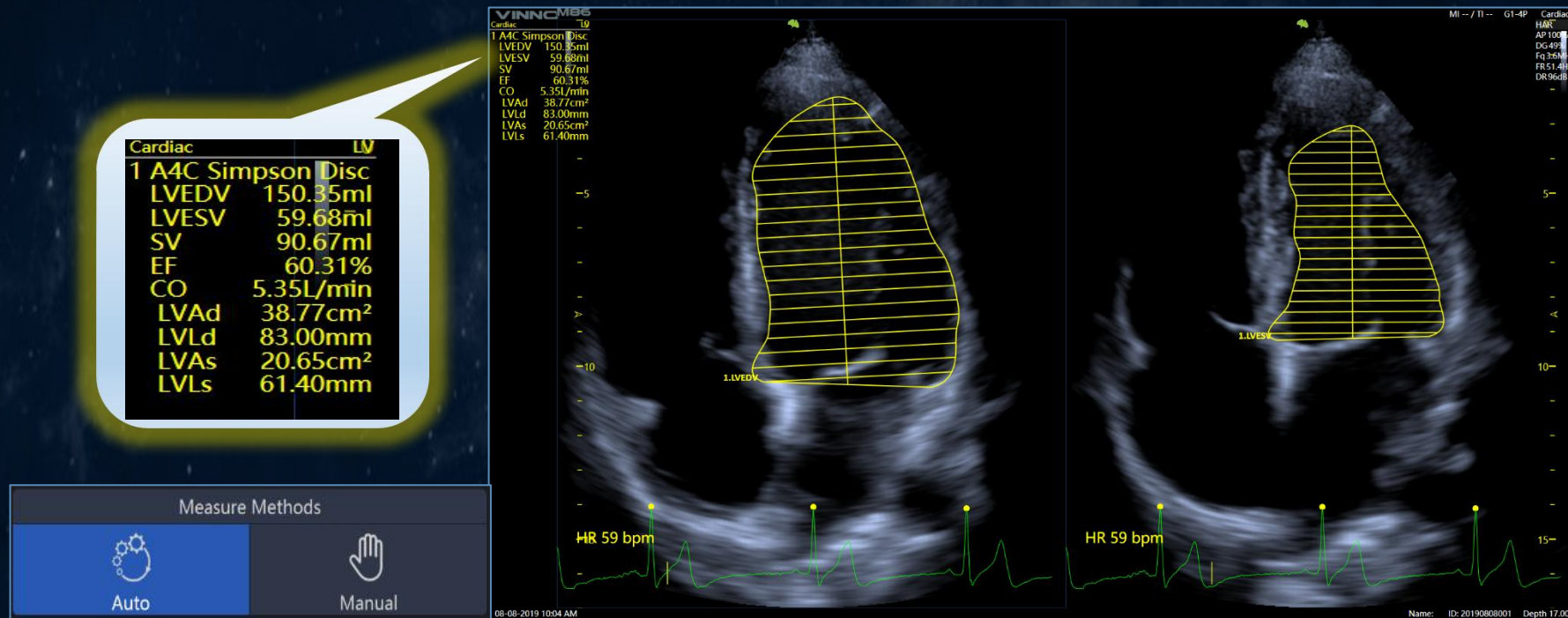
INNOVATION FOR A BETTER LIFE



Cardiovascular

Auto EF

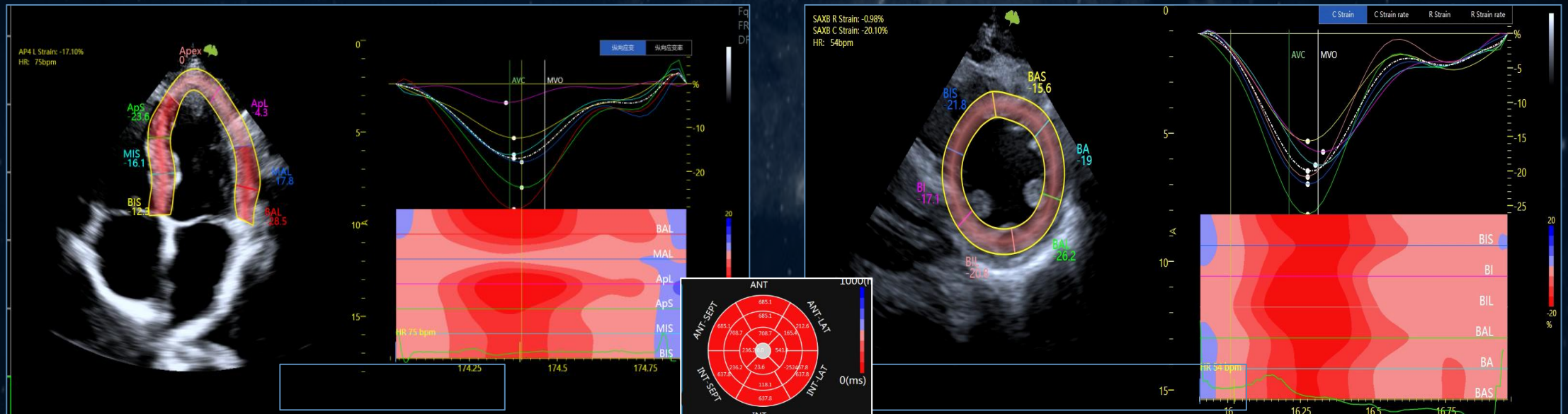
Intelligent approach to analyze 2D echo clips of diastole/systole frames and output EDV/ESV/EF etc. results by Simpson method.



Cardiovascular

Quantify Wall Motion of the Left Ventricle – Strain Imaging

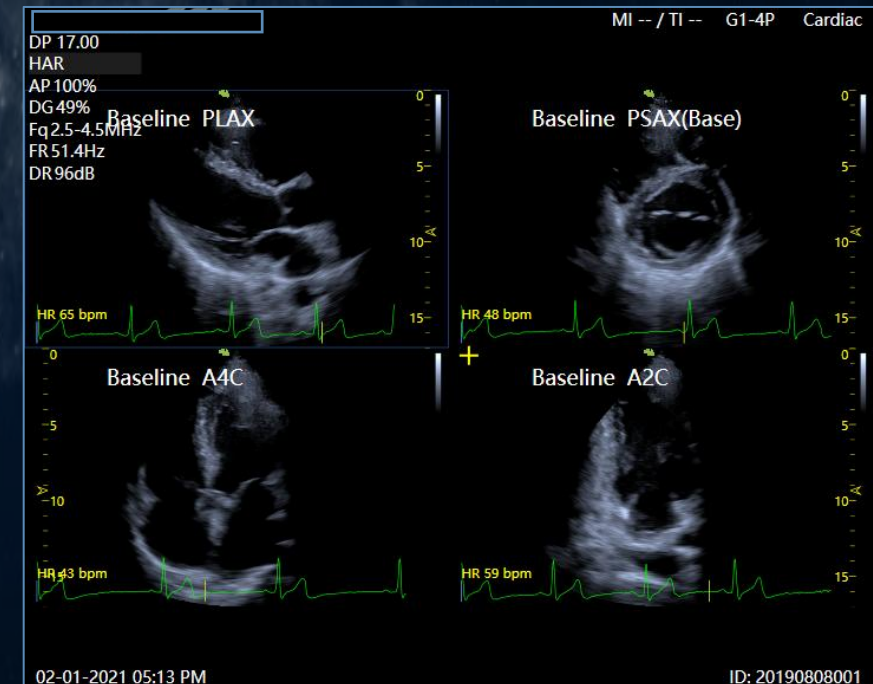
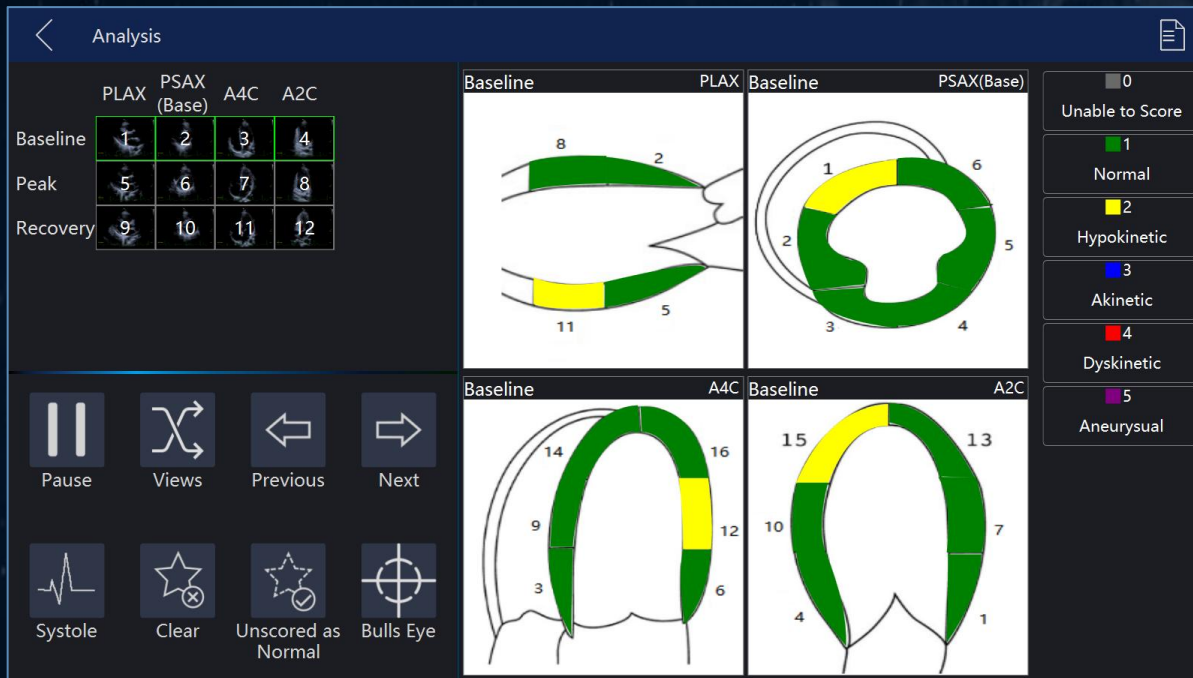
Strain imaging is a quantitative tool for measuring global and segmental wall motion of the left ventricle (LV). Three standard LV views and a Bull's Eye view are displayed for easy and quick assessment of LV function.



Cardiovascular

Non-invasive Coronary artery and Valve Disease Detection – Stress Echo

Stress Echocardiography is a dynamic evaluation of myocardial perfusion and viability under an induced stress of the heart. The package includes wall motion scoring and reporting.

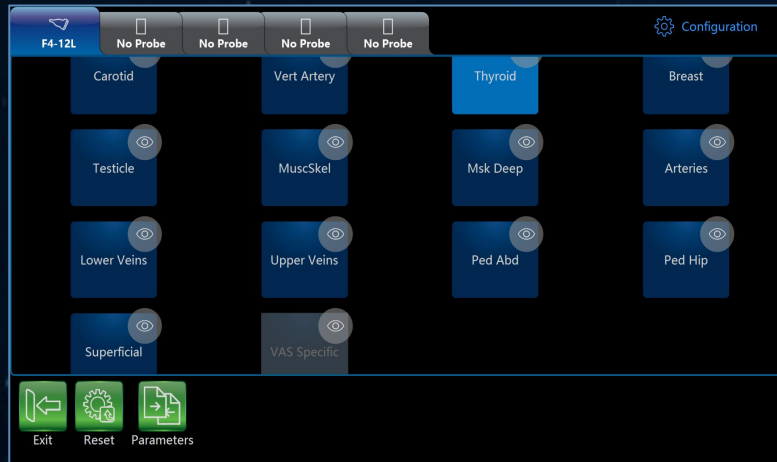




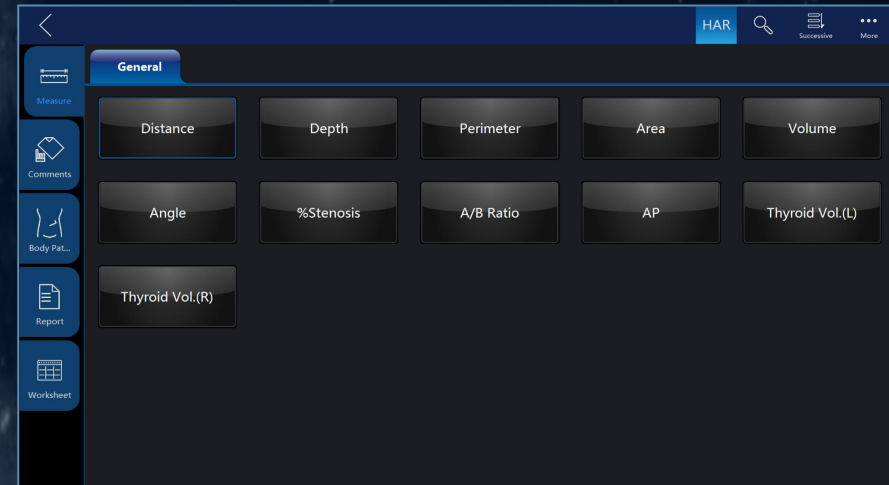
Agile Workflow

Enables optimum flexibility for probe selection, quick user-defined presets, adding comments and measurements, allowing maximum productivity during scanning.

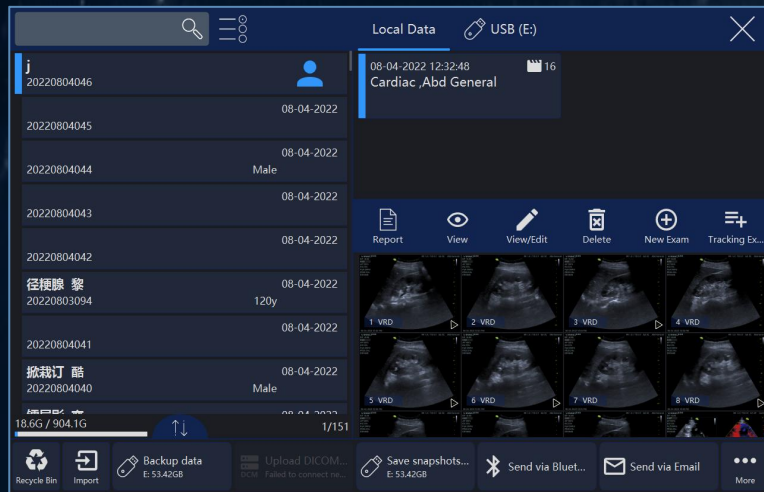
Agile Workflow



Self-defined preset



Self-defined measurement item



Fast review by sliding on touch screen

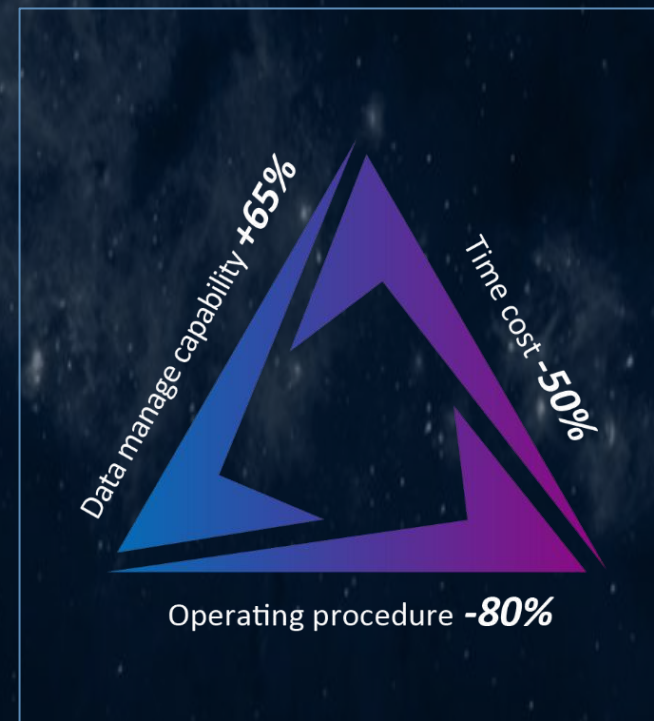
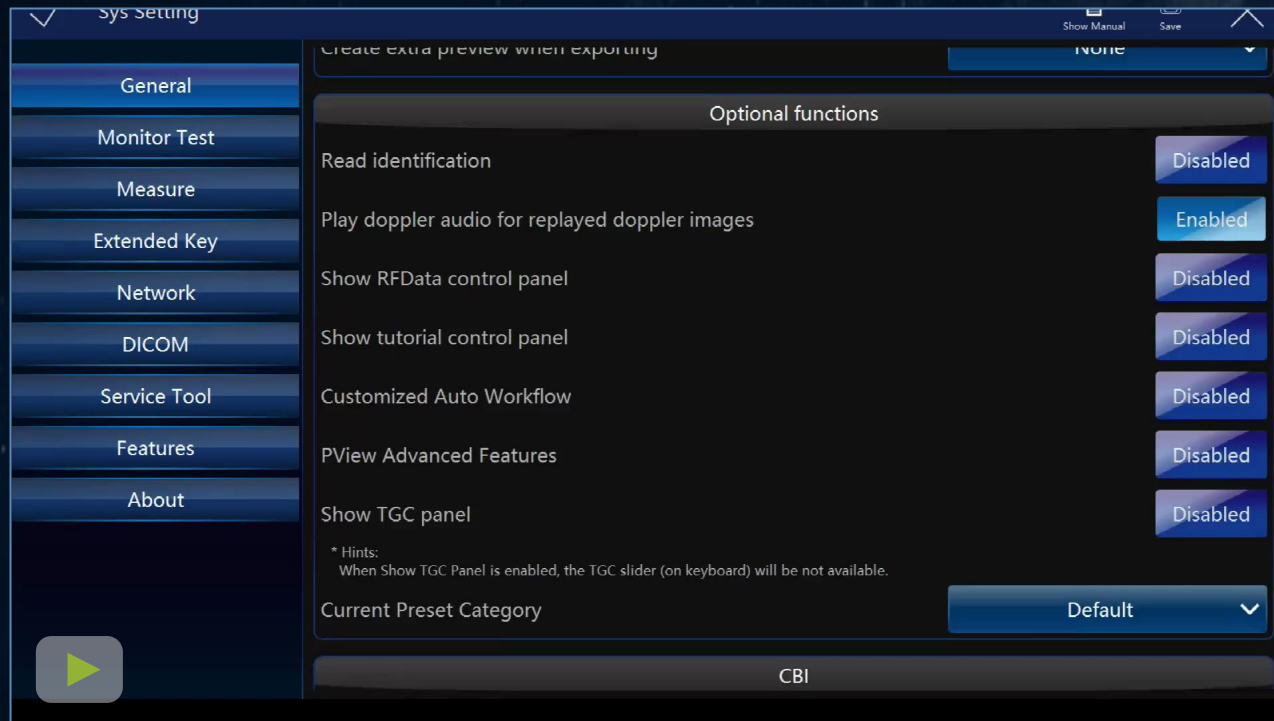


Quick Probe Switch

• Agile Workflow •

Smart Scanning Protocols - VWork

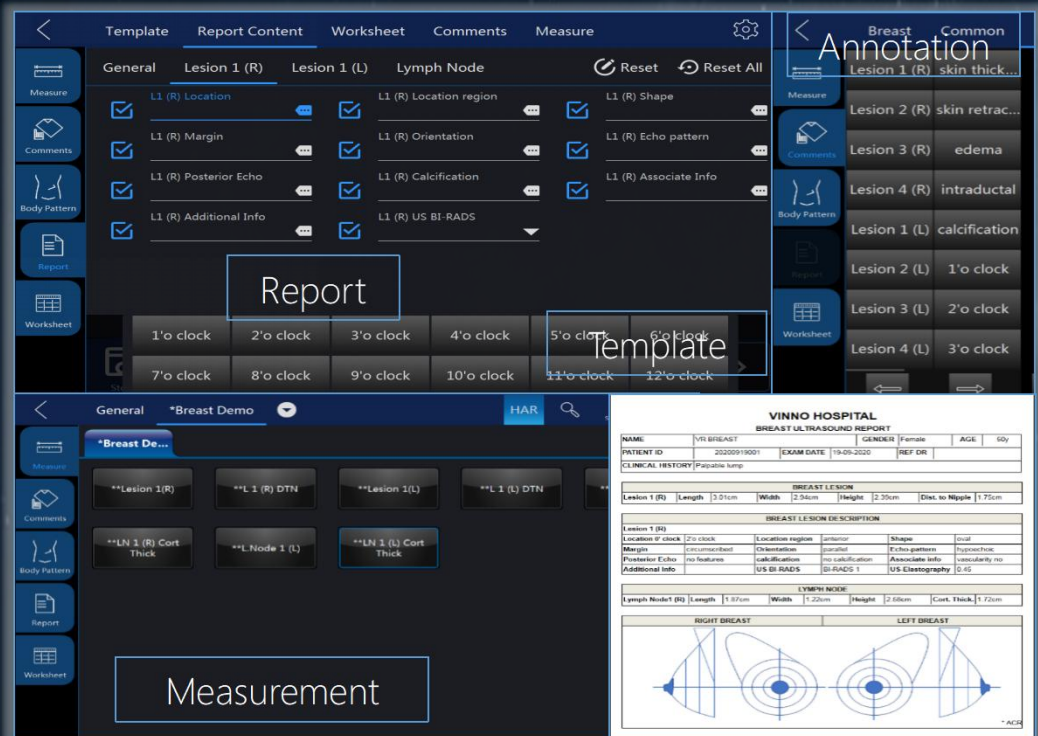
Standardize and simplify the workflow allowing you more focused on the patient care. Automatically add annotation, body mark and measurement, which reduces up to 50% exam time and 80% keystrokes.



• Agile Workflow •

User-centric Report - VReport

Allow users to design and import the report templates, add custom measurements, report contents and automatically generate annotation list.



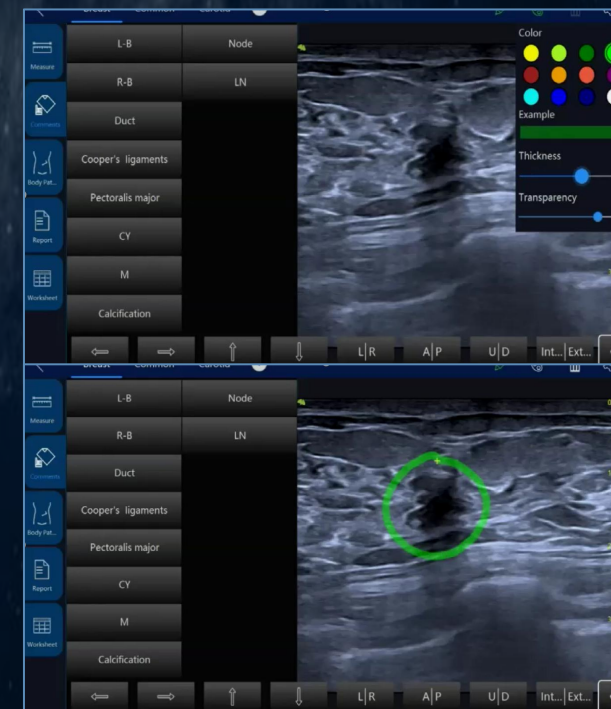
VReport enables customization on:

- Layout
- Measurement
- Annotation
- Description

• Agile Workflow •

Finger Drawing Annotation

Draw annotation on the image with your finger, as easy as drawing on the tablet. Customize with mark color, line thickness and transparency adjustment, practical tool for remote diagnosis and online training.



• Agile Workflow •

Wireless Image/Cineloop Transfer – Easy Sharing

Sharing ultrasound images is easier than ever! Prenatal Ultrasound images are shared to your personal devices. Either static picture or video clip can be share via Bluetooth or email. Images can be archived in hospital PACS through wired or WiFi connection.



• Agile Workflow •

Intelligent Scanning Tutorials – Experts Around You

Dedicated build-in educational tool, with up to 68 anatomical parts, providing users with vivid guidance on “how & what” for ultrasound scanning. 3D vivid scanning animation and real-time scanning plane, supplemented by basic clinical knowledge. VINNO’s tutorial provides an extensive MSK applications, is one of the most comprehensive tutorials in the industry greatly increase your confidence in the initial learning process.





Ergonomic Design

With unique mechanical design, R500 provides an excellent user experience, assisting practitioners to increase patient throughput without sacrificing comfort or performance.

• Ergonomic Design •



Comprehensive Remote Solution

Flyinsono is the pioneer of Remote Ultrasound Imaging Solution. Endorsed by Cloud technology, Flyinsono can realize Remote Consultation, Remote Reviewed Diagnosis, Remote Quality Control, Online Training, Remote Service, Academic Seminars and etc. Flyinsono breaks down geographical, traffic and personnel barriers, and provides real-time or time-sharing services to remote medical facilities.

• Comprehensive Remote Solution •

Remote Ultrasound Imaging Solution – Flyinsono

1 Solution

Remote Ultrasound
Imaging solution

2 Platforms

Public cloud
+ Private cloud

3 Versions

Windows + Android
+ iOS

6 Functions

Real-time Consultation
Time-sharing Diagnosis
Intelligent Diagnosis
Online Training
Remote Quality Control
Remote Service

Absolute Compatibility
Compatible with all brands of ultrasound systems

• Comprehensive Remote Solution •

Flyinsono's all-around remote package provides solutions for



- improving diagnostic skills for sonographers
- expanding influences for experts
- improving patient care with expertise
- maximizing service efficiency with minimum cost

