A WORLD OF

OPPORTUNITIES

ARIETTA™ 750
ULTRASOUND SYSTEM

- Accuracy, efficiency and immediacy
- Premium performance at a flexible price
- High Class Ultrasound Imaging

FUJIFILM
Value from Innovation

WELCOME
TO THE ARIETTA™ 750 ULTRASOUND SYSTEM. EMPOWER YOUR ULTRASOUND.

What's your ideal ultrasound experience?

Perhaps you want a system with high image quality, yet with added flexibility in the specifications that you choose. Maybe you need premium features that makes patient diagnosis more accurate and efficient.

And almost certainly, you are looking for all this at an affordable price.

THREE EDITIONS, ONE CHOICE

ARIETTA 750LE ULTRASOUND SYSTEM
ARIETTA 750SE ULTRASOUND SYSTEM
ARIETTA 750VE ULTRASOUND SYSTEM

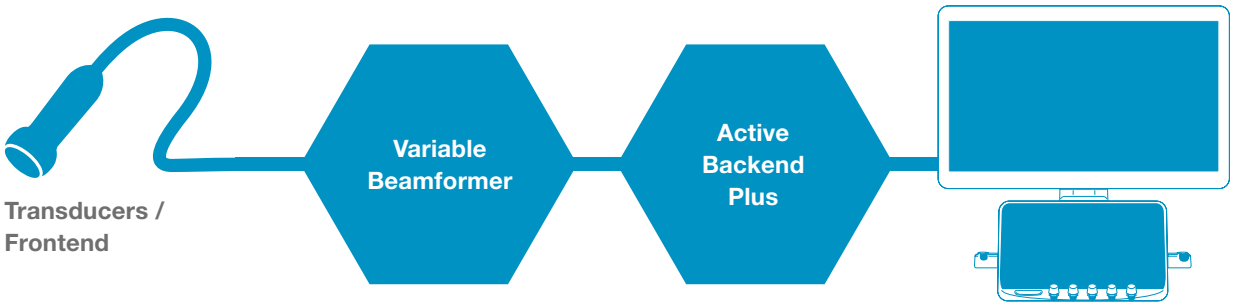
Choose ARIETTA™ 750 Ultrasound System and get high image quality delivered with a choice of different options: whatever suits you best. Most importantly, it puts you firmly in charge of your patients' diagnostic data through advanced imaging and measurement technologies – including criteria and indices for various organ functions.

The result: diagnose pathologies at the touch of a button, more efficiently than ever before.

- Great image quality delivered by our state of the art processing technologies like eFocusing and Carving Imaging.
- Premium, AI-based measurement functions that take patient diagnosis to the next level.
- Excellent probe coverage for a wide range of therapeutic areas.

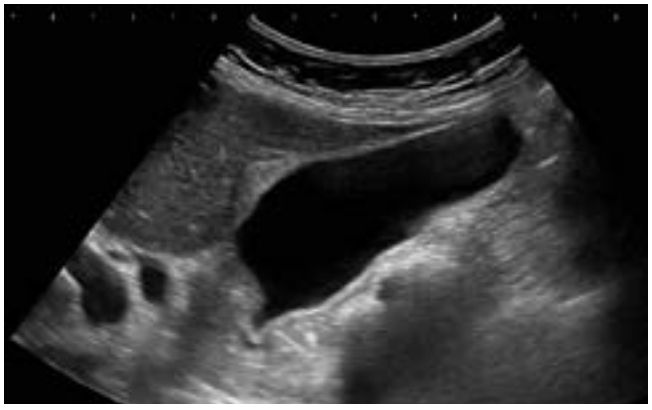
Pure Symphonic Architecture

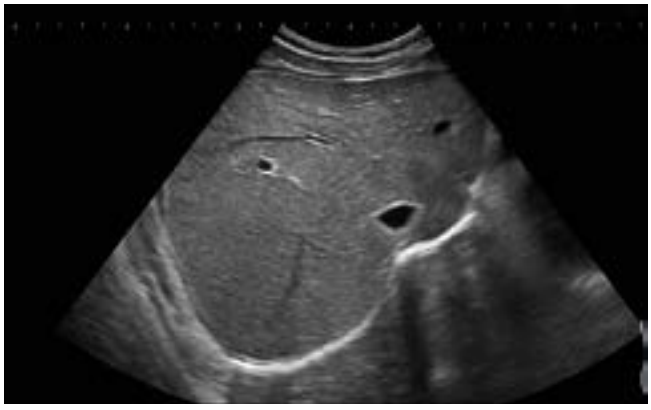
Recording sound is a form of art. **Inspired by an orchestra**, we have optimized data fidelity along the entire signal handling chain, from transducer to display monitor, passing powerful processing technologies: to capture the most **subtle details**, sharply, clearly and free of noise.



eFocusing

Get focused images throughout any depth with any type of patient.





[1]

Carving Imaging

Accentuate even the lightest echoes across the image to help spot tissue abnormalities early.

OFF[2]

ON[2]

[1] With courtesy of S. Pertini Hospital, OUSD Radiologia Interventistica (Rome, Italy)

[2] With courtesy of Institute of Oncology, DORA Department (Ljubljana, Slovenia)

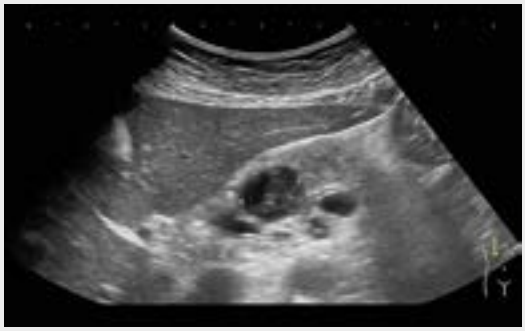
BE PREPARED
FOR VARIOUS CLINICAL CASES.

The interpretation of your ultrasound results directs your decision in patient care. Thus, the quality of these images, as well as the measurements coming with them are of **utmost importance**. Especially in the field of Radiology, you need a combination of **reliable information** to diagnose and treat a diverse range of diseases and injuries.

ARIETTA™ 750 Ultrasound System with its **high image quality** and **flexible configuration** answers to a wide variety of patients, pathologies and user needs. Additionally, its ergonomic design and efficient workflow contribute to a **comfortable examination environment for all**.

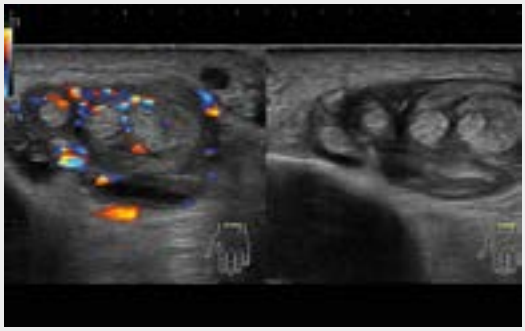
Highly sensitive B-mode and Colour Modes

Clearly see organ boundaries, tissue structures and blood flow.

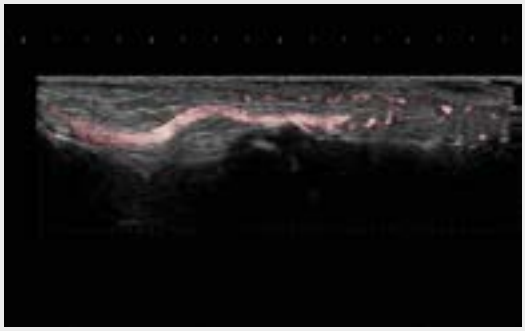


Clear depiction of a pancreatic lesion with great details in B-mode

Low velocity kidney blood flow observation with high frame-rate micro-Doppler imaging (DFI)



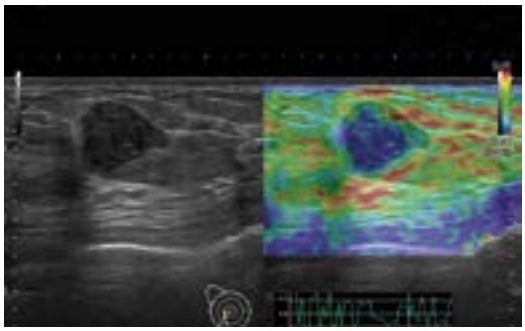
Assessment of wrist joint inflammation with Dual Colour Flow



Visualization of tiny finger blood flow vessel with sensitive high-resolution power Doppler eFLOW

Elastography

Visualize and quantify tissue stiffness from superficial to deep structures.

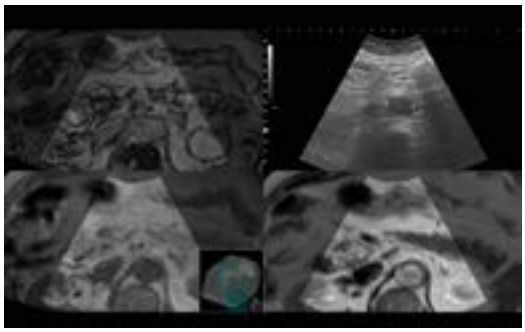


Differentiate between soft and hard tissue, and calculate Fat Lesion Ratio in the breast with Real-time Tissue Elastography to further characterize breast lesion

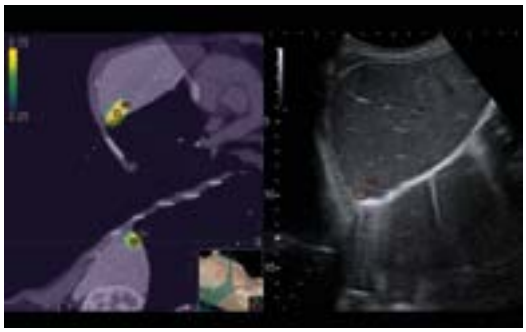
Judge the degree of liver steatosis with shear wave and attenuation measurement to assess diffuse liver disease

Fusion Imaging

Synchronize real-time ultrasound with reconstructed MPR images from **CT, PET, MRI** or **US** volume data for precise image guidance during interventional procedures. Includes algorithms to compensate for needle bending or patient movement.



Evaluate this 2.7 cm abdominal lesion with MRI-US fusion (RVS)

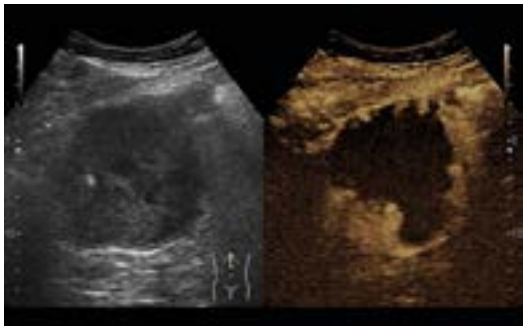


Plan needle positioning for RFA treatment with E-field Simulator and view it during the procedure by a 3D body mark with 3D Sim-Navigator

Contrast Imaging

Improve organ edge delineation, tissue characterization and vascular pattern assessment.

Characterize kidney lesion with additional information provided by Contrast Harmonic Imaging (CHI)



Evaluate and guide biopsy samples to confirm this papillary renal cell carcinoma with 50% necrosis

BE EQUIPPED FOR WOMEN'S HEALTH PATHOLOGIES AND FOETAL ASSESSMENT.

Specialists in gynaecological and obstetric health need **dedicated tools** for optimal patient outcomes. Ultrasound is used to confirm and monitor pregnancy throughout all trimesters and evaluate foetal morphology to detect birth defects as early as possible. At the same time, conditions of the female organs, such as the breast or uterus, also need **specialized care** and treatment.

ARIETTA™ 750 Ultrasound System incorporates automated, AI-based solutions to measure foetal growth and wellbeing, allowing clinicians to be **more efficient, confident and focused** on the important things: **the care for mother and child**.

Foetal Visualization & Monitoring Tools

Display the foetus in realistic, real-time 3D images for outer assessment, and check intracavity structures and biometric growth parameters.

Depict even little details of a baby face in high definition 3D

Examine pericallosal artery at 18 weeks with micro-Doppler Imaging (DFI)

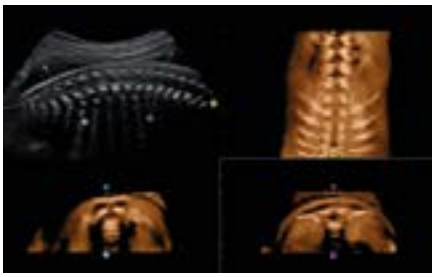
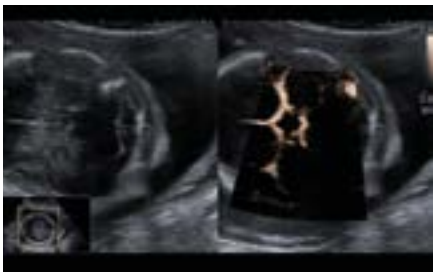


Image curved structures like the foetal spine or corpus callosum in multiple planes with CMPR

Automatically calculate the estimated foetal weight with AutoEFW



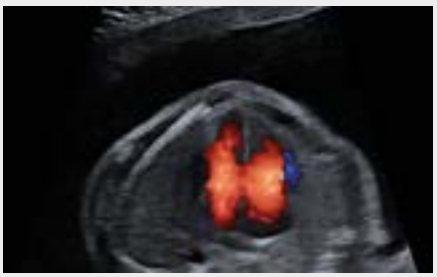
Assess this Willis Polygon at 22 weeks with micro-Doppler Imaging (DFI) and Dual Colour Flow mode

Realistic 4D Shading Flow of the umbilical cord

Advanced Foetal Heart Measurements

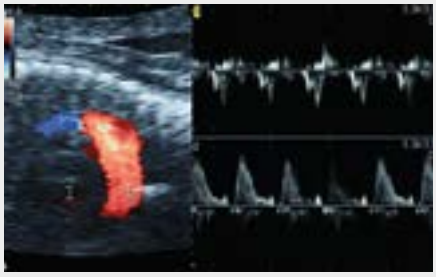
Detect congenital cardiac anomalies early for effective treatment.

Clearly see the 4 chambers of the foetal heart at 21 weeks with B-mode



Observe the same 4 chamber view with Glossy Colour Flow

Depict the aortic arch blood flow at 18 weeks with Glossy Power Flow



Measure two separate volumes at the same time from the same heart cycle for stable rhythm measurements, even in arrhythmia cases, with Dual Gate Doppler

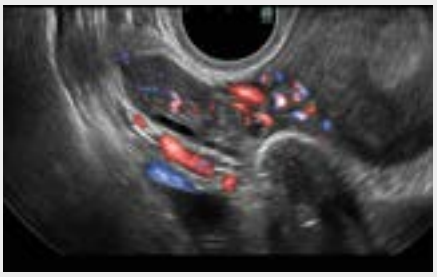
Automatically measure the heart rate with AutoFHR, also as of an early age with a transvaginal transducer

Calculate the %Fractional Shortening automatically, independent from foetal positional changes or breathing of the mother, with AutoFS

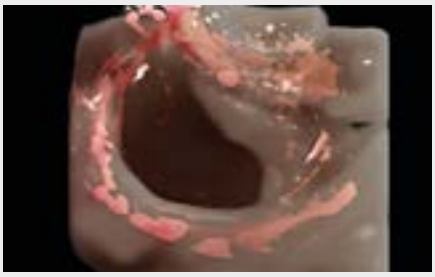
Imágenes ginecológicas

Diagnostique con confianza enfermedades específicas de la fisiología de la mujer.

Visualización clara de un dispositivo intrauterino (DIU) con CMPR



Observación de la vascularización ovárica con Glossy Power Doppler mediante un transductor con un campo muy amplio de visualización



Monitorización del folículo en tratamientos para la infertilidad con los modos 4D

BE PRECISE IN BIOPSY, TRANSRECTAL OR TRANSABDOMINAL PROCEDURES.

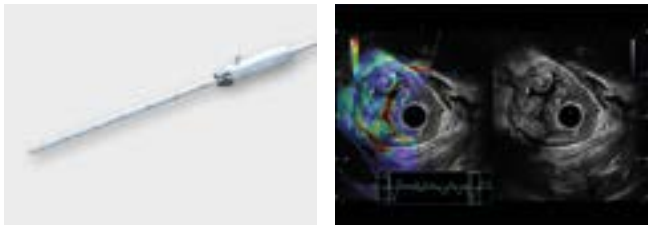
Visualize, localize, characterize, biopsy and treat abnormalities of the urinary and colorectal tract, male reproductive system and pelvic floor with premium ultrasound guidance. This requires not only high image quality, but also many different imaging modes, functional set-ups and, especially, dedicated probes.

ARIETTA™ 750 Ultrasound System offers great B-mode image quality, and also **highly sensitive colour**, elastography, contrast and fusion modes. Its transducer line-up ranges from standard linear or convex to dedicated biopsy, endocavity, bi-plane, 360° radial, drop-in or laparoscopic types. This opens possibilities for tumour detection, characterization and treatment with a choice of biopsy approaches and advanced guidance for interventional procedures.

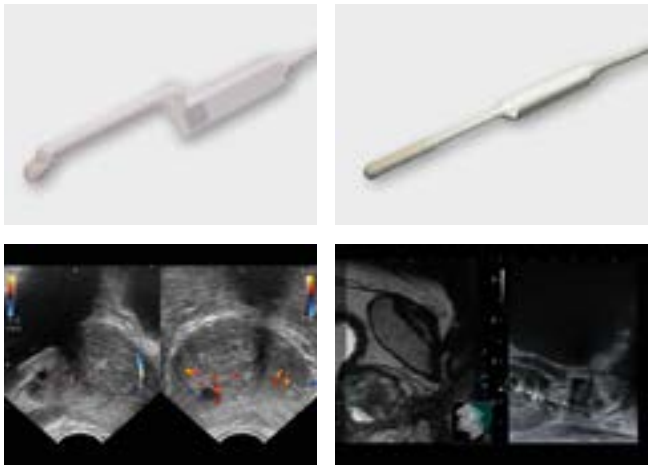
Transducer Highlights

Choose what exactly suits your examination and procedure requirements.

Biopsy – Your first choice for complex kidney interventions. The biopsy needle inserts through the probe, allowing precise position and short access to the target area at different angles.



Transrectal – 360° radial probes with a thin diameter, providing Real-time imaging in high quality, including Doppler and elastography modes.



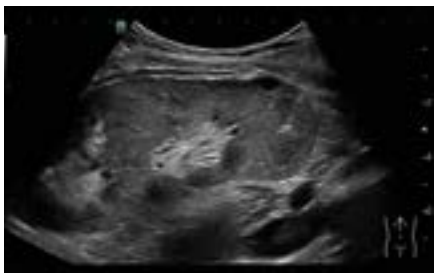
Biplane – Get precise needle guidance for both transrectal and transperineal approaches for assessment, biopsies or focal therapy.

Drop-In – Optimal in-situ usability for even the most complex kidney, prostate and liver procedures. Apply in robot-assisted, laparoscopic or open surgery.

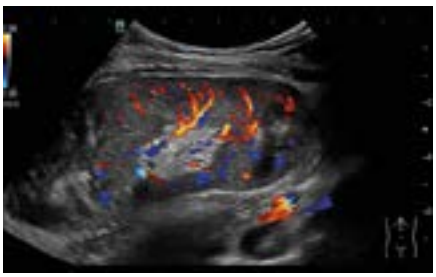
urology imaging

Highly sensitive B-mode and Colour Modes

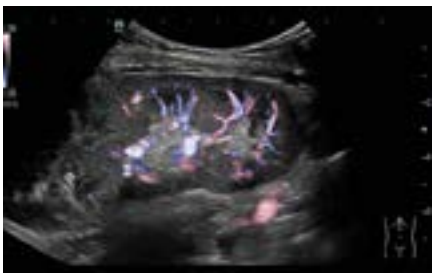
Detect, visualize and characterize suspicious areas and surrounding vessels.



Clearly see this small subcapsular renal cyst with high-quality B-mode[1]



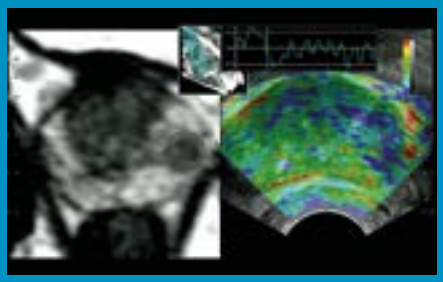
Assess vascularization of the lesion and its surrounding parenchyma using Colour Doppler[1]



Have a closer look at the microvascularization of the parenchyma with eFLOW[1]

Elastography and Contrast Imaging

Evaluate tissue and lesions for improved diagnosis and targeted biopsies.

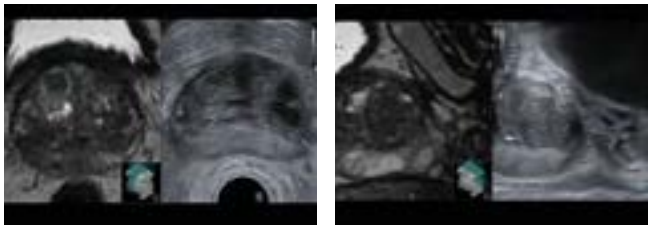


Differenciate between soft and hard tissue in the whole prostate gland on a Real-time colour map with Real-time Tissue Elastography

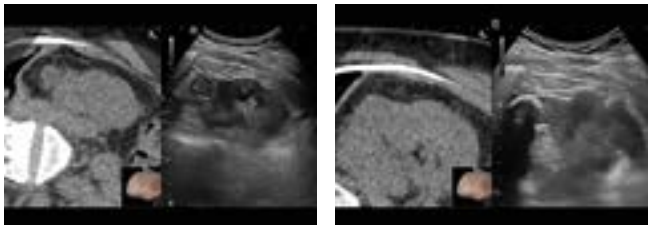
Guide the needle during kidney biopsy with Contrast Harmonic Imaging (CHI)[1]

Fusion Imaging

Combine the precise depiction of suspected areas by **MRI** or **CT** with the easiness of ultrasound guidance for biopsy and/or treatment procedures.



Precisely guide prostate biopsies by matching the ultrasound with the MRI image. Improve cancer detection rate and biopsy management in terms of time and resources



See the outer kidney structure with CT, and evaluate the inner structures in more detail with ultrasound for superior guidance of complex lesion treatment. Three needles were positioned for cryoablation of this cystic RCC (images before and after treatment)[1]

[1] With courtesy of Prof. JM Correas, Necker University Hospital (Paris, France)

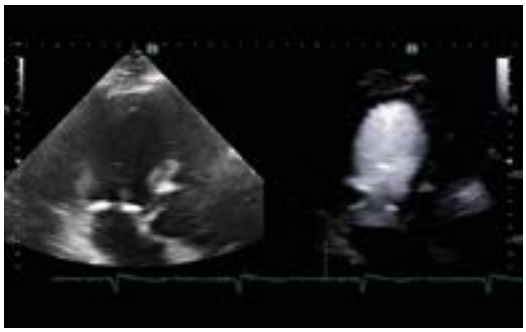
BE CONFIDENT WITH ADVANCED HEMODYNAMIC ASSESSMENTS.

Lifestyle-related cardiovascular diseases have increased in recent years, as has the quality demanded to diagnose and treat them. Solutions for early detection, risk assessment and treatment answer to today's issues of heart failure, valve problems, atherosclerosis or congenital heart defects. **Imaging is now more detailed, quantified and personalized**.

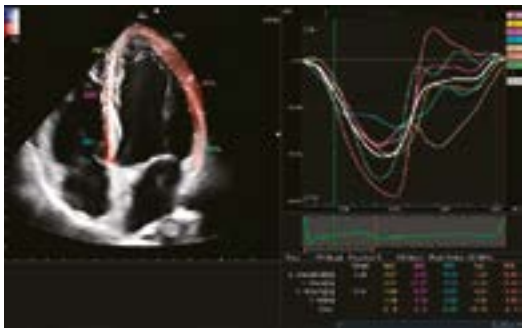
ARIETTA™ 750 Ultrasound System comes with **advanced functions** to assess the cardiovascular performance by hemo-dynamics. A heart failure package based on **AI technologies** supports your diagnosis with objective, quick data – simple steps leading to **effective performance** and improved patient care.

HDAnalytics Package

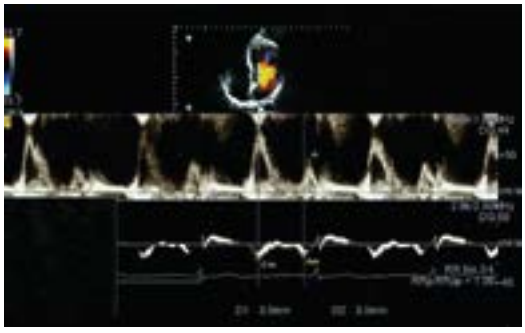
Assess heart failure risk with high quality, detailed images on cardiac hemodynamics.



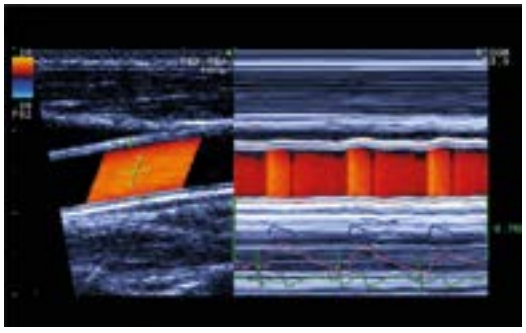
Apply a virtual contast mode to improve visualization of the endocardial border in the left ventricle with LV eFLOW



Visualize, quantify and analyze regional and global myocardial mechanics such as strain, GLS or ejection fraction automatically with i2DTT



Measure two separate sample volumes at the same time from the same heart cycle with stable R-R intervals, and get E/e' in just a few seconds with iDGD



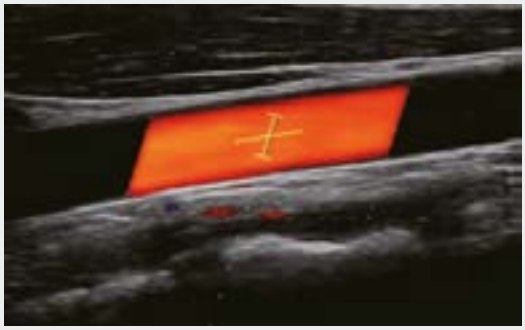
Detect early-stage atherosclerosis by Real-time data about the heart interacting with the arterial system with eTRACKING and Wave Intensity

Cardiac function measurements

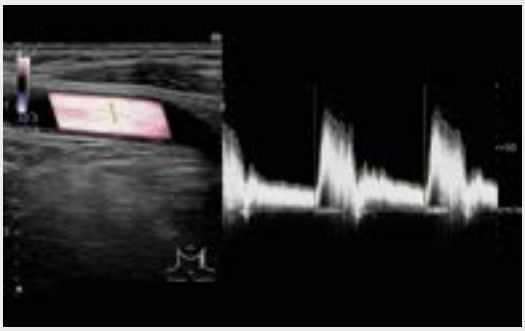
Base your decision on diagnosis and treatment on accurate, reliable measurements.

Measure the ejection fraction via M.Simpson method automatically and in real time with Eyeball EF

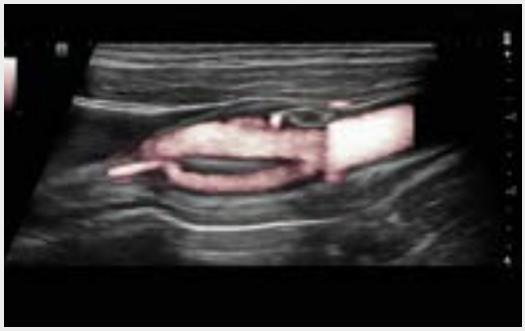
Perform Continuous Wave Doppler also with linear or convex transducers to save time



Conduct easy Doppler exams with iVascular and automated IMT measurements in vessels



Activate Carotid Doppler mode by a single click, and easily adjust velocity range and baseline position



Detect plaque in the carotid artery bifurcation with eFLOW

Manage data, analysis and diagnosis via an efficient network link with ASTRELLA CV-Linq[1] software

[1] ASTRELLA is a registered trademark or trademark of FUJIFILM Healthcare Corporation in Japan and other countries. It is a customized version of TOMTEC-ARENA, TOMTEC-ARENA is a trademark of TOMTEC Imaging Systems GmbH.

· ARIETTA, Real-time Tissue Elastography (RTE) and Real-time Virtual Sonography (RVS) are registered trademarks or trademarks of FUJIFILM Healthcare Corporation in Japan and other countries.

· This brochure may contain descriptions of optional functions and products.

· Specifications and appearance may be subject to change for improvement without notice.

· For proper use of the system, be sure to read the operating manual prior to placing it into service.

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Value from Innovation

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