



# Intelligent Future Attainable

## P60 Exp

Color Doppler Diagnostic Ultrasound System

**SonoScape**

# Commitment to Life-long Healthcare for Women

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**Expert Clinical Tools**

Confidence in Diagnosis



**Exquisite Image Quality**

Abundance in Detail



**Easy yet Clever Workflow**

Smoothness in Operation



Expert Clinical Tools

# Confidence in Diagnosis

Family Planning / Healthy Pregnancy of Biometry / Healthy Pregnancy of Visualization / Pelvic and Women Health / Health Birth

**SonoScape**



# Family Planning

AVC-Follicle / 4D HyCoSy with SPI /  
S-Endometrium / S-Follicle / Specialized  
Transvaginal Transducers

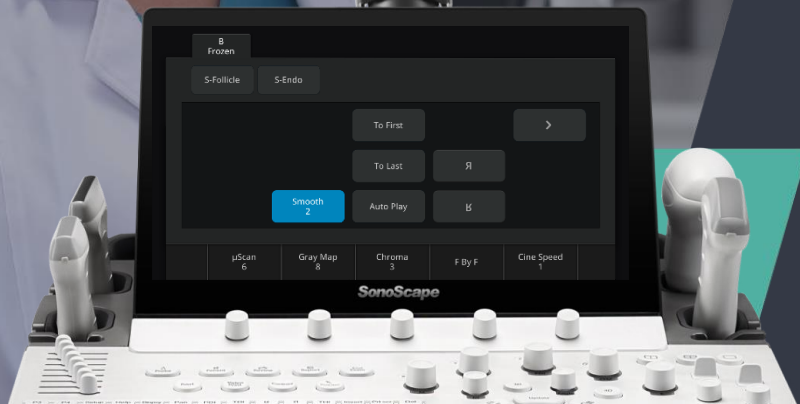




# S-Endometrium

Auto endometrium thickness measurement

- Automatic recognition and calculation with one-key operation
- Extremely fast ( within 1 second)
- Full menstrual cycle available



Lt-Fol4-D1: 8.82 mm

Lt-Fol4-D2: 7.42 mm

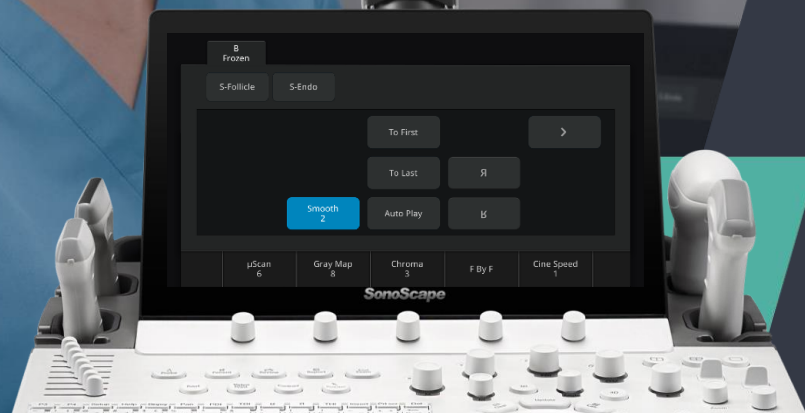
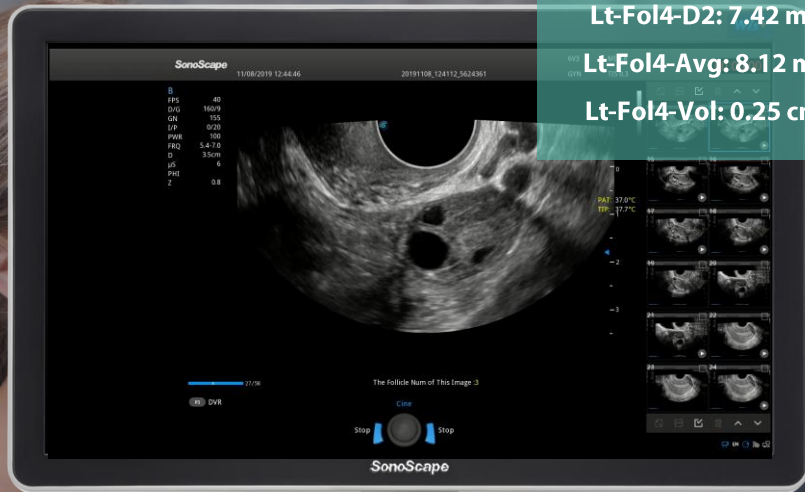
Lt-Fol4-Avg: 8.12 mm

Lt-Fol4-Vol: 0.25 cm<sup>3</sup>

## S-Follicle

Auto follicle Size Measurement

- AI-based automatic follicles detection in 2D image
- Accurate follicle size assessment
- Efficient for the IVF procedure

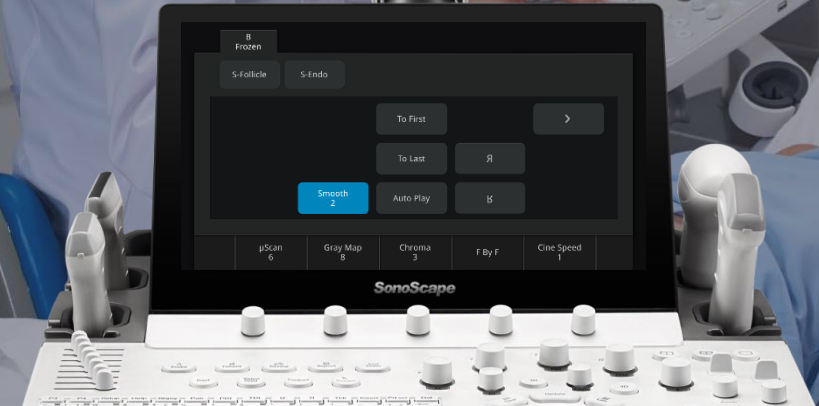


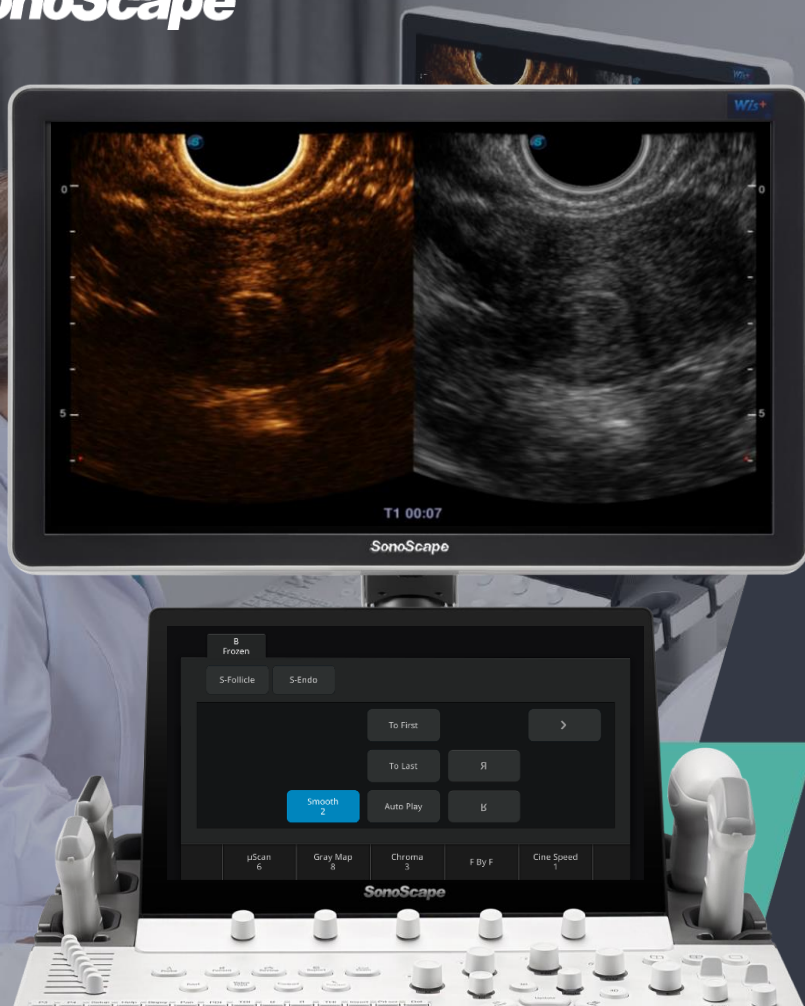


# AVC-Follicle

- Automatically identify and measure multiple ovarian follicles from 3D volume images
- 
- Follicles are automatically sorted by sizes with color code

Speed up follicular assessments report with designed color graphic





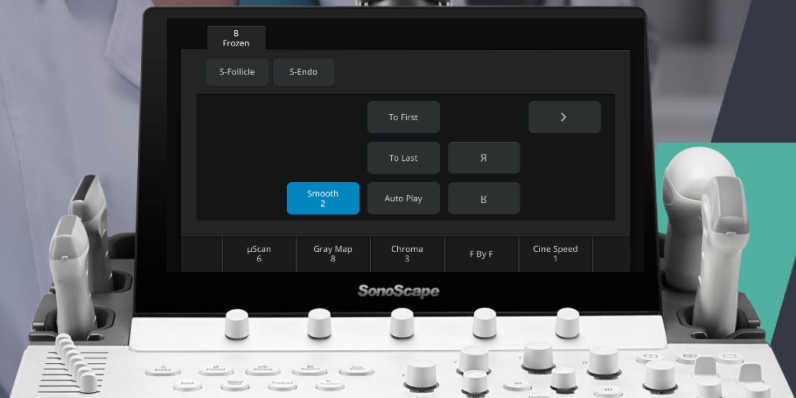
## GYN CEUS

- Makes full use of the fundamental signal and second harmonic signal to improve the image resolution, penetration and contrast agent sensitivity
- Dynamic Acoustic Pressure Control technology helps to guaranty longer contrast agent duration and better lesion perfusion



## 3D/4D HyCoSy with Spatial-temporal Perfusion Imaging

- Intuitively displays the morphology of uterus, fallopian tube and bilateral ovaries through color coding the arrival time of contrast agents
- Clinicians are provided with strong and confident evidence to investigate tubal patency for subfertile female

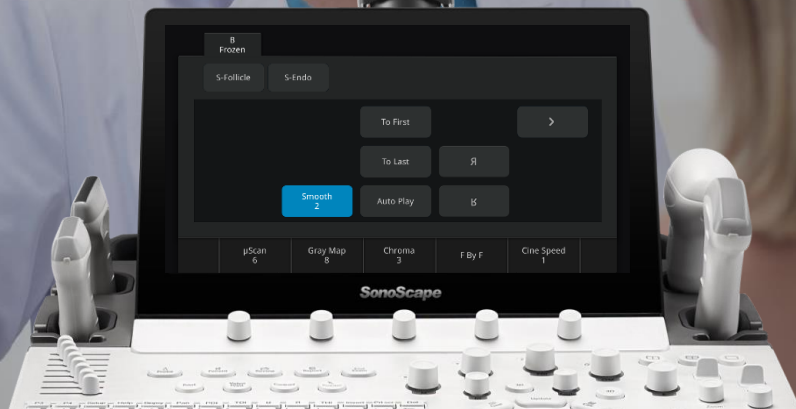
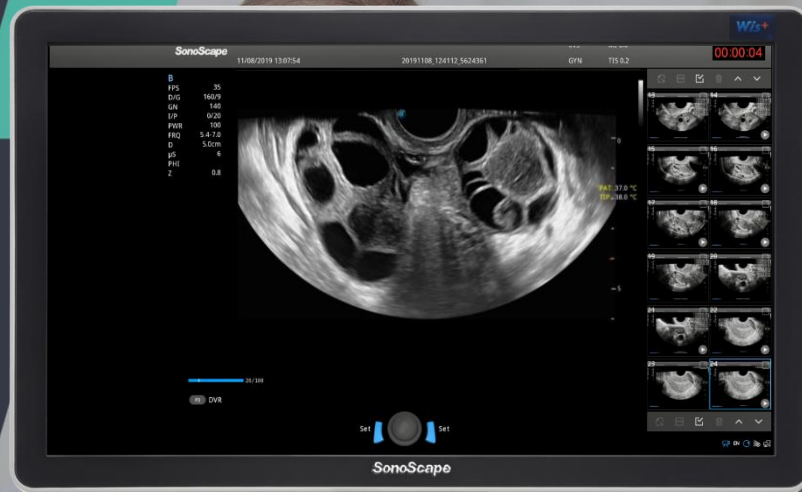




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# Specialized Transvaginal Transducers

- Angled end-fire design specially for IVF
- Extra-wide field of view with widescan technology
- Real-time temperature control technology
- Advanced technologies including Micro F, Compression elastography, CEUS, S-Endometrium, S-Follicle





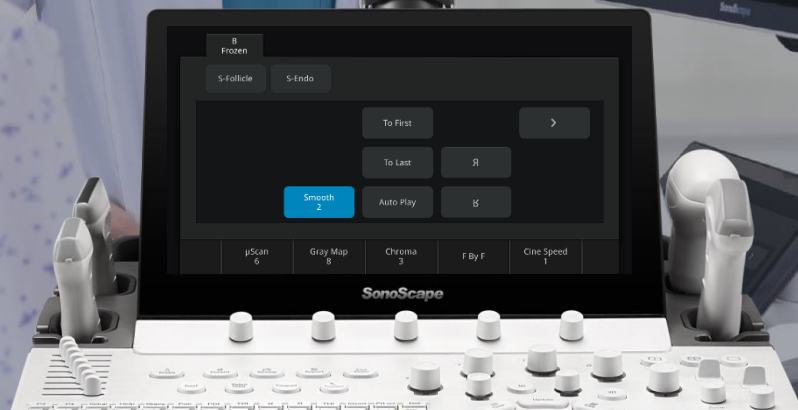
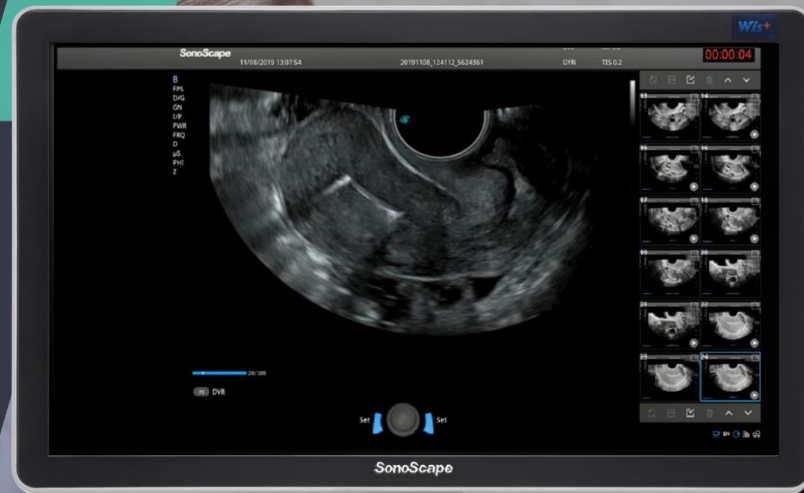


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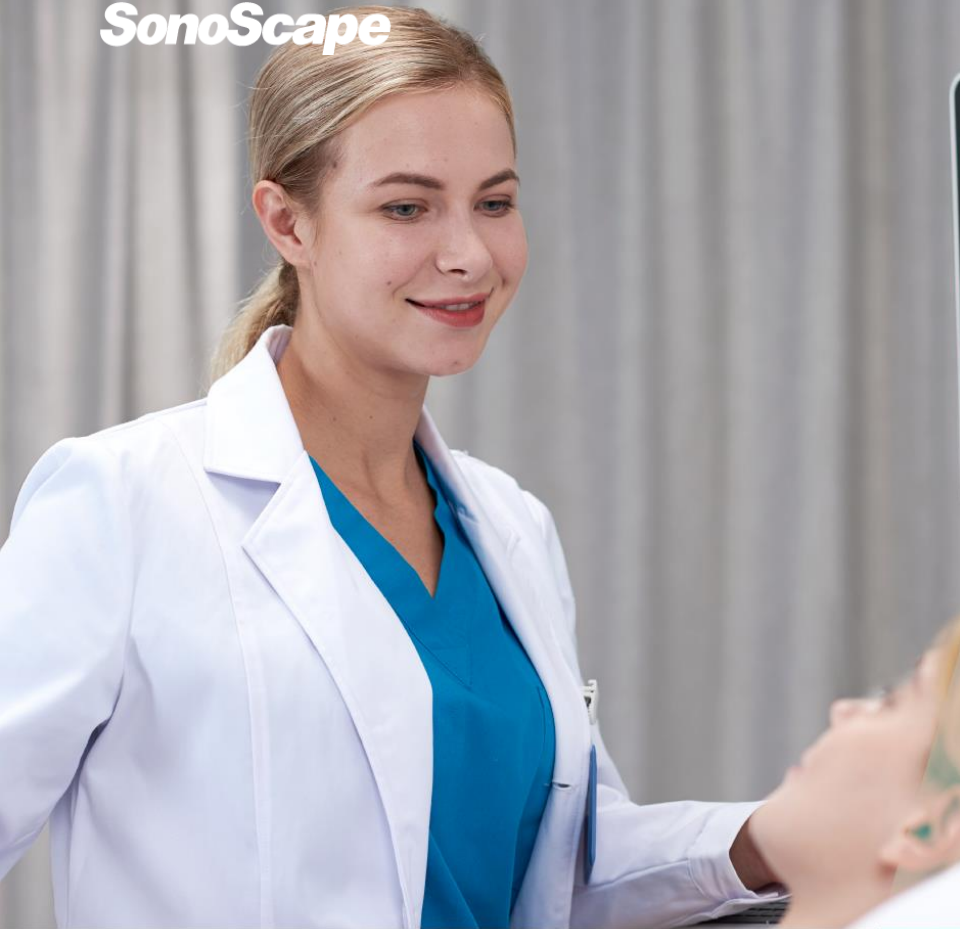
# Monitoring Probe of the Uterine Cavity Operation

- Specially-designed curved endocavity transducer for gynecological surgical procedure like embryo transfer and fetal reduction surgery, etc.
- Designed to be used in conjunction with vaginal dilator, easy to perform complex operation

Slender design greatly saves space for operation and minimize patient discomfort



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# Healthy Pregnancy of Biometry

Auto NT / Auto OB / S-Fetus (acquire)/  
S-Fetus (measure)



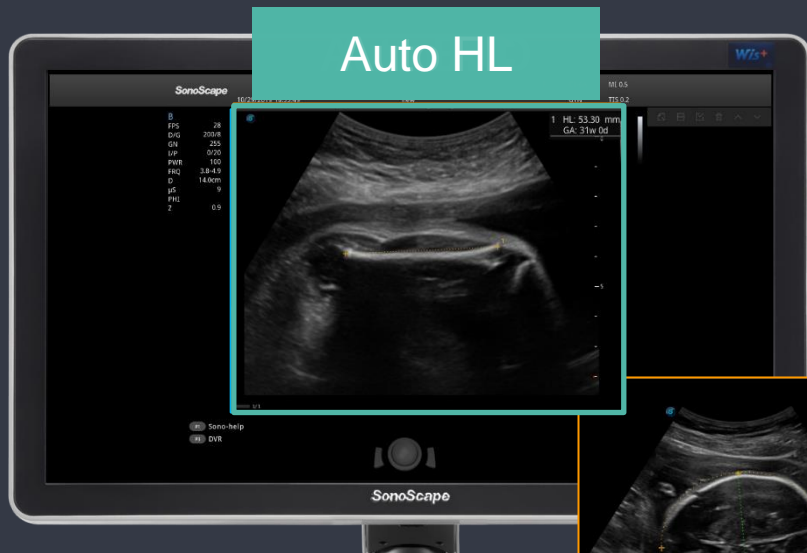
**SonoScape**



## Auto NT

- Automates the measurement of fetal nuchal translucency thickness in 2D image and reduces operator dependency on the results
- HD-Zoom and AI-based with big data promise the accuracy of calculation
- Reduction of measurement error rate

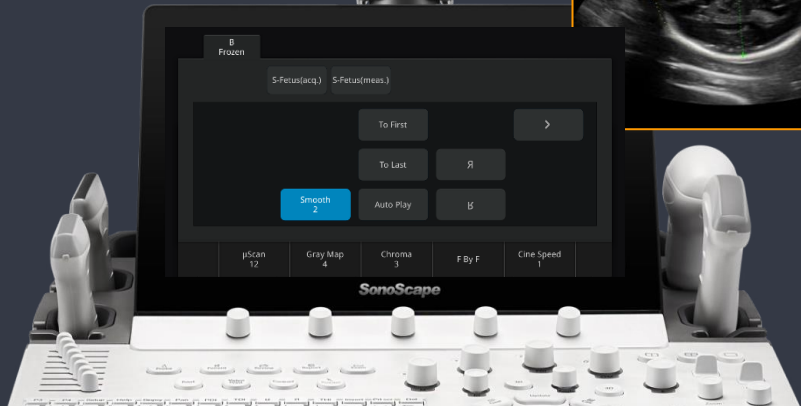
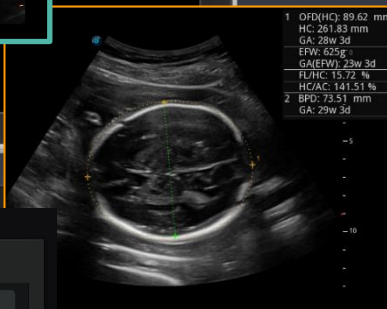
Auto HL



## Auto OB

### Automatic Fetal Biometry

- Deep learning based algorithm
- Available on BPD, AC, HC, FL, HL
- Fetal biometry more dependable with higher efficiency and productivity





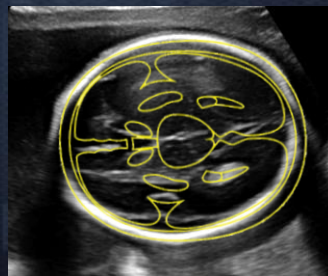
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# Ultrasound with Artificial Intelligence

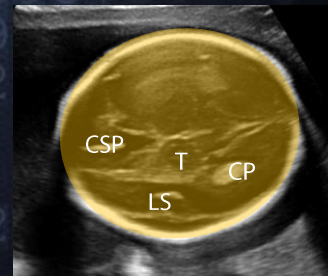
## Deep Learning



Big Data Input



Feature Extraction

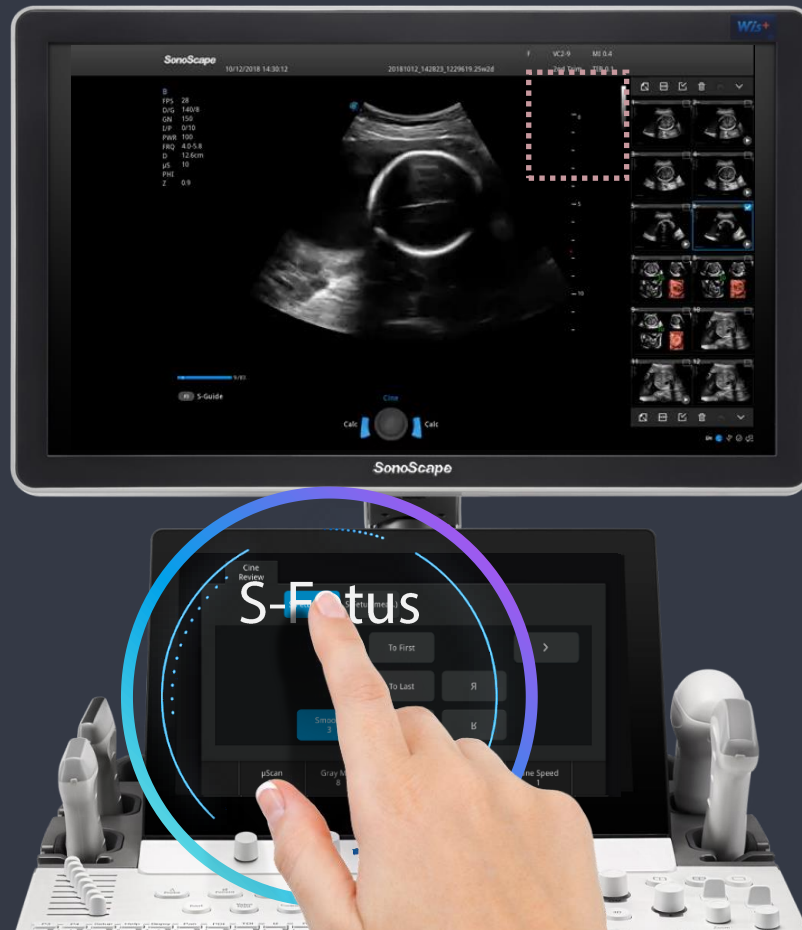


US Images Recognition

# S-Fetus

## Automates Obstetric Ultrasound Work-Flow

- Automatic standard plane acquisition (available on BPD/AC/HC/FL)
- Automatic biometry and reporting
- 10000+ cases verified 98% accuracy







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# S-Fetus

**80%** Fewer Keystroke

**90%** Less Time

**98%** Accuracy

BPD, HC Manual Measurement

20~40s  
at least 11 Keystrokes

S-Fetus

2s  
1 Keystroke



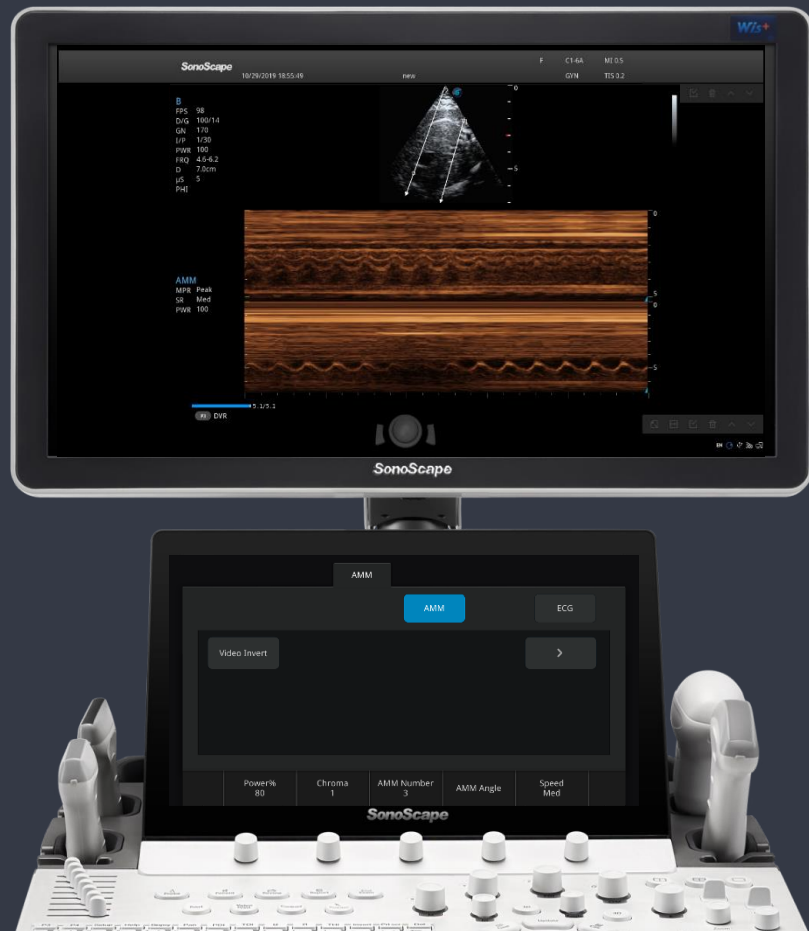
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# Healthy Pregnancy of Visualization

Anatomic M Mode / STIC / Micro F /  
Bright Flow/ Color 3D / Auto Face / S-  
Spine / S-Live / S-Live Silhouette / S-Live  
Contour / FreeVue / VCI



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## Anatomic M Mode

- M-Mode line can be set at any position and angle
- Up to 3 M-Mode lines displayed simultaneously

Easy to get better images for difficult position fetus



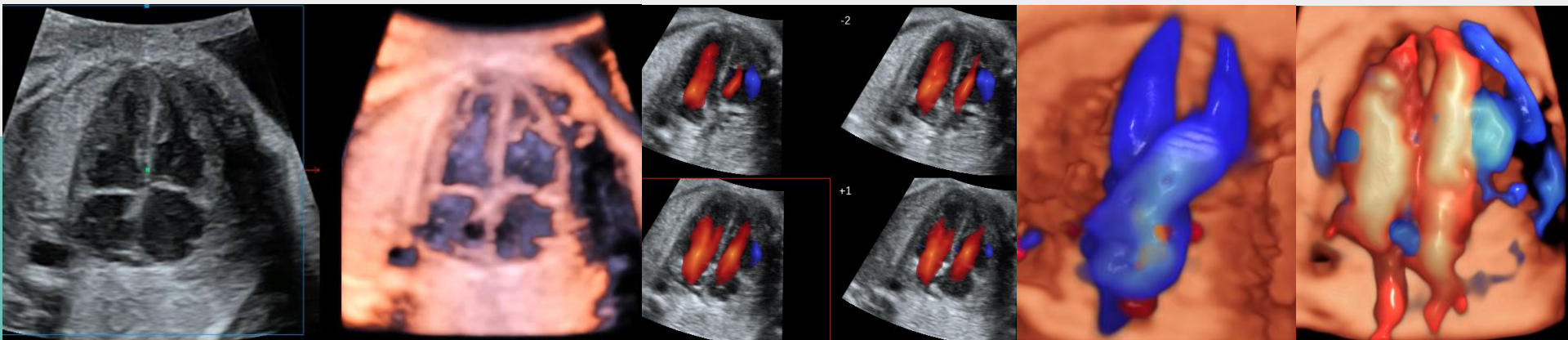
# STIC

## Spatio-temporal Image Correlation

Fast acquisition with high frame in 8-12s

Moving detection of fetal anatomy structures

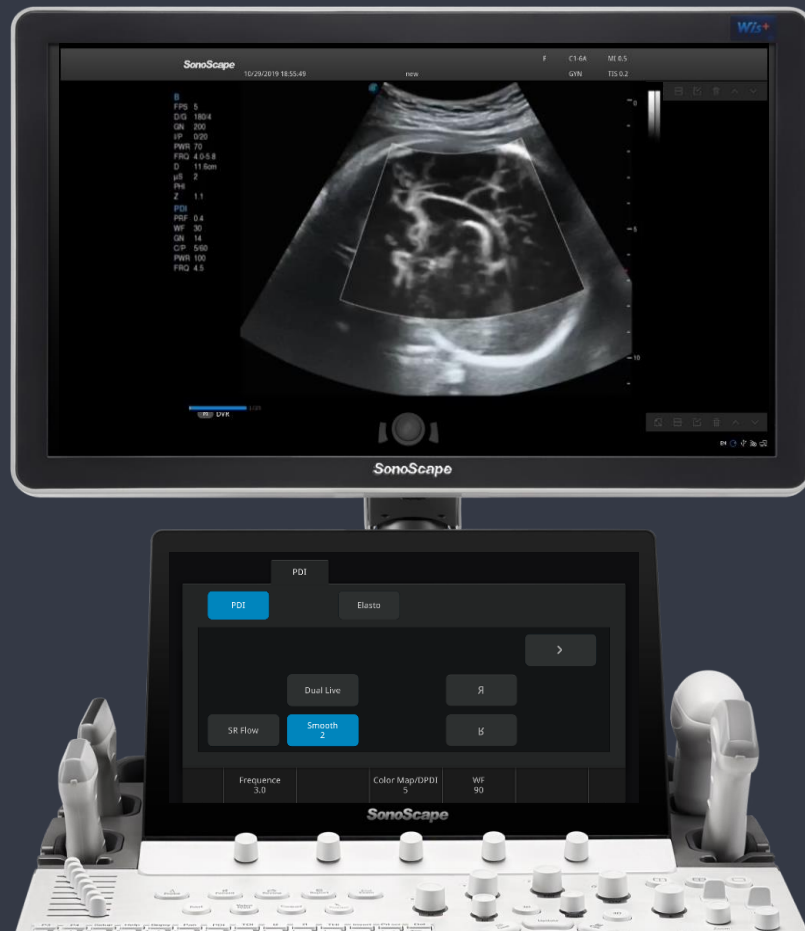
Helpful diagnostic tool for fetal congenital heart disease



# Micro F

## Enhanced Visualization for Micro-vascularized Structures

- Minute vessels visualization and slow flow detection
- Higher sensitivity, higher spatial resolution and minimal motion artifact
- More useful for fetal brain and fetal heart hemodynamics, placental insufficiency, etc



# Bright Flow

## Three-dimensional Visualization of Blood Flow

- Provides a volumic vascular image in CFM/PDI/SR Flow/Micro F Mode
- Intuitive and easy visualization of blood flow structures with less blood flow artifact and better boundary definition
- Helpful for boundary definition of tiny vessels and crossing vessels
- Available on Convex, Volume, Linear and Transvaginal probes

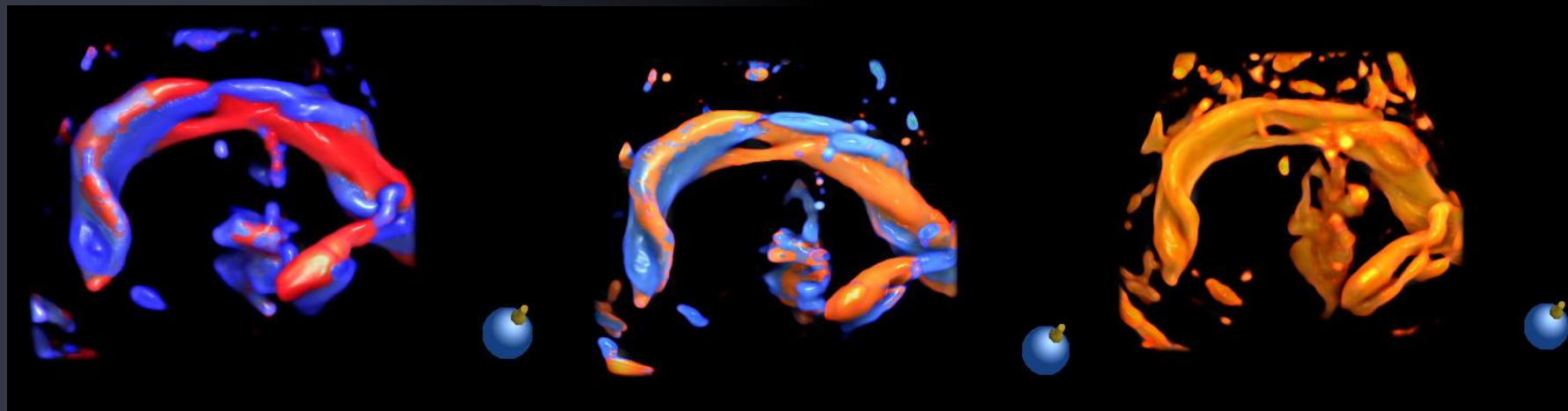






# Color 3D

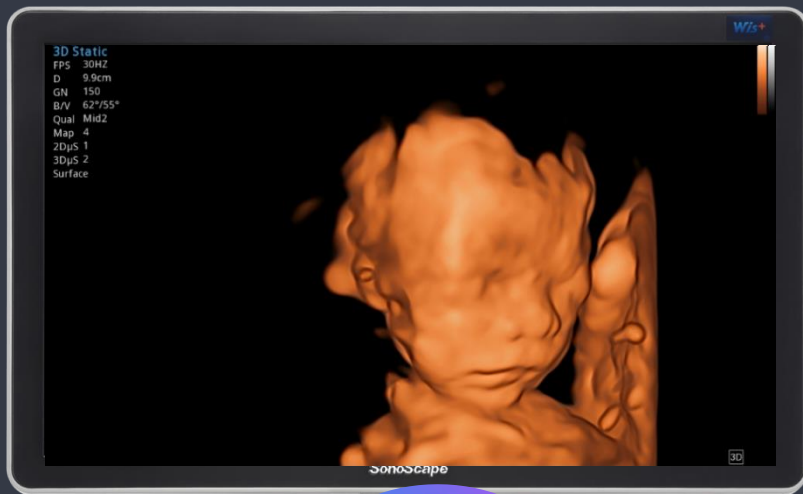
- More intuitive and more realistic blood flow imaging
- Better spatial resolution of vascular networks
- Simultaneously display the speed and direction of the flow through color change



CFM 3D

SR Flow 3D

PDI 3D



## Auto Face

### 3D Image Optimization with Simplicity

- One button for fast removal of face occlusions
- Intelligent 3D fetal face image optimization



## S-Spine

### Automatic Recognition and Imaging of Fetal Spine

- Intuitively presents optimized 3D view of fetal face with the capability of automatic detection of fetal head
- Obstruction removal to show the lifelike and clear fetal spine
- No necessity of editing VOI box and cutting line in 3D pre-activation



# 3D/4D Rendering

Improves the S-Live rendering mode by enhancing **virtual lighting effect (especially backlight)** and bringing a high-quality stereoscopic image of natural shadow and skin texture

Improves the S-Live Silhouette rendering mode to **see through the surface** and clearly **delineates the outlines of bones, organs, cavities, vessel walls and other internal structures**



Surface

Grad.Light

S-Live

S-Live

S-Live Contour

S-Live Silhouette



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# S-Live Pro

## Outstanding 3D/4D Visualization



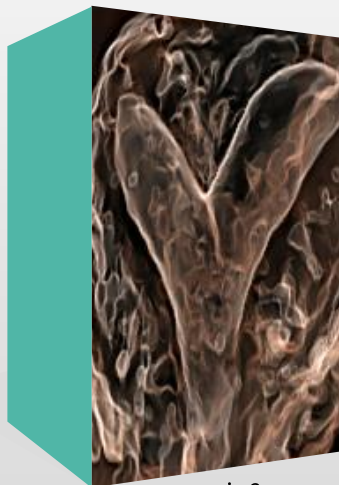


# S-Live Silhouette

## Outstanding 3D/4D Visualization

Apply **transparency** to rendered structure

More comprehensive **internal** and **external** view of anatomy



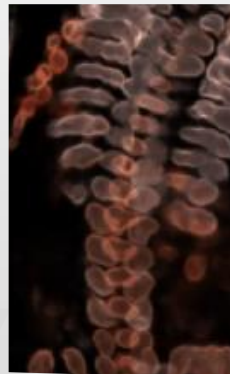
Uterine  
Malformation



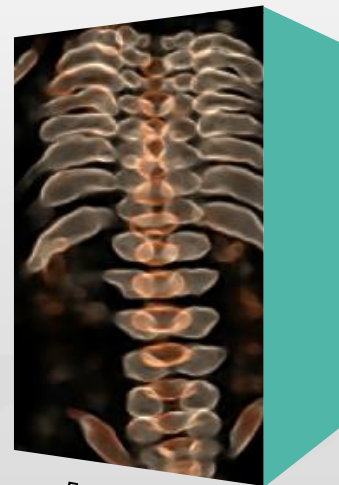
Gestational Sac



Early Pregnancy



Fetal Spine



Fetal Spine



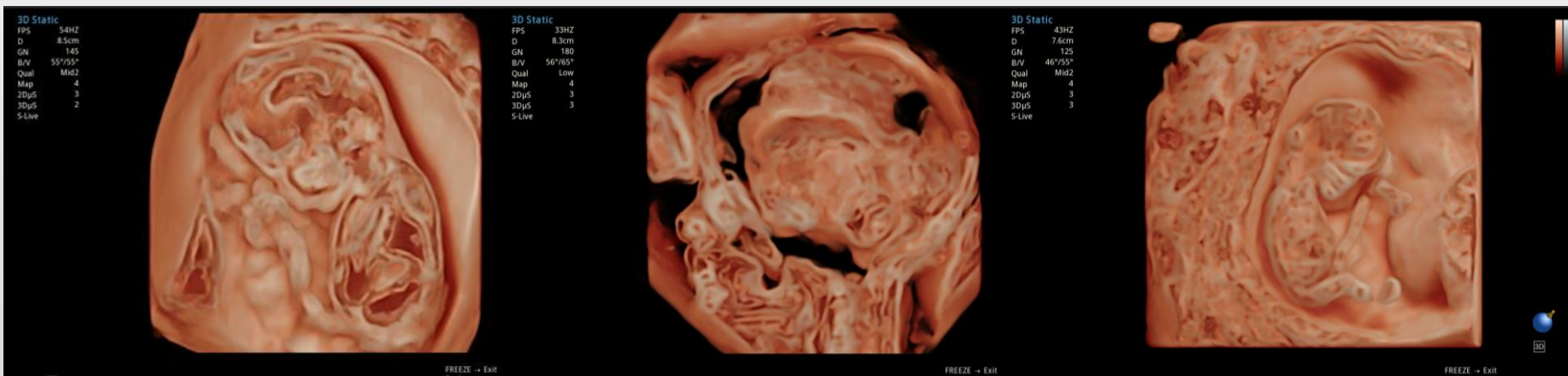


# S-Live Contour

## Outstanding 3D/4D Visualization

Advanced volume rendering technology that presents **context (face, spine, ventricle, long bone, etc.)** and **surface information** of 3D image

Visualizes **interior and exterior structure** and provide additional information for detailed anatomic evaluation to diagnose abnormalities





# Grad.Light

## Outstanding 3D/4D Visualization

Innovative new algorithm to provide a more vivid 3D/4D with **better depth information**

**Multiple depth color tint** for user's preference

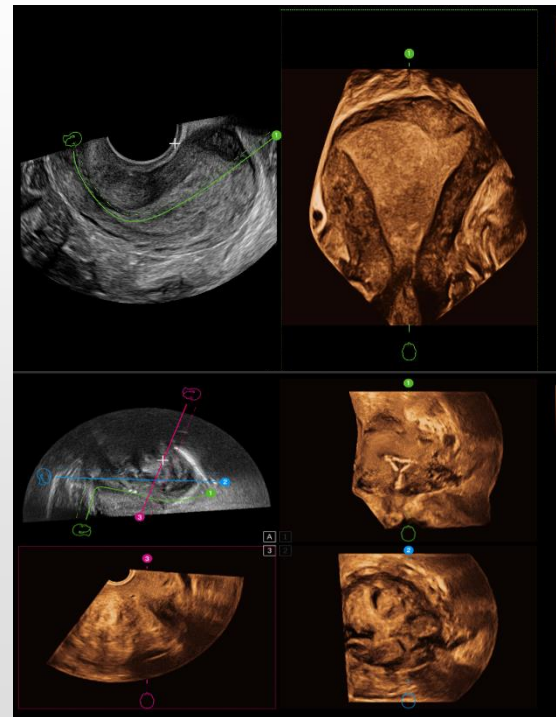




# FreeVue

## Elevated Capability Ready for More Challenges

- Acquires any plane from 3D/4D volume data by simply defining a line in any shape
- Makes it possible to view integral irregularly shaped structures not available in 2D imaging
- Line number: up to 3/ Line type: Straight line, Curved line, Trace, Poly line/ View type: Actual view and Project view

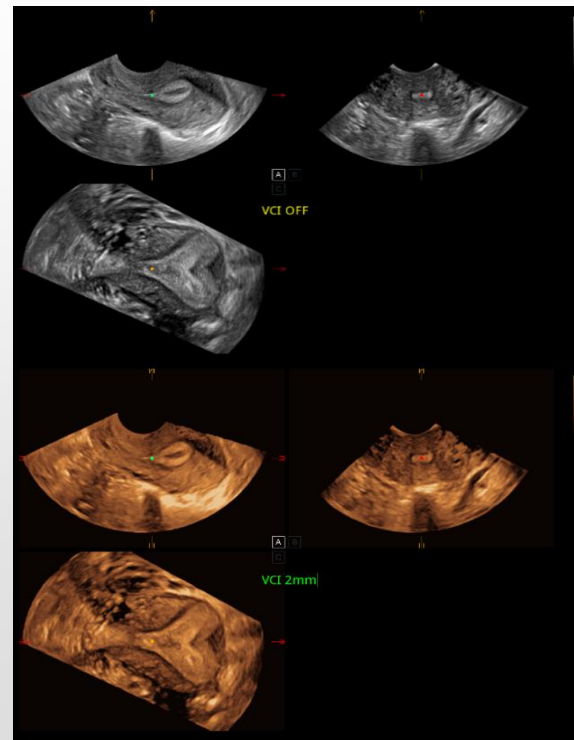




# Volume Contrast Imaging (VCI)

**Elevated Capability Ready for More Challenges**

- Volume Contrast Imaging enhances contrast resolution by applying a slice with a certain thickness and rendering techniques on 3D/4D images
- Can be applied under Edit (Magic Cut) /C-Plane Viewing/Multi-Slice Viewing /FreeVue Viewing





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# Pelvic and Women Health

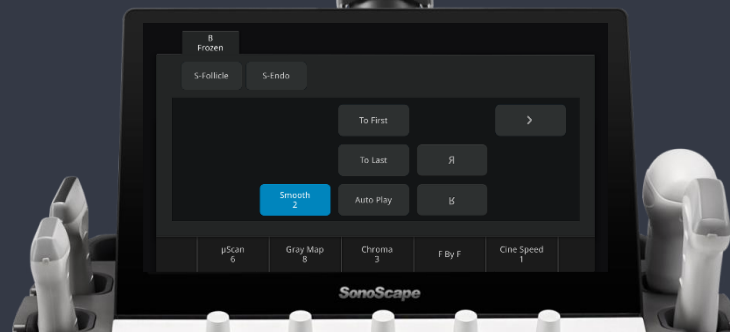
S-Pelvic (2D) / S-Pelvic (3D) / Strain Elastography

## S-Pelvic (2D)

### Auto Anterior Compartment Evaluation

- Full automation of pelvic floor anatomy recognition and measurement for auto anterior compartment evaluation
- Two reference line is selectable for anterior pelvic floor compartment measurement

Available on 6V3 and VE9-5 ( PF exam mode )





# S-Pelvic (3D)

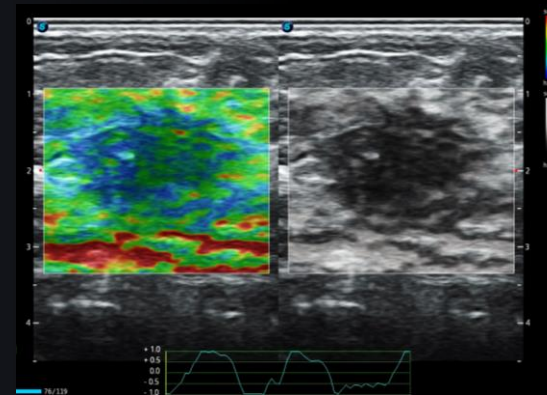
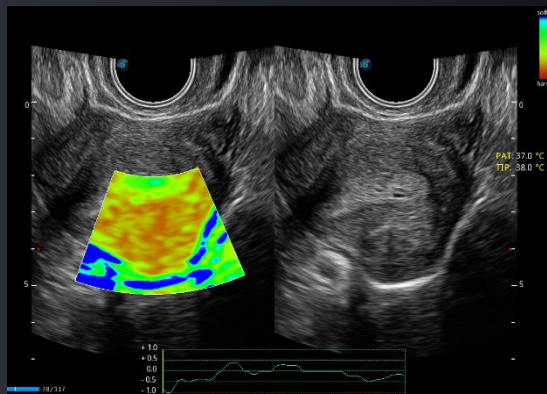
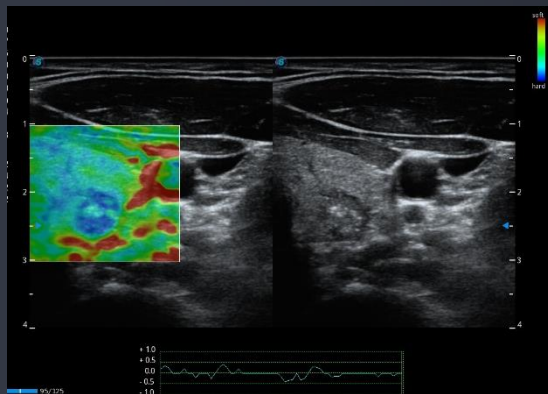
## Auto Levator Hiatus Evaluation

- AI-based automatic calculation with one click, faster and better result for the diagnosis of uterine prolapse and pelvic floor dysfunction
- Auto VOI adjustment for fast setting
- Supports Multi-slice viewing with VCI and FreeVue viewing with VCI



# Strain Elastography

- High Strain Sensitivity with good image stability
- Strain Curve analyzes the ROI strain and provides feedback for selection of the optimum frame with robust information on the tissue stiffness
- Applicable to the quantitative assessment of tissue characterization





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# Health Birth

Specialized Neonatal Probes: 9L-A ,  
C613, 7P-A , Mini TEE

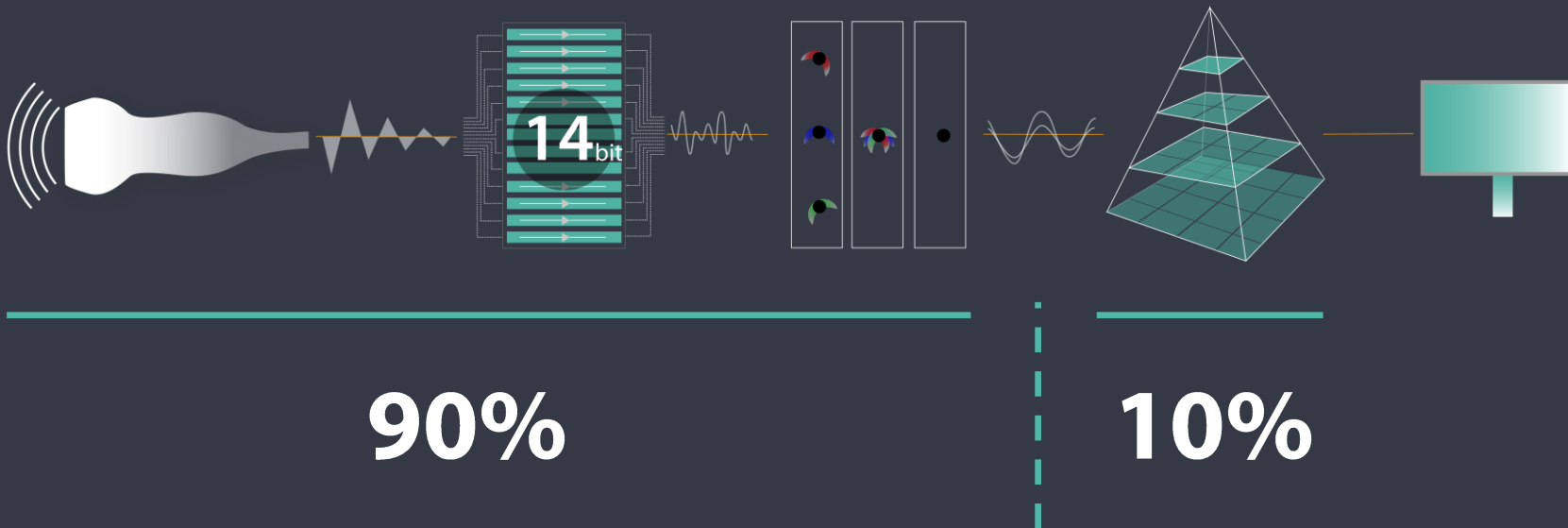
Application : Neonatal Brain, Neonatal  
Spinal Cord, Abdominal,  
Gastrointestinal Dysfunction, Neonatal  
Heart, Vascular  
HIP Measurement

... ..



Exquisite Image Quality  
**Abundance in Details**

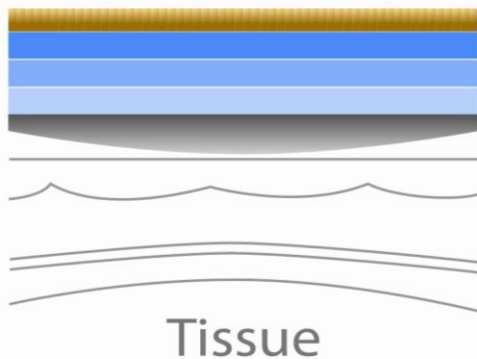
# More Focus on Frontend



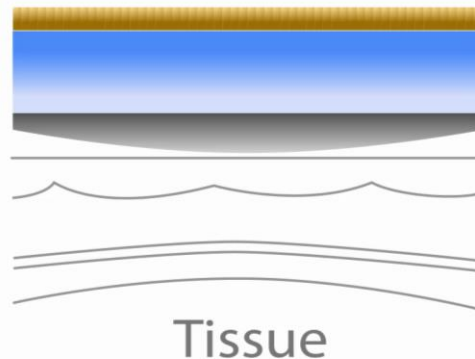
# Innovative Single Crystal Technology

Achieves New Levels of Clarity and Utility

Normal probe



C1-6A





# Innovative Single Crystal Technology

Achieves New Levels of  
Clarity and Utility

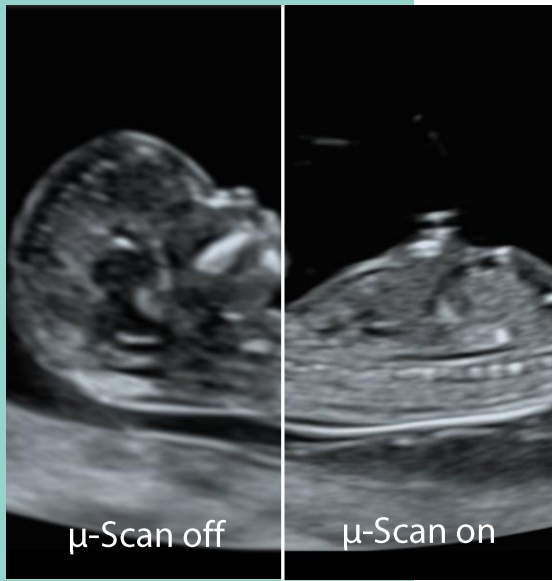
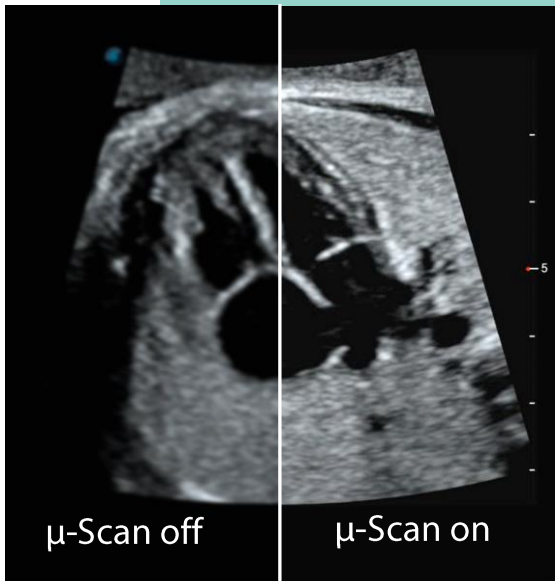
- Perfect uniformity of crystal alignment leading to a much higher efficiency in energy transmission
- Better penetration and higher S/N ratio especially during difficult-patient scanning
- Ultra-thin crystal slicing effectively reduces sidelobe effect and improves spatial resolution
- New ultra-thin transducer design enables easy intercostal scanning

# Crafted Volumetric Abdominal Probe

**Provides a Remarkable Enhancement in  
3D/4D Imaging**

- Extraordinary image quality at high volume rate
- Ultra-wide bandwidth, high resolution and deep penetration contribute to precision medicine
- Compact and lightweight design for a more comfortable grip





## μ-Scan Plus<sup>+</sup>

Presents the true anatomy  
and pathology

Better image with excellent speckle  
and artifact rejection

Improved contrast resolution to  
easily identify the lesions

Authentic detail display of anatomy  
and pathology

**SonoScape**

# First Trimester



# First Trimester



# Second/Third Trimester





# Second/Third Trimester



# Second/Third Trimester



# Fetal Heart



# Fetal Heart



# Fetal Heart





Easy yet Clever Workflow

**Smoothness in Operation**





Wifi connection



Energy saving screen



Built-in manual



Sono-Synch



Sono-help tutorial



Bluetooth control



Stand-by mode

Easy yet Clever Workflow

# 13.3" tilting touchscreen

To accommodate user  
viewing preference in any  
scanning environment



**SonaScape**

The background of the advertisement is a dark, high-contrast photograph of a SonoScape medical ultrasound machine. The machine's control panel, featuring a keyboard and a trackball, is visible on the left. A large, dark, articulated arm extends from the machine, holding a probe. The overall aesthetic is professional and clinical.

**SonoScape**

Easy yet Clever Workflow

# TV probe holder

To securely support the firm  
placement of specialized transvaginal  
probes



Easy yet Clever Workflow

# Two-level adjustable gel warmer

To maintain ultrasound gel at a comfortable temperature and leave no detail for caring behind

**SonoScape**

A SonoScape ultrasound machine is shown from a three-quarter front view. It features a large monitor at the top, a control panel with a keyboard and trackball, and a smaller screen on the control panel. The machine is white and grey with orange accents. The background is a solid dark blue.

Easy yet Clever Workflow

# Built-in battery

To protect users from accidental pause  
and data loss due to power outage

**SonoScape**

Easy yet Clever Workflow

# Five probe sockets

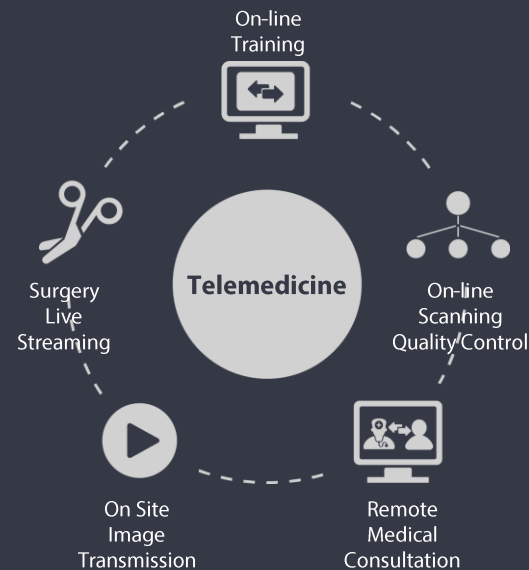
To save clinicians valuable time and energy by relieving the trouble of changing transducers frequently



**SonoScape**



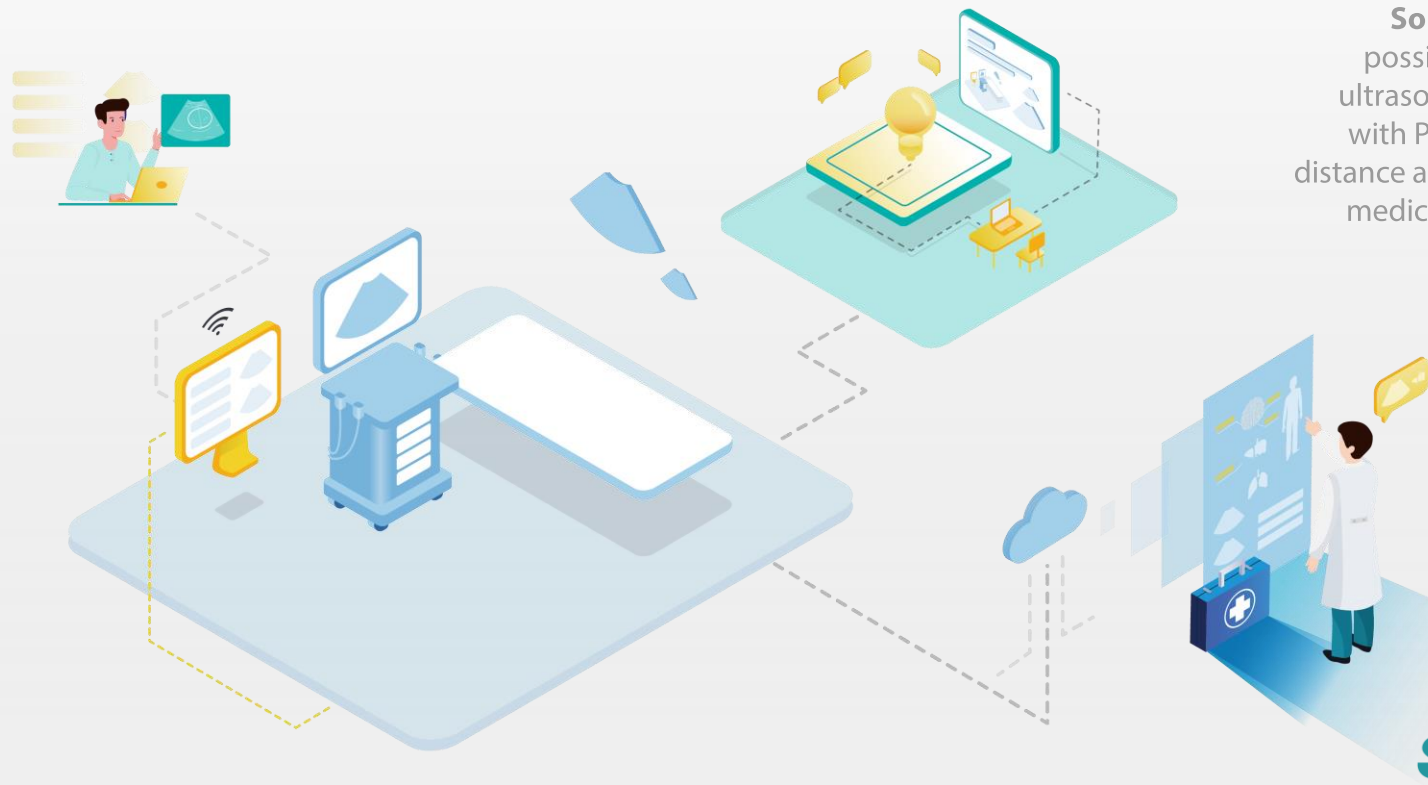
**SonoScape**



# Telemedicine



# Sono-Synch



Real-time interface and camera sharing, enabled by **Sono-Synch**, makes it possible to connect two ultrasounds or ultrasound with PC laptop in a remote distance and perform remote medical consultation and tutorial.

**SonoScape**

# Sono-Synch



- Real-time ultrasound interface and HD camera sharing
- Facilitates on-line training and streaming medical consultation



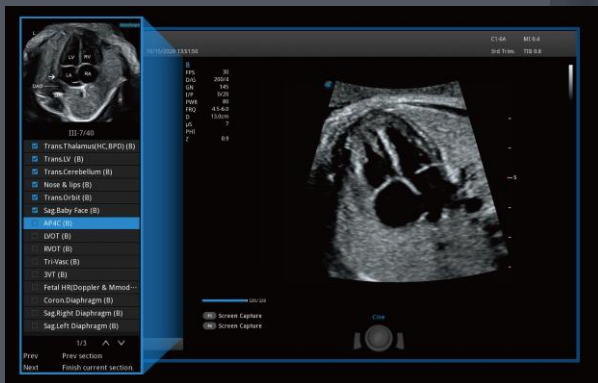
## Sono-Drop

US images **sharing** and **storage**

Easy access and review on **Mobile phone**

Improved maternal satisfaction

**SonoScape**



# Sono-Assistant

In-built standard scan protocols  
for more consistency

Helps streamline workflow  
reducing keystrokes and exam  
time by up to 50%

Templates are user configurable



**SonoScape**

# Commitment to Life-long Healthcare for Women

Family Planning	S-Endometrium, S-Follicle, AVC-Follicle, 3D/4D HyCoSy, Specialized Transvaginal Transducers 6V7, 6V3A
Fetal Biometry	Auto NT, S-Fetus, Auto OB, HD-Zoom, Sono-Assistant, C1-6A
Healthy Pregnancy of Diagnosis	S-Fetus, SR Flow, Micro F, Bright Flow, STIC, Anatomic M, Color M, C1-6A
Healthy Pregnancy of Visualization	3D/4D, S-Live, S-Live Silhouette, S-Live Contour, Color 3D, VCI, FreeVue, Auto Face, S-Spine, VC2-9
Women Health	Pelvic Floor ultrasound, S-Pelvic 2D/3D, Elastography with Strain Ratio (12L-A/6V3)
Health Birth	HIP-measurement, Micro F, High frequency phased array 7P-A, Micro Convex C613, 12L-A



# SonoScape



Family  
Planning



Early Pregnancy



Pelvic and Women  
health



Fetal Heart



Health Birth



Second/Third Trimester



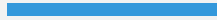
# Target Market

1



Public General Hospital

2



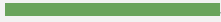
Public Maternity and Childcare  
Hospital

3



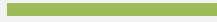
Private General Hospital

4



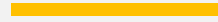
Private Maternity Hospitals

5



Family Planning Center and  
Fertility Clinics

6



OB/GYN Clinics

7



3D/4D Clinics



# Target Market

## OB

Routine 1st / 2nd / 3rd Trimester screening  
NT screening      Fetal Heart screening  
Fetal Specialized examination      3D/4D imaging

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## GYN

Tubal patency evaluation      Pelvic floor dysfunction evaluation  
Uterine cavity operation monitoring

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## IVF

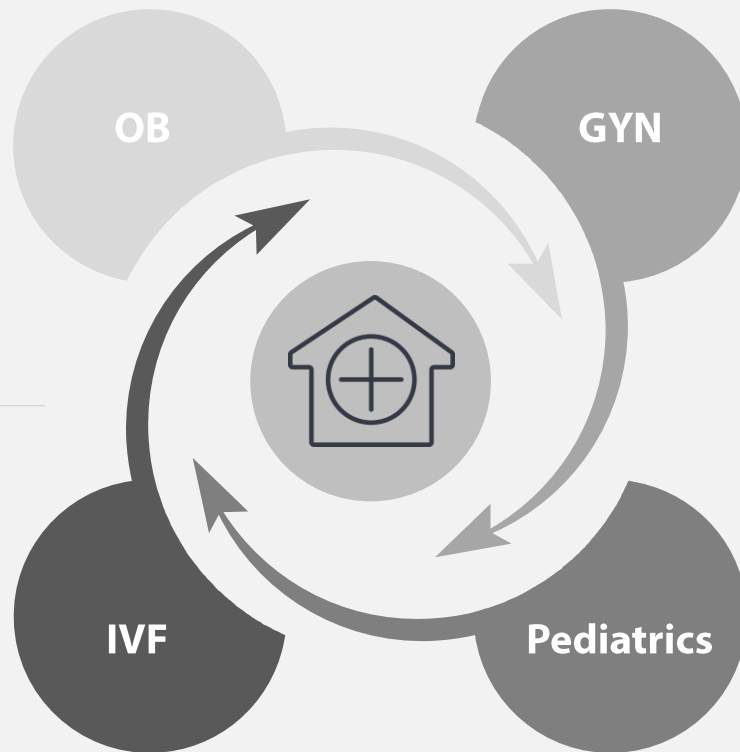
Follicles development monitoring      Ovum pick up guidance  
Embryo transplantation      Selective embryo-reduction operation

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## Pediatrics

Neonatal brain      Neonatal cardiac      Gastrointestinal dysfunction  
HIP measurement

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# Clinical Solution-GYN

## Transducers

- Wide angle endocavity transducer / endocavity volumetric transducer
- Specialized endocavity biopsy transducer / GYN intraoperative transducer

## Features

- S-Endometrium, S-Follicle, AVC-Follicle, 2D/3D HyCoSy
- Pelvic Floor ultrasound, S-Pelvic 2D/3D

## Application

- Uterine cavity operation monitoring
- Reproductive medicine
- In-vitro fertilization treatment



6V3



6V3A



VE9-5



6V7

# Clinical Solution-OB

## Transducers

- Crafted volumetric transducer
- Single Crystal convex transducer

## Features

- S-Live, S-Live Silhouette, S-Live Contour, S-depth, STIC, Color 3D
- S-Fetus, S-Spine, Auto NT, Auto OB, Auto Face
- SR Flow, Micro F
- AMM, Color M
- Sono-Assistant, Sono-Help, Sono-Drop

## Application

- Routine 1<sup>st</sup> / 2<sup>nd</sup> / 3<sup>rd</sup> trimester screening
- NT screening
- Fetal cardiac screening
- Specialized fetal screening



VC2-9



12L-A



C1-6A



6V3

# Clinical Solution-Women Health

## Transducers

- Specialized endocavity / abdominal volumetric transducer
- Single crystal convex transducer

## Features

- S-Live, Multi Slice, VCI, FreeVue
- 2D/3D S-Pelvic
- Strain Elastography

## Applications

- Pregnancy complications exams
- Pelvic floor dysfunction evaluation
- Breast exams
- Cancer screening



6V3



C1-6A



VC2-9



VE9-5

# Clinical Solution - Pediatrics

## Transducers

- Specialized neonatal, pediatric convex / phased array transducers

## Applications

- Neonatal brain, spinal cord
- Abdominal, gastrointestinal dysfunction
- Neonatal heart, vascular
- Hip measurement
- Precocious puberty exams
- Superficial hemangioma exams



VC2-9



12L-A



C613



7P-A



# THANK YOU

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