



Intelligent Future
Attainable

P60 Exp

Color Doppler Diagnostic Ultrasound System

SonoScape

Commitment to Life-long Healthcare for Women



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



Family
Planning



Early
Pregnancy



Fetal Heart



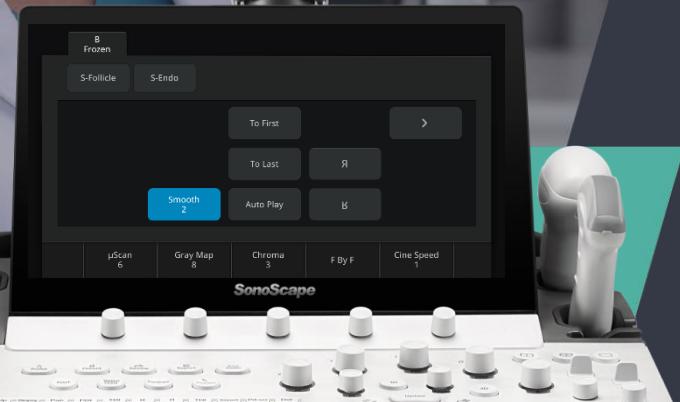
Second/Third
Trimester



Health Birth



Pelvic and
Women's
Health



S-Endometrium

Auto endometrium thickness measurement

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



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

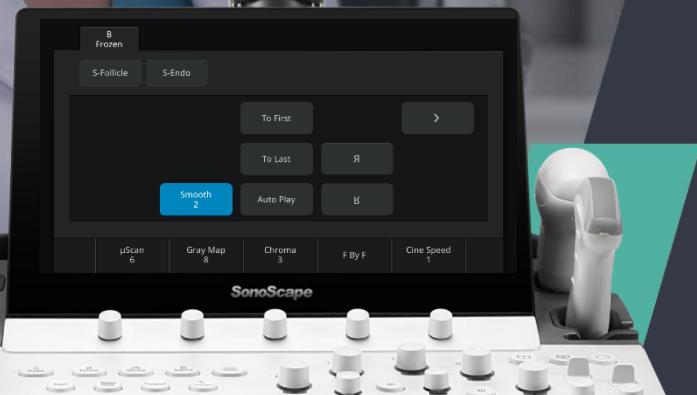
Speed up follicular assessments report with designed color graphic





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 guarantee 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





SonoScape

Specialized Transvaginal Transducers

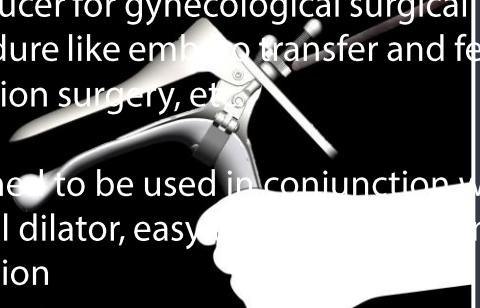
- Angled end-fire design specially for IVF
- Extra-wide field of view with widescan technology
- Real-time temperature control technology
- Advanced technologies including Micro F, Compression elastography, CEUS, S-Endometrium, S-Follicle





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 use in complex operation



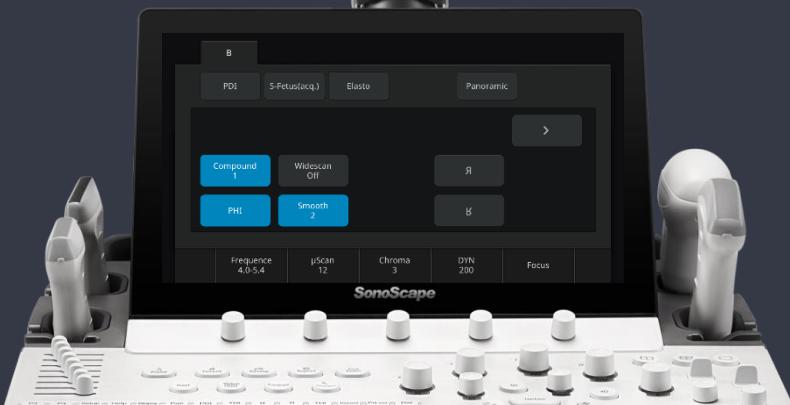
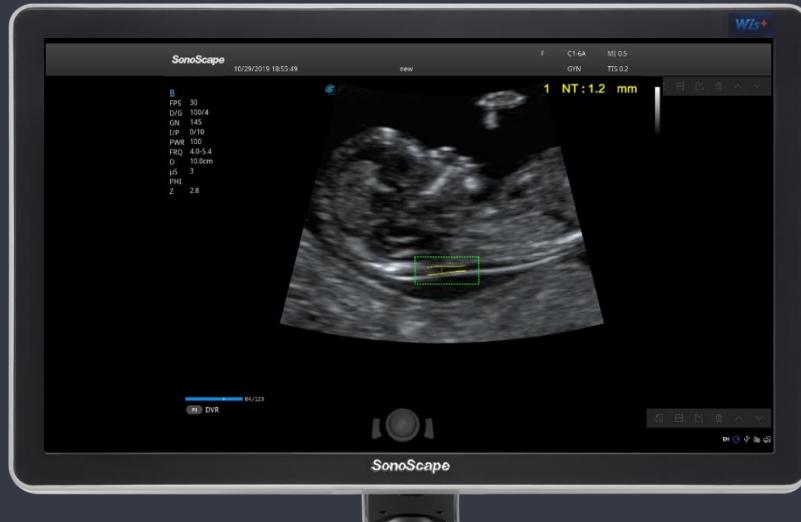
Slender design greatly saves space for operation and minimize patient discomfort





Healthy Pregnancy of Biometry

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



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 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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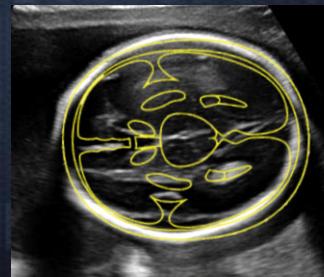
**SonoScape**

Ultrasound with Artificial Intelligence

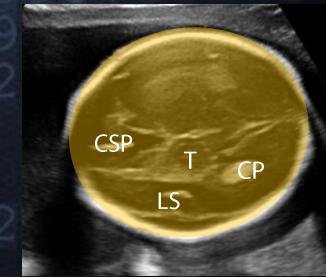
Deep Learning



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





S-Fetus

80% Fewer Keystroke

90% Less Time

98% Accuracy

BPD, HC Manual Measurement

20~40s
at least 11 Keystrokes

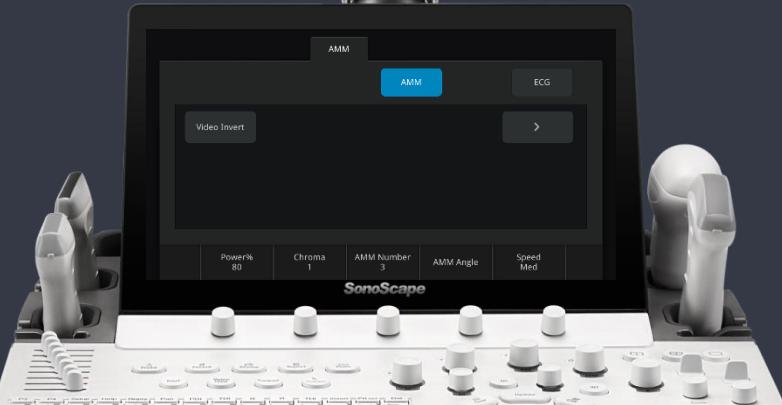
S-Fetus

2s
1 Keystroke



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



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



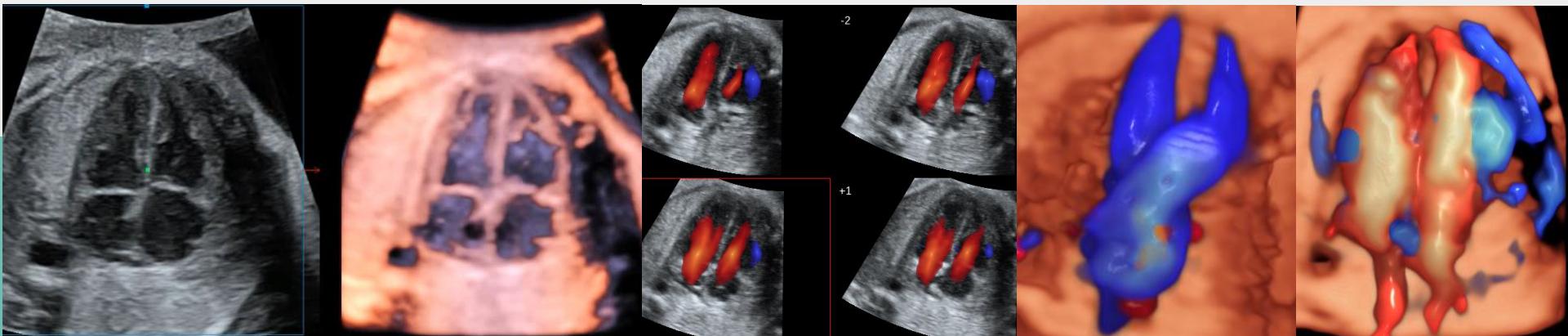
STIC

Spatio-temporal Image Correlation

Fast acquisition with high frame in **8-12s**

Moving detection of **fetal anatomy structures**

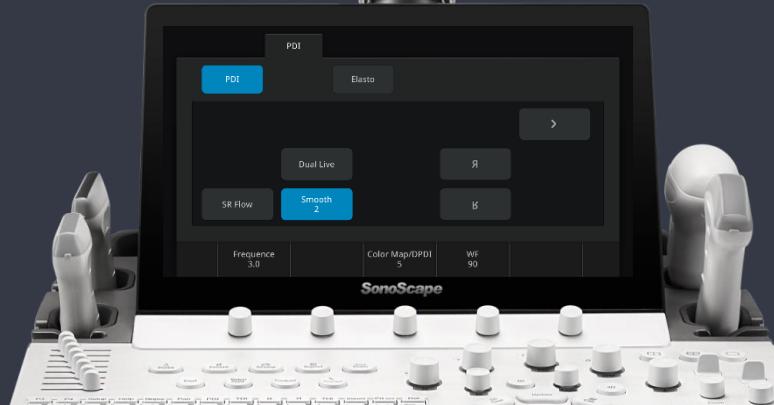
Helpful diagnostic tool for **fetal congenital heart disease**



Micro F

Enhanced Visualization for Micro-vascularized Structures

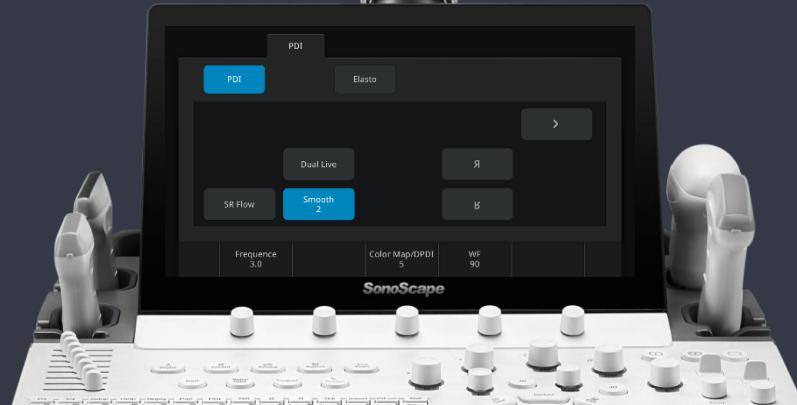
- Minute vessels visualization and slow flow detection
- Higher sensitivity, higher spatial resolution and minimal motion artifact
- More useful for fetal brain and fetal heart hemodynamics, placental insufficiency, etc



Bright Flow

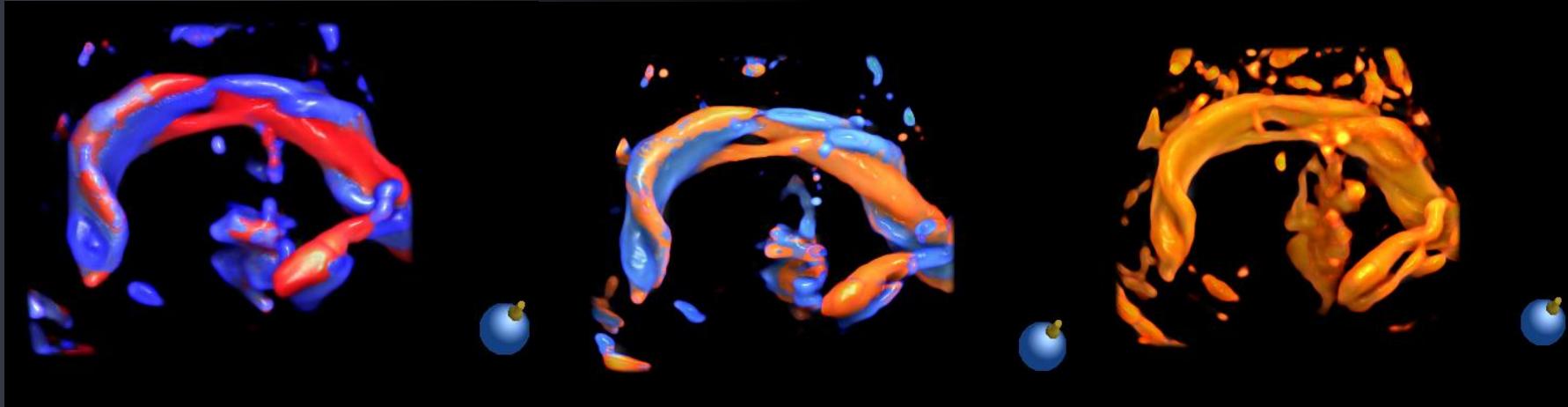
Three-dimensional Visualization of Blood Flow

- 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



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



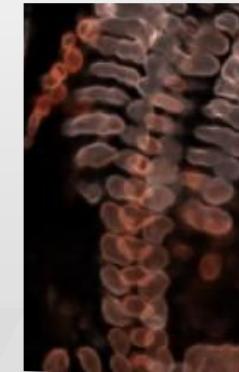
Uterine
Malformation



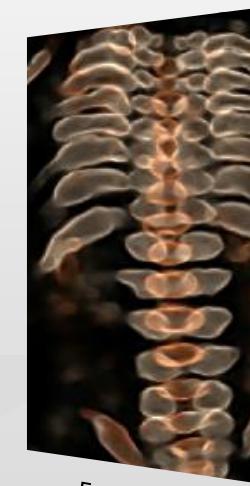
Gestational Sac



Early Pregnancy



Fetal Spine



Fetal Spine

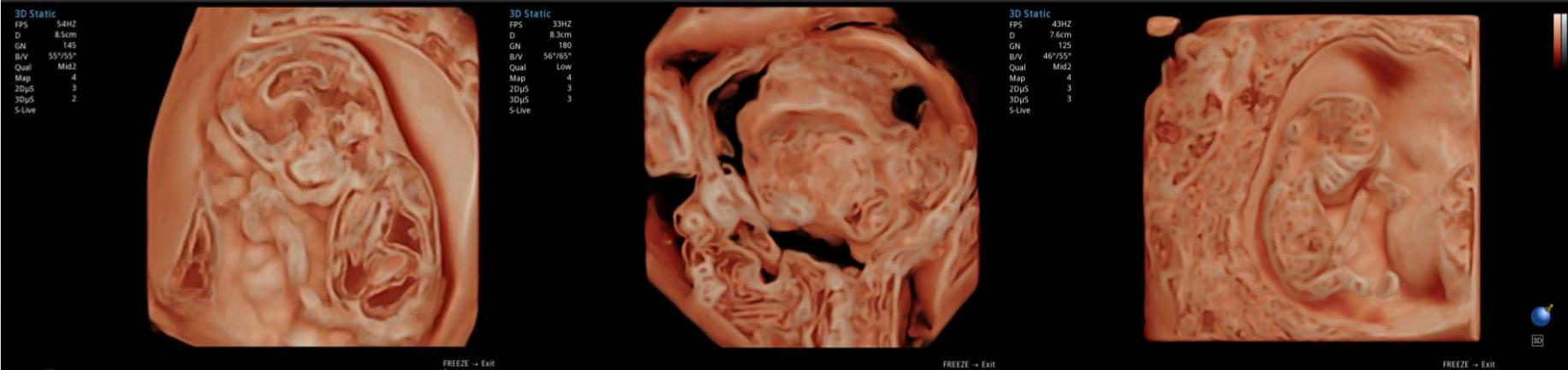


S-Live Contour

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**

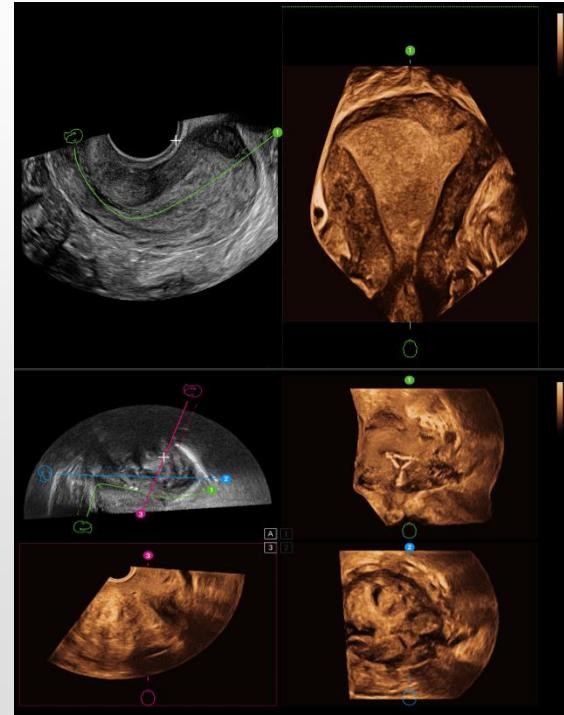
Multiple depth color tint for user's preference



FreeVue

Elevated Capability Ready for More Challenges

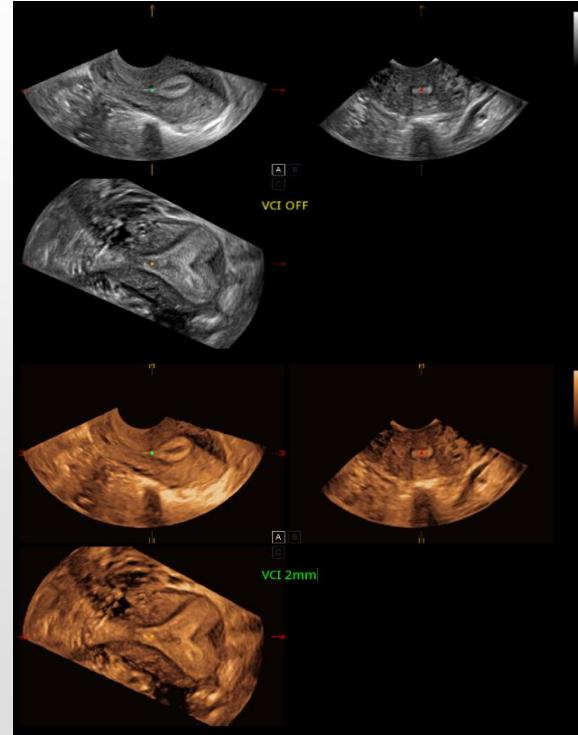
- Acquires any plane from 3D/4D volume data by simply defining a line in any shape
- Makes it possible to view integral irregularly shaped structures not available in 2D imaging
- Line number: up to 3/ Line type: Straight line, Curved line, Trace, Poly line/ View type: Actual view and Project view



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



SonoScape



Pelvic and Women Health

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



Family Planning



Early Pregnancy



Fetal Heart



Second/Third Trimester



Health Birth

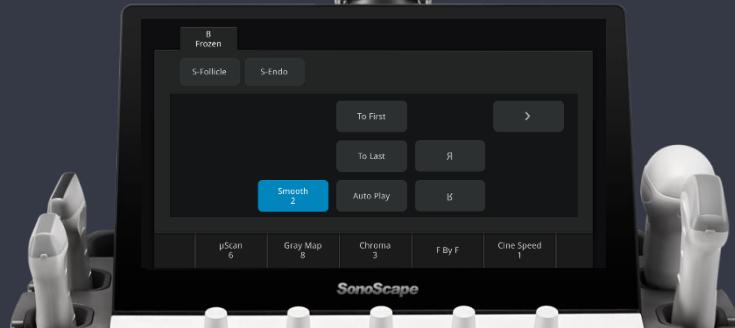


Pelvic and Women Health

S-Pelvic (2D) Auto Anterior Compartment Evaluation

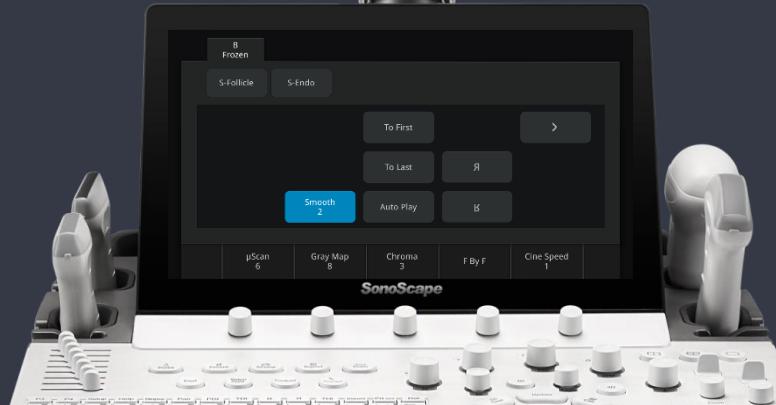
- Full automation of pelvic floor anatomy recognition and measurement for auto anterior compartment evaluation
- Two reference line is selectable for anterior pelvic floor compartment measurement

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



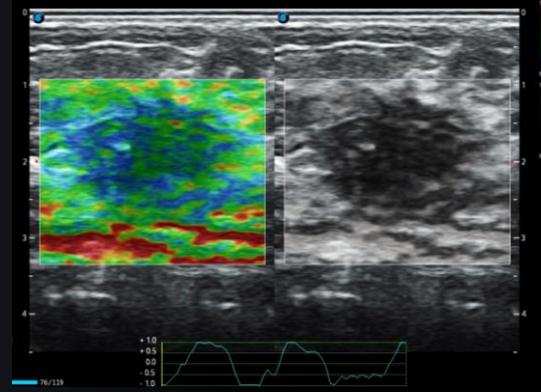
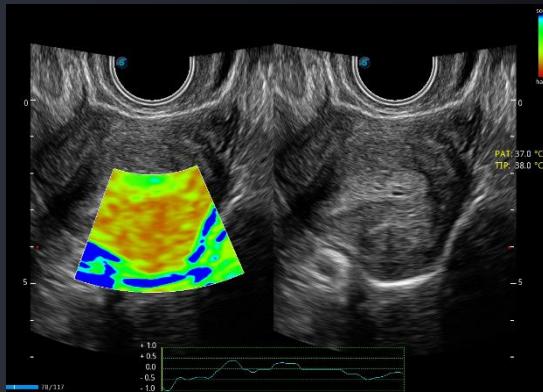
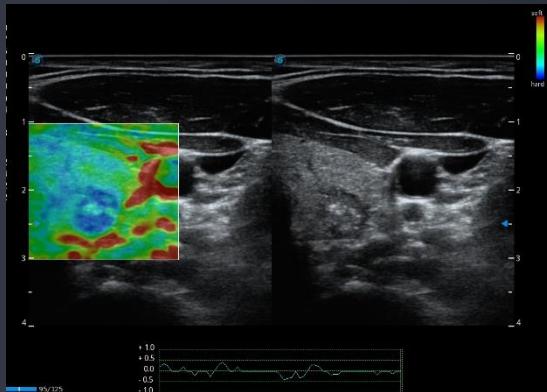
S-Pelvic (3D) Auto Levator Hiatus Evaluation

- 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





Health Birth

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

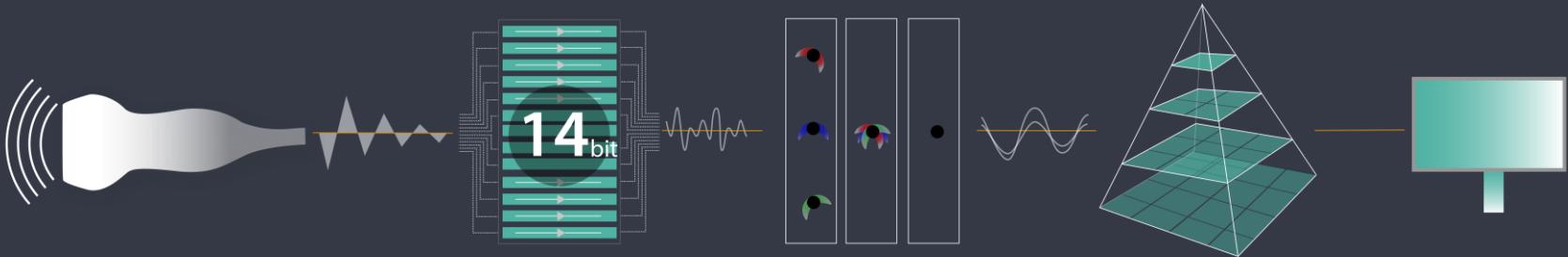
**Application : Neonatal Brain, Neonatal
Spinal Cord, Abdominal,
Gastrointestinal Dysfunction, Neonatal
Heart, Vascular
HIP Measurement**

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Exquisite Image Quality
Abundance in Details

More Focus on Frontend



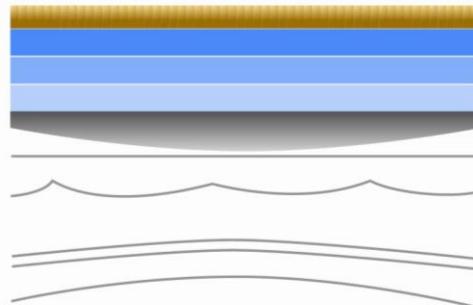
90%

10%

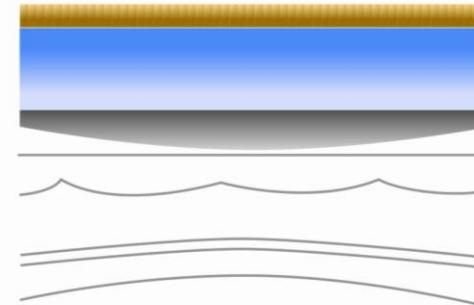
Innovative Single Crystal Technology

Achieves New Levels of Clarity and Utility

Normal probe



C1-6A



Innovative Single Crystal Technology

Achieves New Levels of
Clarity and Utility

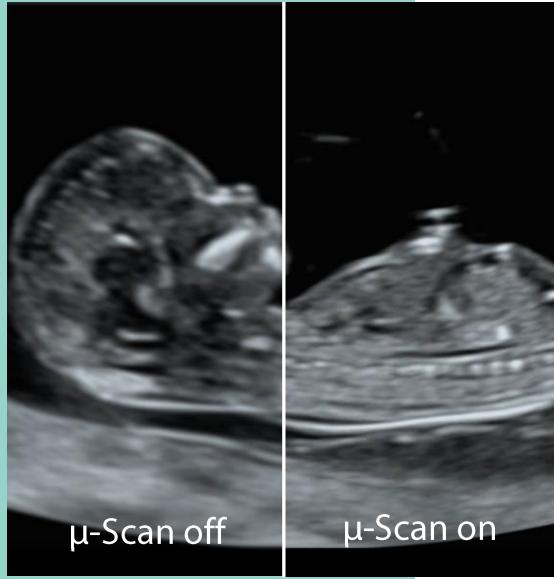
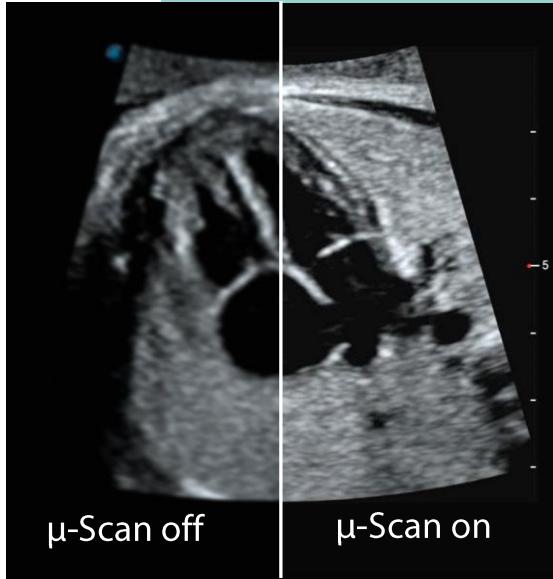
- Perfect uniformity of crystal alignment leading to a much higher efficiency in energy transmission
- Better penetration and higher S/N ratio especially during difficult-patient scanning
- Ultra-thin crystal slicing effectively reduces sidelobe effect and improves spatial resolution
- New ultra-thin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

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

SonoScape

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



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

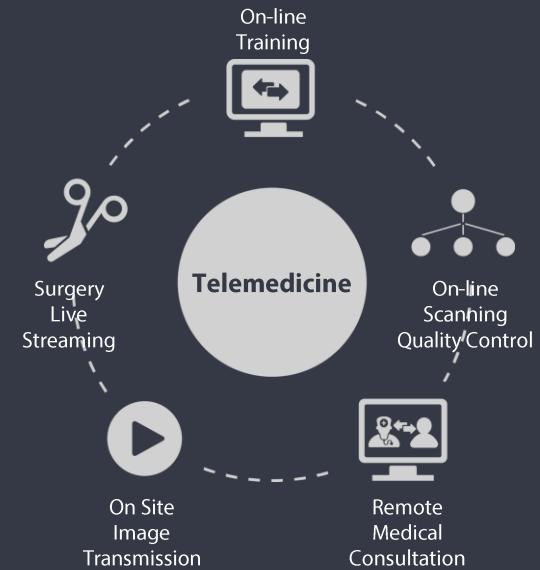
To save clinicians valuable time and energy by relieving the trouble of changing transducers frequently

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



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



Target Market

OB

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

GYN

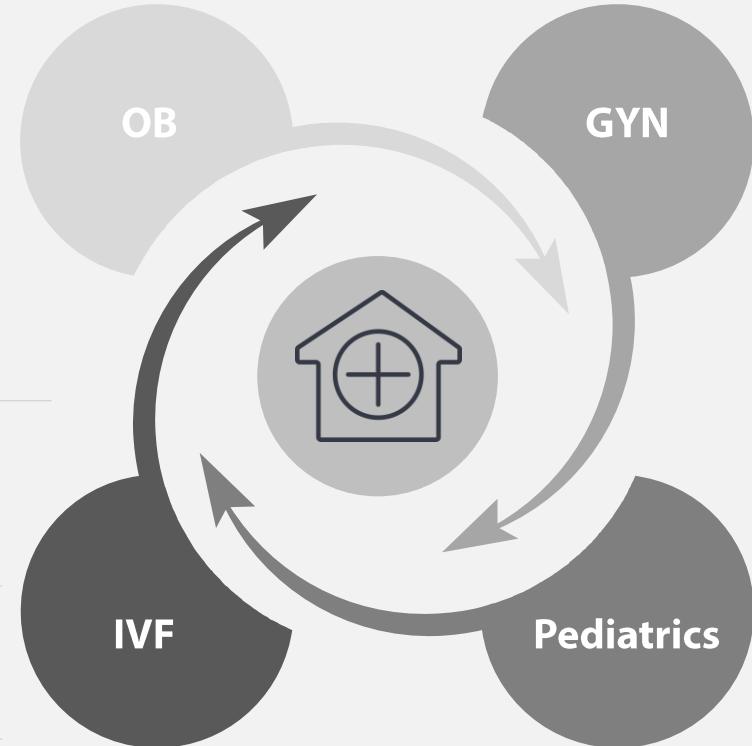
Tubal patency evaluation Pelvic floor dysfunction evaluation
Uterine cavity operation monitoring

IVF

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

Pediatrics

Neonatal brain Neonatal cardiac Gastrointestinal dysfunction
HIP measurement



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 1st / 2nd / 3rd 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

SonoScape