

Nuewa R9

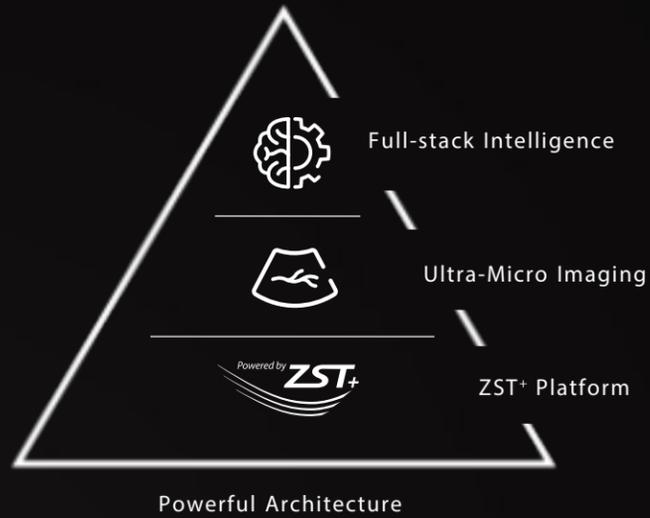
Premium Ultrasound System

Inspiring Women's Healthcare

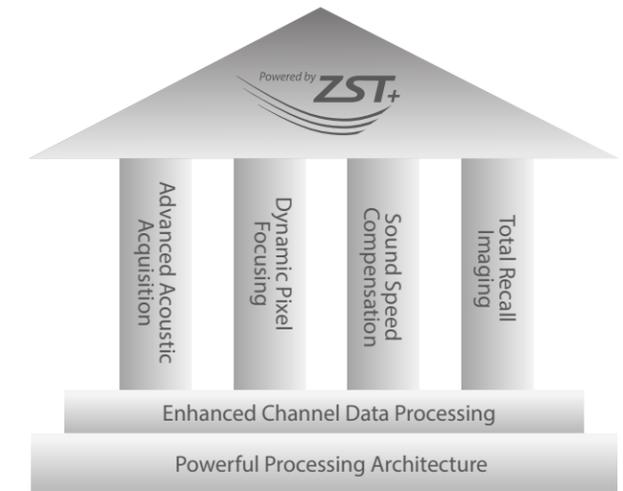


Inspiring women's healthcare

Thanks to the revolutionary ZST+ platform, Nuewa R9 is powered by evolving leading-edge technologies to meet diagnostic challenges in women's healthcare. Breakthrough technologies such as Ultra-Micro Angiography help you explore more micro-details and the truth beneath! Designed with the invaluable wisdom of experts, it innovatively provides full-stack intelligence beyond your expectation for diagnosis with more confidence, standardization and efficiency across different challenges in demanding and overburdened hospital settings.

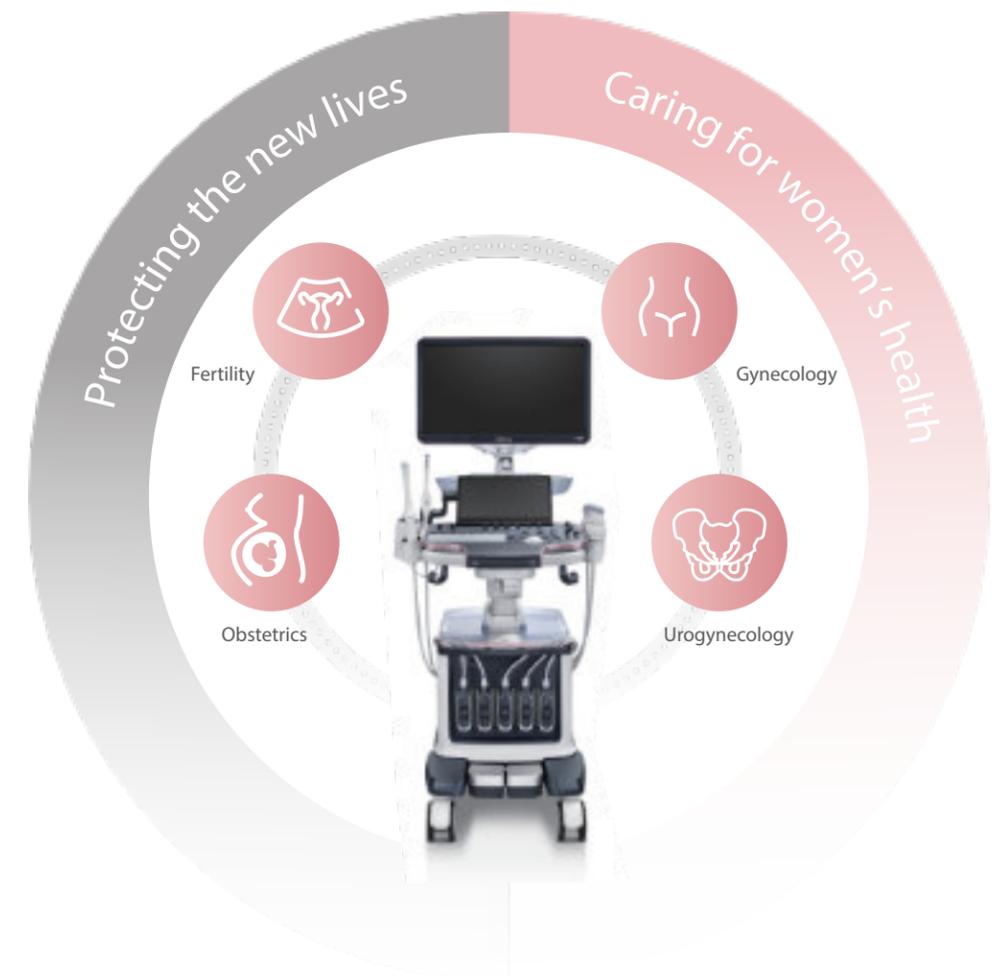


The ZST+ platform is an extraordinary innovation that takes ultrasound imaging to the new level. By transforming ultrasound metrics from conventional beam-forming to channel data based processing, it overcomes the traditional trade-off among spatial resolution, temporal resolution and tissue uniformity, delivering exceptional image quality for infinite imaging solutions with ongoing improvements.



Professional ultrasound solutions with full-stack intelligence:

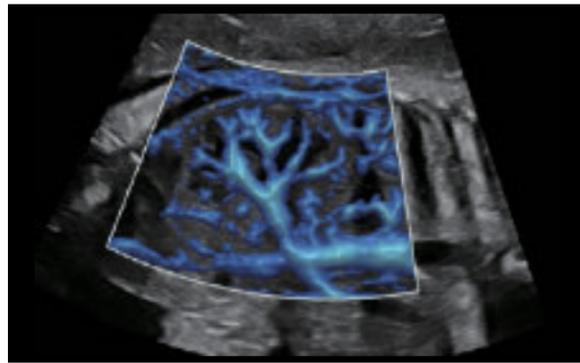
- Protecting the new lives with fertility and obstetrics solutions
- Caring for women's health with gynecology and urogynecology solutions



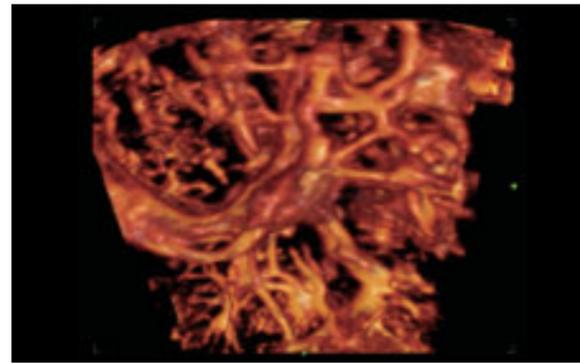
Explore more details and the truth beneath

UMA (Ultra-Micro Angiography)

The innovative technology breaks the bottlenecks of traditional Doppler imaging. With ultra-high spatial resolution and flow sensitivity, it allows detecting super-subtle and super-slow flow perfusions, thereby extending the clinical application of qualitative and quantitative ultrasound evaluation in fetal brain, kidney, placenta, endometrium, ovary, etc.



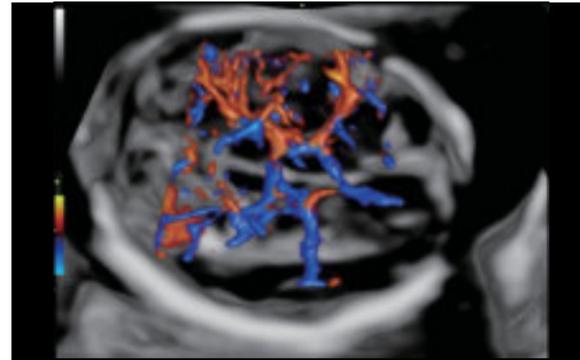
UMA - fetus renal flow



3D UMA - placental cord insertion



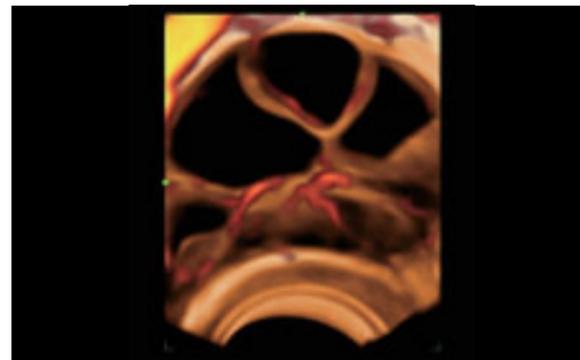
UMA - fetus pericallosal flow



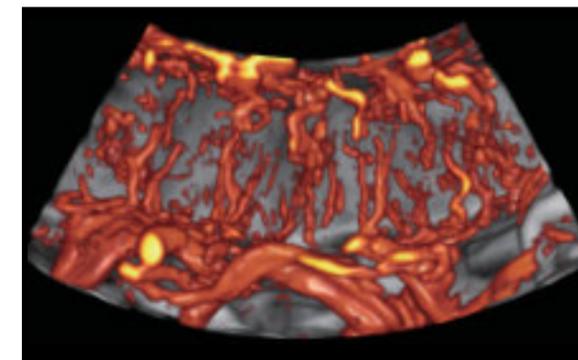
3D UMA - fetus intracranial flow



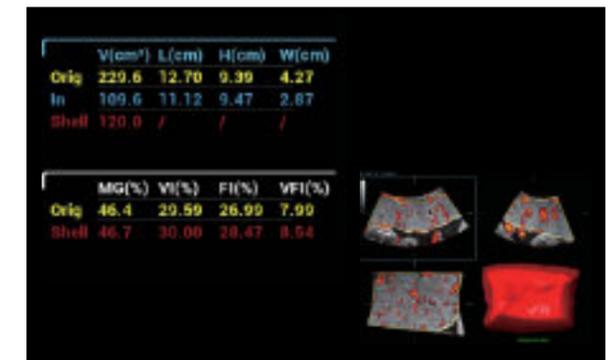
UMA - uterine and endometrial flow



3D UMA - perifollicular blood flow



3D UMA - placental micro-perfusion



Quantitative analysis with 3D UMA and Smart Volume

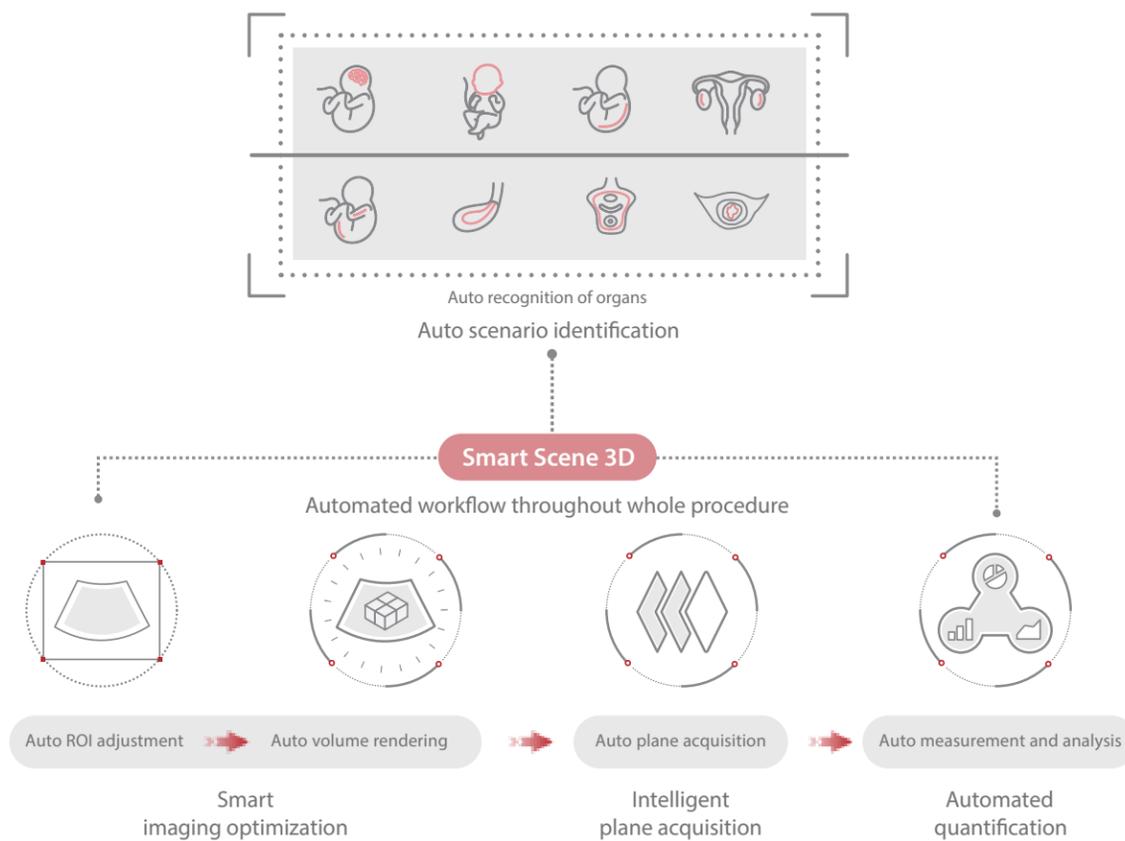
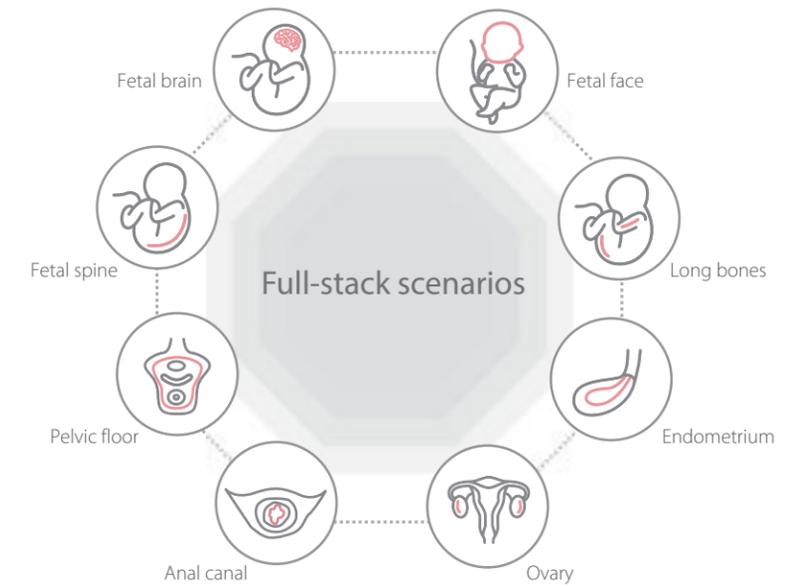
Full-stack intelligence for easier diagnosis

Scenario-oriented full-stack intelligence

Combining advanced algorithms and domain-specific knowledge, the innovative Smart Scene solution enables auto identification of tissue characteristics and provides organ-specific diagnosis with full-stack intelligence. Based on auto scenario identification, the solution not only realizes smart 2D scanning with auto settings and measurements, but also delivers 3D full-stack intelligence in every step from volume imaging optimization to the difficult 2D plane acquisition, and quantification throughout whole procedure. It helps a lot in reducing the dependency on clinical skills, while increasing diagnostic accuracy, confidence and efficiency.

Full-stack scenarios

The Smart Scene solution is widely used in women's healthcare, from fetal brain, spine, to endometrium, ovary, pelvic floor and anal canal exams. As an innovative technology, it is expected to evolve further and be applied widely in the future.



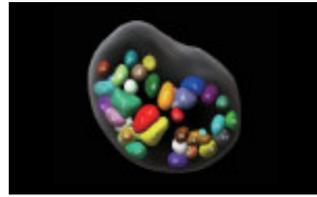
Protecting the new lives

Fertility and reproductive health

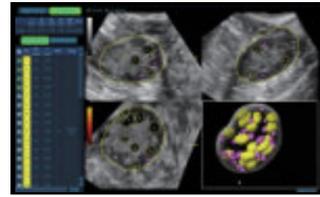
One-stop fertility scan should be involved in every step of reproductive health management to diagnose infertility causes and improve pregnancy rates within fewer cycles during the ART procedure.

Ovarian reserve assessment

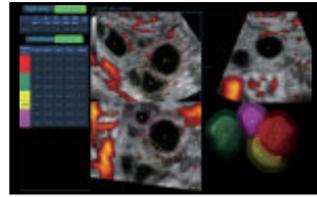
The brand new Smart FLC provides precise volume rendering, count and quantitative analysis of ovary and even antral follicles for easy, effective and confident ovarian reserve assessment.



Precise imaging of ovary and follicles



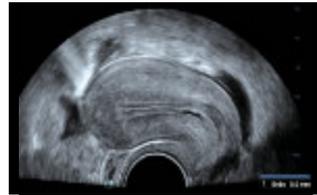
Intelligent follicle grouping and count



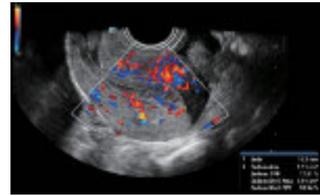
3D analysis with shell for perfollicular flow

Endometrial receptivity analysis

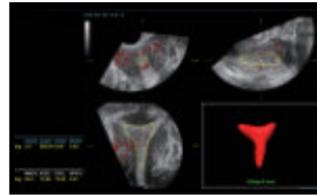
Smart scene-endometrium realizes intelligent endometrial thickness measurement, volume rendering, auto coronal plane acquisition, and even 2D or 3D vascularity study for endometrial receptivity analysis.



Auto measurement of endometrial thickness



Auto tracing and flow analysis of endometrium



Auto volume rendering and quantification

Fallopian tube patency evaluation

Easily and intuitively explore the tubal patency and direct the type of treatment that is required for women having trouble falling pregnant.



4D HyCoSy with iLive



4D Tissue-Contrast Mix Rendering



2D Tissue-Contrast Mix Rendering



OB ultrasound in prenatal diagnosis

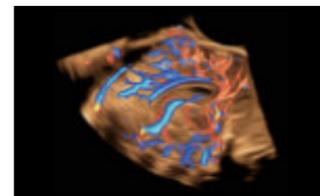
A series of advanced imaging technologies, full-stack intelligent solutions, and innovative academic tools help to achieve easy, reliable and efficient prenatal screening, diagnosis and study to early detect and reduce birth defects.



Early OB NT



Fetal hydronephrosis



Pericallosal flow - Color 3D



Aortic arch - Glazing Flow



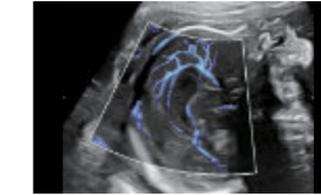
Pulmonary vein - Glazing Flow



Cleft lip - iLive

Smart and accurate CNS diagnosis – fetal brain

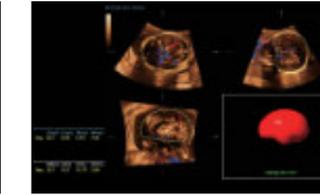
High-clarity images with subtle details and Smart Scene intelligence help to easily acquire the most significant planes and obtain frequently used measurements of fetal brain for smart diagnosis, enabling improved throughput and reduced user dependency.



Pericallosal flow - UMA



Smart Planes CNS



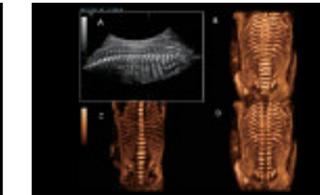
Smart ICV with UMA 3D

Easy and smart CNS diagnosis – fetal spine

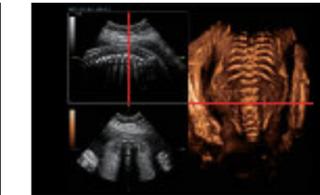
Smart Scene 3D-spine reduces the difficulty in scanning and intelligently splits vertebral bodies and arches for clear observation and reduced misdiagnosis of fetal spina bifida. The guide line also enables much easier and more confident positioning of conus medullaris.



Fetal spine - regular 3D



Auto splitting of vertebral bodies and arches



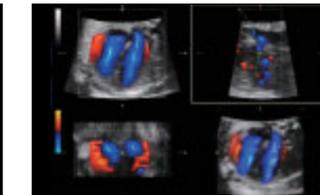
Easy positioning of fetal conus medullaris

Precise fetal heart evaluation and study

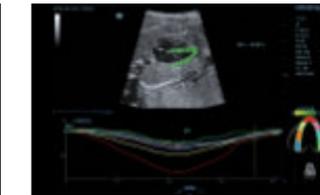
Excellent fetal cardiac 2D and flow imaging ensures diagnostic confidence. A combination of tools enhances the efficiency and provides more information, such as auto monitoring of fetal heart rates, accurate evaluation of fetal heart function, and myocardium motion study.



Smart Fetal HR



Color STIC



Fetal heart TT QA



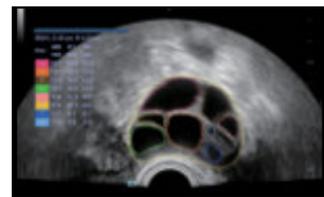
Caring for women's health



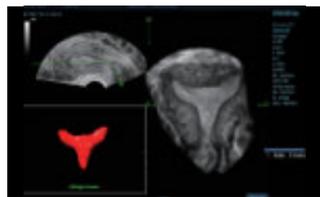
Diagnosis of GYN diseases

Smart, effective and efficient GYN scan

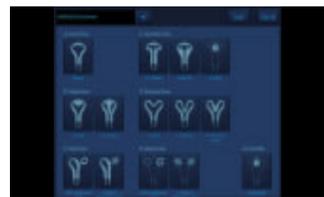
Ultrasound plays a pivotal role not only in the regular examination of uterine, ovarian and adnexa, but also in the detection and characterization of abnormalities. Effective and efficient scan is enabled by a series of smart tools.



Auto measurement of ovary and follicles



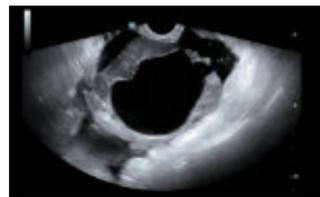
Auto imaging of endometrium coronal plane



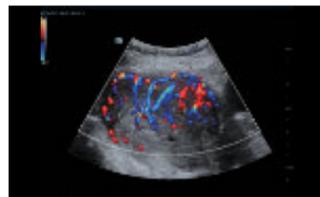
Guidance for uterine malformation classification

Multi-modal imaging for lesion detection and characterization

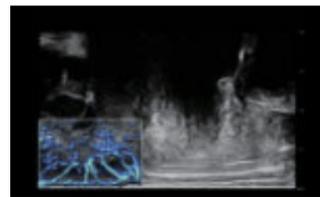
Multiple imaging modes and analysis tools allow comprehensive evaluation of the lesion, including 2D/3D tissue structure, hemodynamics, micro-flow perfusion, tissue stiffness, and quantification, giving more confidence for diagnosis, especially of complex GYN tumors.



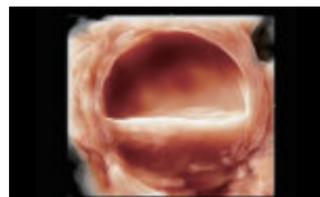
Ovary lesion – 2D



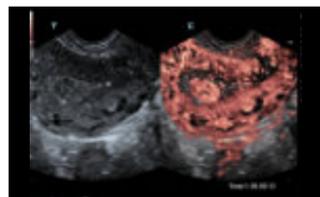
GYN mass – Color



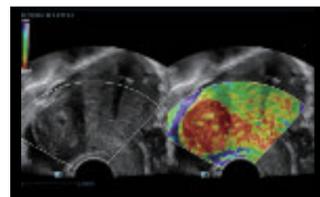
Endometriosis – UMA



Chocolate cyst – 3D



Uterine myoma – CEUS



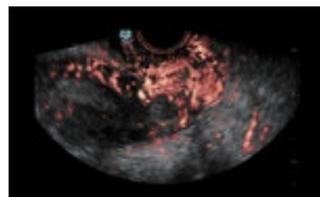
Uterine myoma – Elastography

Micro-flow perfusion evaluation with CEUS

UWN⁺ (Ultra-Wideband Non-linear Plus) CEUS enables Nuewa R9 to detect and utilize both the second harmonic and non-linear fundamental signals, generating significantly enhanced images, resulting in greater sensitivity and longer agent duration for a better understanding of gynecological issues. Tissue-Contrast mix imaging allows intuitive and easy observation of tissue structures and the lesion's localization among surrounding tissues.



Uterine myoma – UWN⁺ CEUS



Cervical cancer – tissue & contrast mix



Ovary mass – UWN⁺ CEUS

Pelvic health and Urogynecology

Given the growing importance of ultrasound diagnosis of pelvic floor disorders, the Nuewa series provides a holistic solution with full-stack intelligence to make scanning a lot easier, operations simpler and the exam time shorter, allowing easy and standardized ultrasound evaluation of pelvic floor.

Smart assessment of mid-sagittal pelvic scan

With a simplified user interface, it generates a standard coordinate system and automatically provides all related measurements within seconds.



2D auto evaluation - Smart Pelvic

Intelligent analysis of levator hiatus

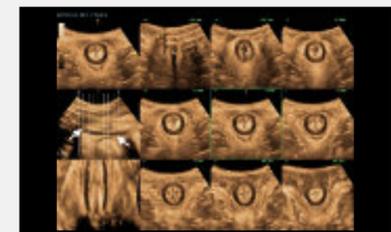
It provides full-stack intelligence for volume imaging, the ability to acquire multiple planes, and automated accurate measurements to enable easy evaluation of levator ani muscles.



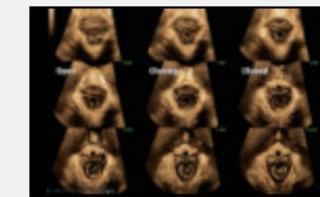
Auto volume imaging and measurement

Auto acquisition of anal sphincter planes

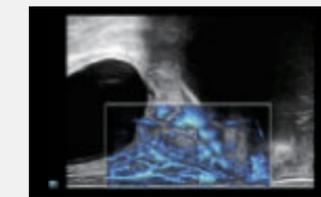
Smart Scene 3D can automatically detect anal canal scanning scenarios and intelligently acquire multiple planes of anal sphincter for easy evaluation of its integrity and continuity.



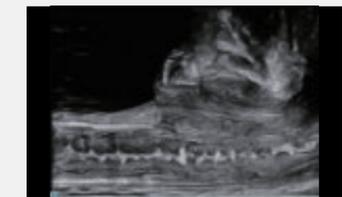
Auto acquisition of anal sphincter planes



Auto plane acquisition



UMA of urethral flow



Sagittal plane of vagina and urethra