TRIVITRON
HEALTHCARE
speaking your language

SonoRad V10

An All-Rounder Color Doppler for your Diagnostic Needs!

Manufactured at
AMTZ
सिद्धिर्भवति कर्मजा
www.amtz.in
MAKE IN INDIA

Introducing

SonoRad V10

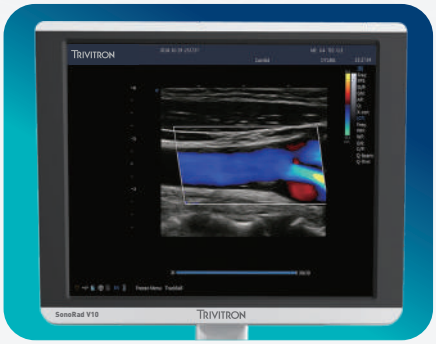
Excellent Ergonomics

Streamlined Workflow

Display Duo

Dual Screen Display for Enhanced Clinical Value

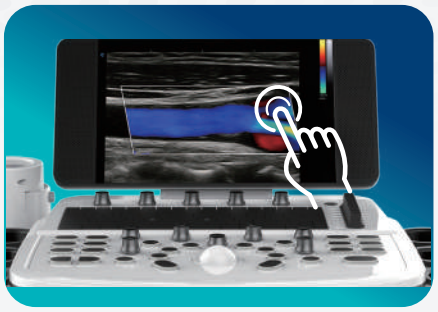
Monitor



19" HD LED monitor

- 90% image area
- Full Screen function delivers large size images

10.1 inch HD touch panel



- Super responsive Touch Panel
- Ergonomic tilting ensures all dimensional, multi-angle visualization
- Customized layout with one-touch operations for ease of use.

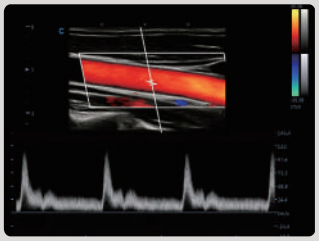
Touch Panel

Simplified User Experience

Intelligent Focus

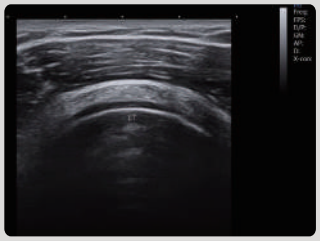
- Detect the focus position automatically according to the depth
- Focus on the interesting area to improve the quality

Intelligent Doppler (Optional)



- Adjust the ROI direction automatically and PFR in color mode and doppler gate in PW mode
- Time saving, efficient and easy for the Sonographer

Raw Data



- Freedom to perform image adjustments
- Faster scanning time

Streamlined Workflow

Superior User Experience

- Dual Screen Image Display
- Intuitive Control Panel & Touch Panel Layout
- 8 TGC Slides for better image settings & adjustment
- Customizable Report & Efficient Patient Data Management

Easy Data Transfer

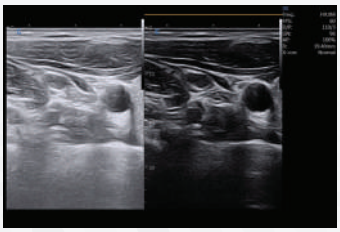
- Large Capacity for Cine Loop, Patient Information & Image Storage
- Multi Image & Video Save Format
- DICOM 3.0
- 6 USB Ports

Image Processing Tools

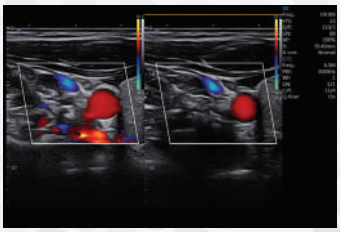
- Speckle Reduction Imaging
- Multiple Compound Imaging
- Tissue Harmonic Imaging
- Beam Steering

Image Optimization

- One Touch Image Optimization
- One Touch Flow Optimization
- One Touch Spectrum Optimization
- One Touch Contrast Adjustment



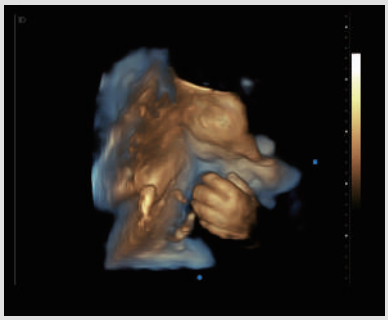
Auto Optimization B-Mode



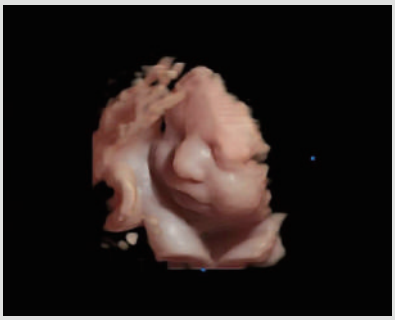
Auto Optimization Color Mode

SonoRad V10 for OB/GYN

4D



Depth View



Virtual HD

Lightweight and Compact Volume probe allows for smooth display of Fetal movements. Highly visible volume data can be obtained easily with the probe. Four dimensional imaging can play a role as a prenatal communication tool connecting mother with her fetus.

SonoAI - OB

Intelligent software for OB offers High efficiency and precise measurement tools with One step to obtain the results.
Auto measurements:
BPD, HC, AC, FL, NT.

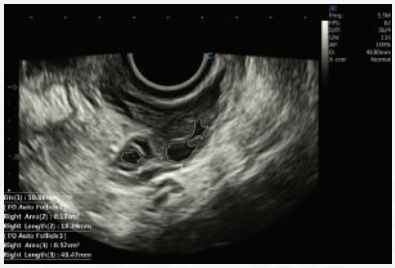
Wide Angle TV Probe

The TV probe with 210° FOV supports precision and safety for biopsy procedures and focuses on improving patient comfort and offers exceptional image quality throughout the wide sector angle.

High Resolution B-Mode

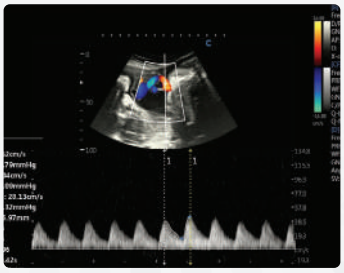
High resolution B-Mode images are essential in an OB fetal ultrasound scan to define pregnancy, observe fetal growth and to exclude anomalies.

Auto Follicular Measurement



Auto follicular Volume Measurement provides quicker analysis of follicular number and size than conventional 2D ultrasound, without any loss in measurement validity. A time saving tool in an extremely tedious procedure of measuring total follicular volume.

Auto OB Doppler Measurement



Obstetric Doppler measurements with one touch Angle correction and One touch spectrum correction/inversion improves the workflow for the clinicians and reduces the extra burden of additional adjustments

Tissue Harmonic Imaging

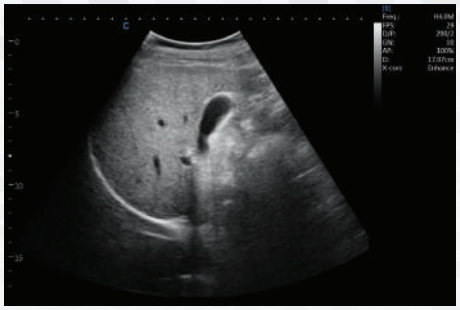
Offers significant improvements in image resolution and structure visualization in obese patients during the 2nd trimister of pregnancy. THI improves signal-to-noise ratio with reduced artifacts

More Clinical Value for Obstetrics & Gynaecology

- Auto angle correction
- Real Time Doppler Auto trace
- Color flow peak velocity capture
- Tissue Harmonics
- CDFI, Power & Directional Power Flow, PW, HPRF

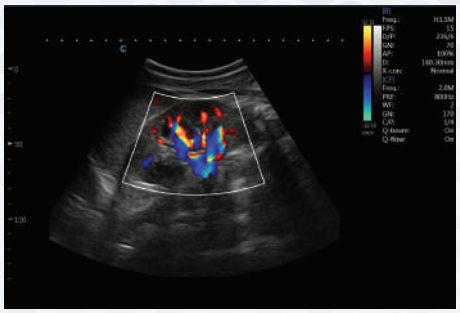
SonoRad V10 for Radiology

High Resolution B-Mode



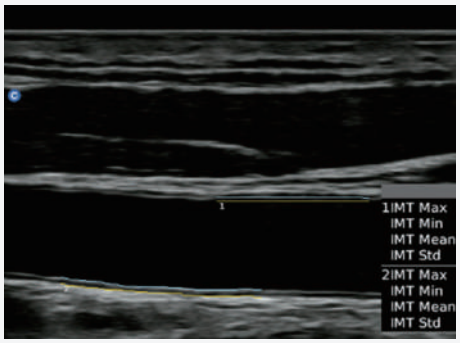
High Resolution B mode image can be obtained with reduced speckle noise with evenly clear edges by selectively emphasizing boundaries

Color Flow



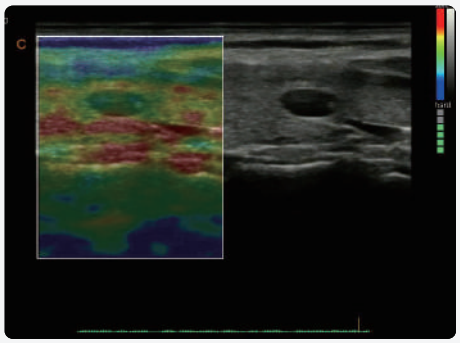
Color Flow is essential for conclusive diagnosis as it provides the path of the blood flow for better visualization of any abnormalities in the particular organ

Auto IMT



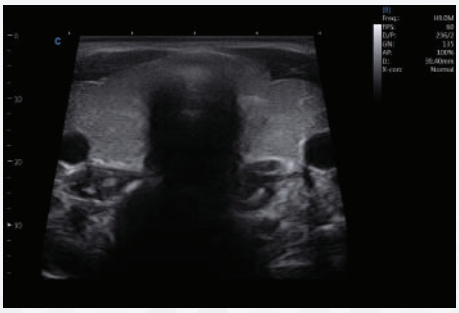
Automatically traces the intima, and measures the thickness of the intima. This allows you to measure the intima faster with more accuracy. By setting an ROI vessel's longitudinal image, max and mean IMT can be computed automatically. This is favourable in determining the extent of plaque build-up in walls of arteries

Quantitative Elastography



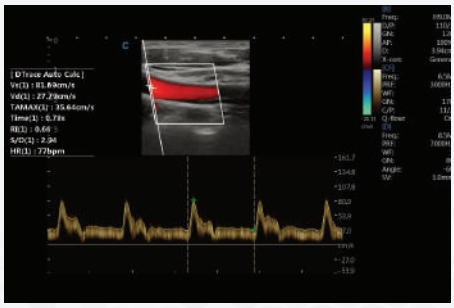
Displays the elasticity of different tissues in different color. Provides more clinical information especially for breast tumor, thyroid, liver and prostate. Strain ratio measurement quantitatively gives the ratio between the average strain of the selected region and the nearby normal tissue region. Available on various probes

Trapezoidal Imaging



Trapezoidal Imaging offers an extended field of view permitting greater understanding of the orientation and size of the target and its surroundings. This is really advantageous in case of examination of appendix/bowel in abdomen study or examination of thyroid in study of small parts

Quadplex Mode



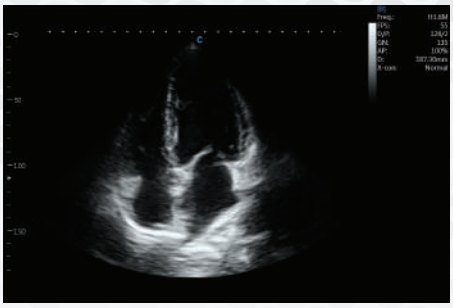
Quadplex Mode: delivers live measurements of Doppler parameters in Triplex Mode. Online estimation without freezing makes workflow faster and helps in clinical decision while exam is on.

More Clinical Value for Radiology

- Auto angle correction
- Real Time Doppler Auto trace
- Color flow peak velocity capture
- Color Doppler flow imaging
- Power & Directional Power Flow, PW, HPRF

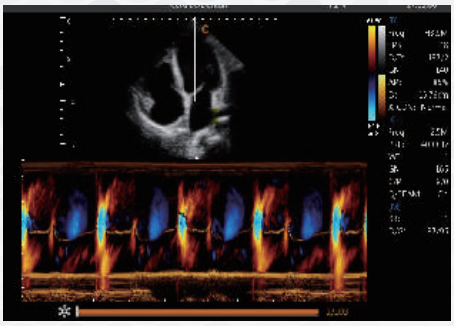
SonoRad V10 for Cardiology

High Resolution B-Mode



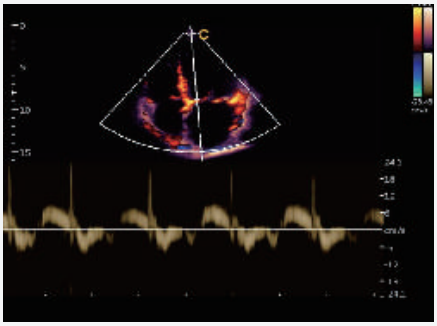
High resolution B mode image provides clarity in imaging that contributes to reduced examination time and improved workflow. Improved contrast, along with reduction in speckle and acoustic noise improve the diagnostic value of echocardiography images.

Color M-Mode



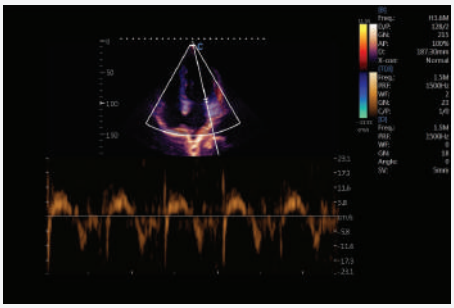
Color M-Mode helps to evaluate the myocardium and blood flow to provide a robust analysis of the cardiac rhythm for the evaluation of cardiovascular risk at an early stage. This helps in the assessment of LV Function or fetal arrhythmias.

Tissue Doppler Imaging



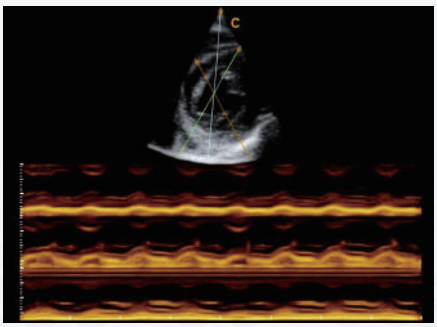
Tissue Doppler Imaging allows truly quantitative measurement of regional myocardial function. It helps in diagnosis of diastolic left ventricular dysfunction, Right ventricular function, intracardiac and pulmonary artery pressures, transplant rejection and intraventricular dyssynchrony.

Tissue Doppler Velocity



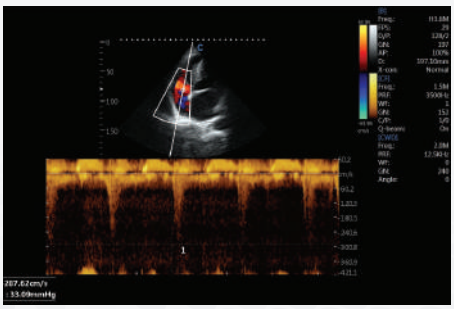
This technique helps in evaluating the time motion display of the functional cardiac structures. This is done to analyse the presence of deformation and or to analyse the myocardial velocity in order to evaluate the functioning of heart.

Free Steering M-Mode



High resolution analysis of myocardial functions of a fetal heart using 3 different axes is possible. The cursor can be placed optimally to examine the heart function accurately irrespective of the direction. In a single heart beat cardiac wall motion in multiple areas and valves can be compared.

Continuous Wave Doppler



CW Doppler study allows high velocity blood flows to be observed and measured accurately. The high sensitivity continuous wave Doppler with waveform smoothing provides a continuity of display.

Available with
ECG Module | Continous Wave Doppler Cardiac Software Package

More Clinical Value for Cardiology

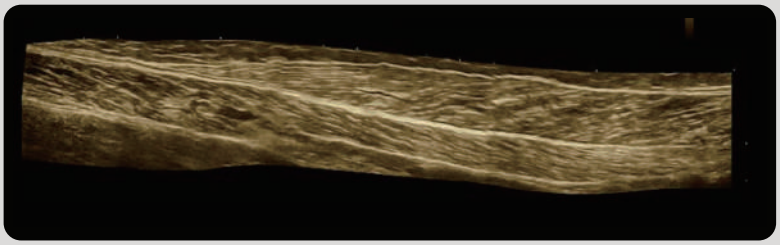
CDFI, Power & Directional Power Flow, PW, HPRF

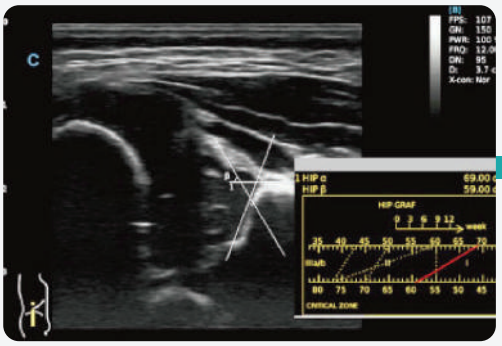
- Duplex, Triplex, Quadplex modes available
- Real Time Doppler Auto trace
- Color Doppler Flow Imaging

Superior Clinical Value

Real Time Panoramic

Panoramic Imaging can be used to examine larger organs and vessels and big structures, by stitching the images together, which are otherwise not covered by the probe completely. This is advantageous in finding abnormalities in thyroid, to examine muscle atrophies, diagnose fluid collection in joints, or to diagnose and confirm larger cysts etc.





Smart HIP

- Graph Display for hip orthotics diagnosis helps clinicians to provide accurate diagnosis during the paediatric hip scanning.
- Different angles indicate various levels of hip deformity which is easier and more obvious to view with the aid of the graph. (I, II, D, IIIa, IIIb).

HD CZoom

- Zoom the color information with high resolution.
- Important for the small vessel blood information detection, especially for the fetal heart diagnosis.

Virtual Convex

- Enlarge the scanning area in convex probe as same as convex trapezoid
- Better for large organs display, especially liver, kidney through the rib space

Wide Range of Probes

2.0 MHz-6.8 MHz
Convex D3C60L

7.0 MHz-18.0 MHz
(With FHI) Linear D12L40L

4.0 MHz-15.0 MHz
Linear D7L40L

2.0 MHz-6.8 MHz
Volume V4C40L

4.0 MHz-15.0 MHz
Transvaginal D7C10L

4.0 MHz-12.0 MHz
Transvaginal D6C12L

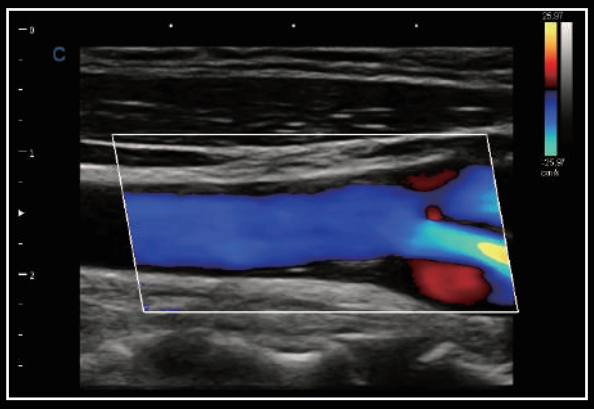
1.5 MHz-5.3 MHz
Phased array D3P64L

2.0 MHz-8.0 MHz
Phased array D5P64L

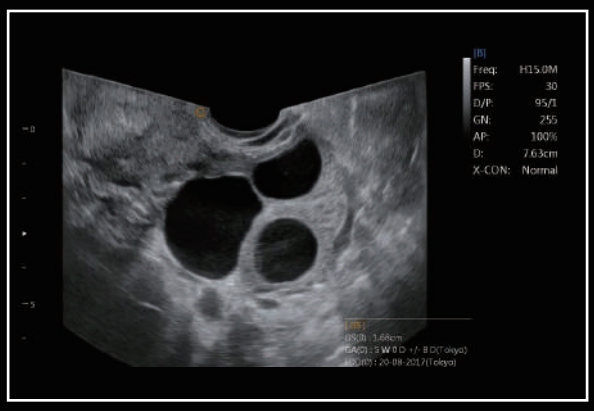
2.0 MHz-6.8 MHz
Micro-Convex D3C20L

4.0 MHz-12.0 MHz
Micro-Convex D6C15L

Extraordinary Clinical Value

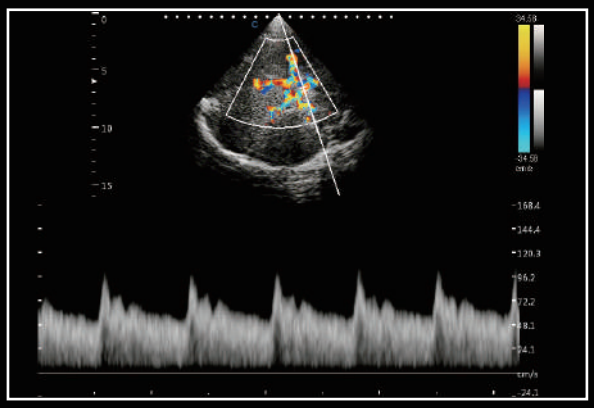


Carotid Plaque, C Mode

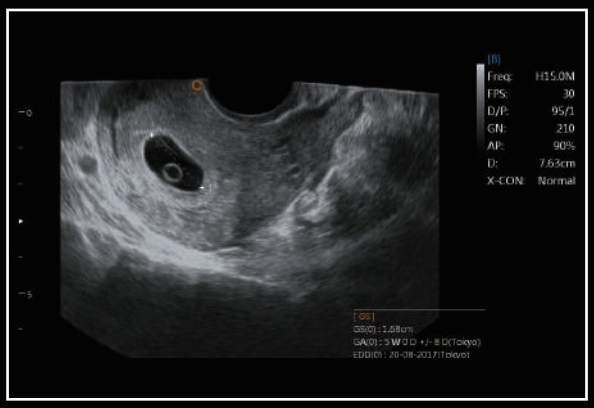


Follicles, B Mode

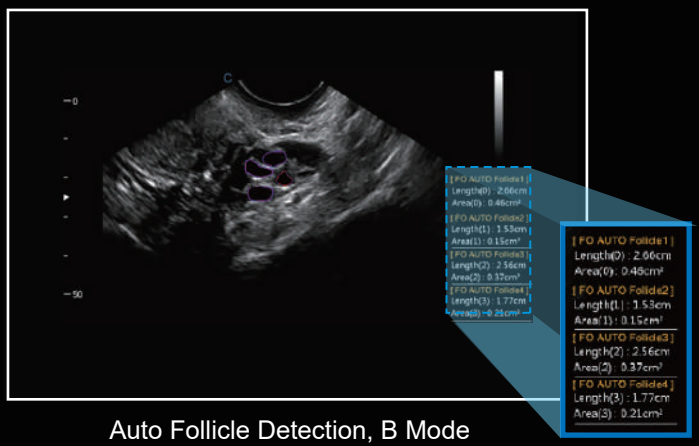
Fetal Face, Virtual HD



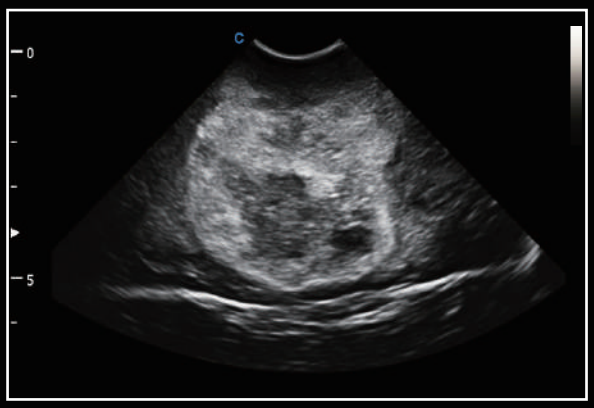
Transcranial, PW Mode



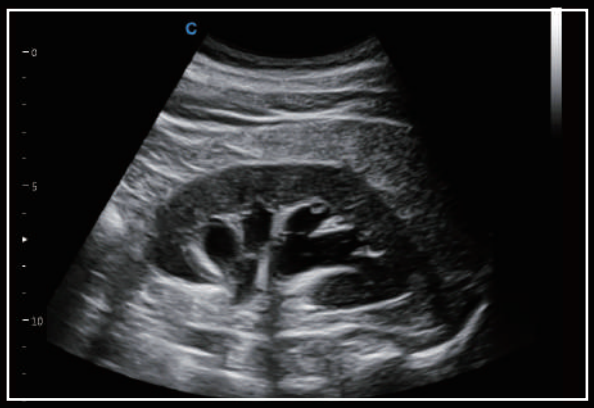
Pregnant Bursa, B Mode



Auto Follicle Detection, B Mode



Paediatric Cerebral Tumor, B Mode



Hydronephrosis, B Mode

On A **Global Mission** With A **Local Heart**

...Speaking your language in 180 countries

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