



Aixplorer Ultimate

INCREASED CONFIDENCE, IMPROVED EFFICIENCY, MORE COMPREHENSIVE

SUPERSONIC
imagine

OFTEN IMITATED, NEVER EQUALLED
PROGRESS WITHOUT
COMPROMISE

Aixplorer® Ultimate is a premium ultrasound system leveraging the unique UltraFast™ technology in which the frame rate is 200 times faster than conventional ultrasound systems. Its software-based architecture has allowed SuperSonic Imagine to continuously offer innovative and increasingly efficient imaging modes, that have won over the market and inspired the competition.

Our pioneering technology, ShearWave™ Elastography, is the only technique capable of measuring non invasively tissue stiffness in a wide range of clinical applications and with all probes in real-time.

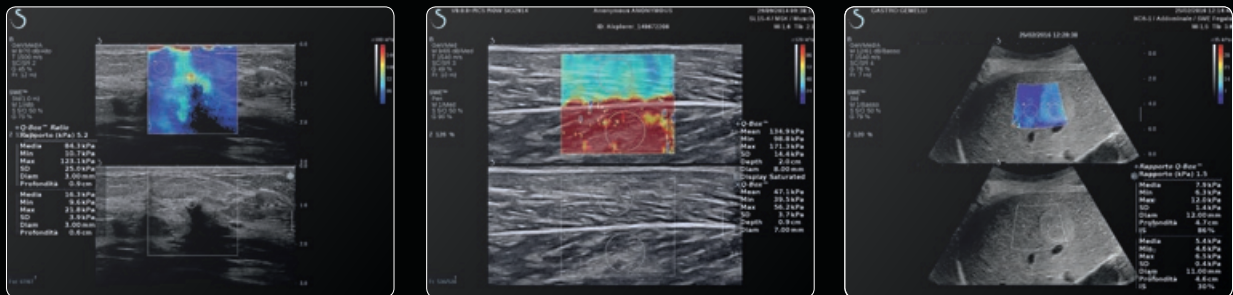
Our UltraFast technology enables us to add new features, making exams even easier, without compromise and with no loss of quality or performance in any other factors.

As a matter of fact, with Aixplorer Ultimate, you can enjoy innovation exponentially: everything works faster and even better.



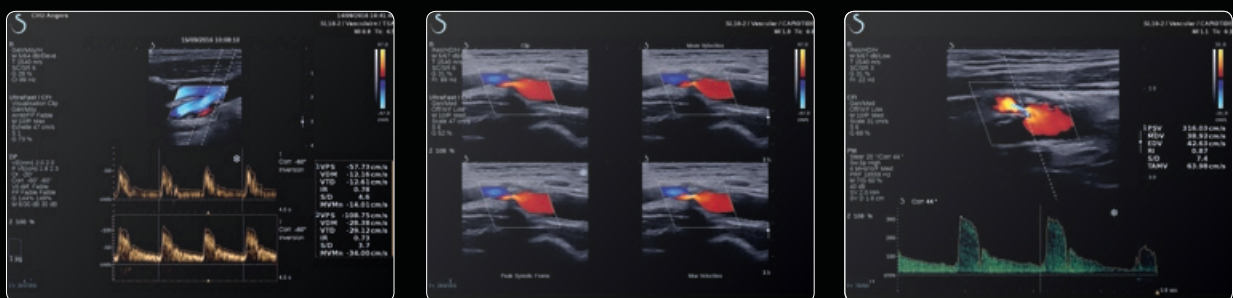
8 YEARS OF INNOVATION

ALL IN ONE ULTRASOUND SYSTEM



Real-time ShearWave™ Elastography TOUCH WITH YOUR EYES, LITERALLY

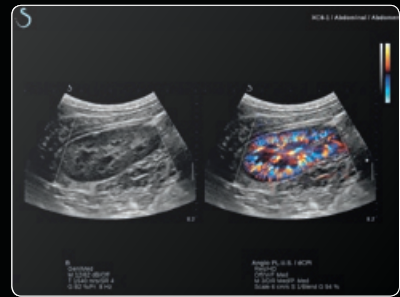
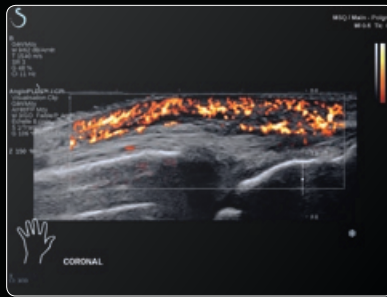
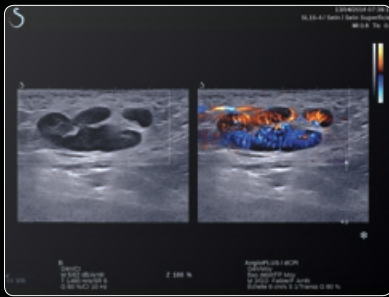
SWE™ enables you to visualize the anatomic image in a real-time manner with a superimposed color and quantitative map of tissue stiffness: a feature which has become essential in assessing the suspicious level of lesions in a wide range of pathologies, which can play a role in improving the patients' management.



UltraFast™ Doppler* FASTER, MORE RELIABLE. ESSENTIAL

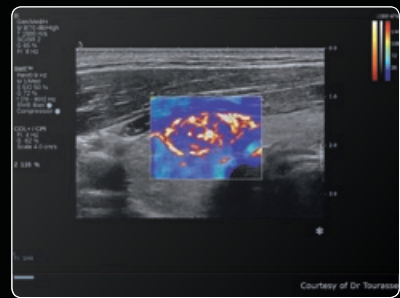
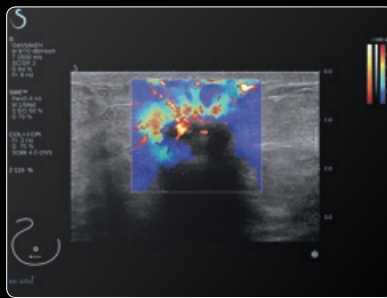
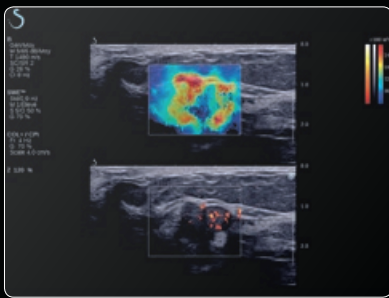
UltraFast™ Doppler combines color Doppler and pulsed Doppler. This way you can perform your measurements in the same acquisition with higher frame rates, for faster and more reliable results.

*Not cleared in the USA



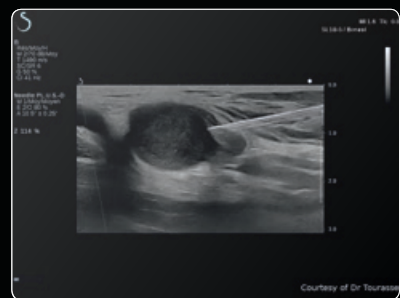
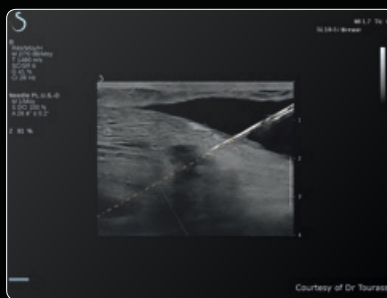
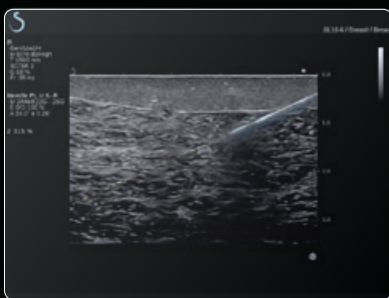
Angio PL.U.S. Planewave UltraSensitive™ imaging YOU WON'T MISS A THING

In a single click, the ultrasound system provides you with color sensitivity and unrivaled spatial resolution to image the microvascularization of lesions down to the very last detail.



TriVu IN AN INSTANT, YOU SEE IT ALL

Simultaneous imaging in real time, combining B-mode, SWE and Color+. TriVu enables you to visualize the anatomy, the function (tissue stiffness) and the blood flow on the same image, simultaneously. Yes, 3 types of diagnostic information in one single acquisition, making it both faster and more reliable.



Needle PL.U.S. *Only on Aixplorer Ultimate* ENJOY STATE-OF-THE-ART PRECISION

The latest innovation and exclusively available on Aixplorer Ultimate, Needle PL.U.S. enables you to visualize biopsy needles in real time with unrivaled precision, and also predict where the needle is supposed to go. You save time, gain in comfort and reliability.

U L T I M A T E

BECAUSE THE LATEST
INNOVATIONS
ARE IN YOUR POSSESSION

REFINED DESIGN, OPTIMIZED EXPERIENCE

The Ultimate version has a new look and a new user interface: more subtle and simple. Its ease-of-use has been greatly improved, particularly after prolonged periods of use: less visual and muscular fatigue, greater efficiency.

STRETCH THE LIMITS OF PERFORMANCE

With increased computation power, more than 4.5 times faster and 20% more energy-efficient, images, calculations become faster and smoother.

DON'T WASTE ANY MORE OF YOUR TIME: SCAN

Aixplorer Ultimate now includes a barcode scanner for patient information input and prevents manual errors. The patient is automatically identified in a single beep.

FUSION AND NAVIGATION: TRY THE MULTI-MODAL MODE

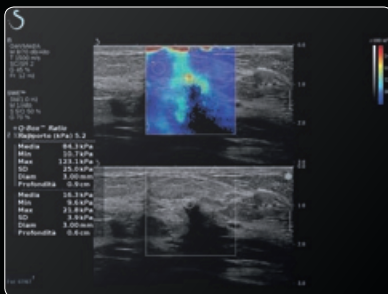
Fusion and navigation enable the real-time superposition of the on-going ultrasound exam onto images with other volumetric datasets, particularly those produced by cross-sectional imaging modes like CT, MR and PET. SuperSonic Imagine's multi-modal imaging is easy to use and compatible with exclusive modes including real-time SWE, Angio PL.U.S., TriVu and now Needle PL.U.S.



IF YOU STILL NEED MORE PROOF WE'VE GOT MORE THAN 400

ShearWave Elastography (SWE™) has been the subject of more than 400 clinical studies, which have appeared in as many publications, demonstrating its utility in diagnosing multiple pathologies. Its efficiency has been recognized in a wide range of clinical applications including breast, liver, prostate, thyroid and more. With its precision in the measurement of tissue stiffness, Aixplorer Ultimate has demonstrated its ability to improve the characterization of lesions. In addition to SWE, Aixplorer Ultimate is a complete ultrasound system which embeds all the conventional modes of imaging while incorporating new innovative modes, for all clinical applications to help you with your everyday diagnoses.

The list of publications is available on the site supersonicimagine.com



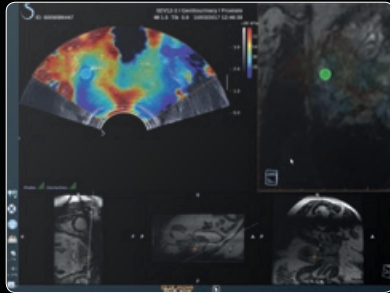
BREAST HELPS TO REDUCE THE NUMBER OF NEGATIVE BIOPSIES

The advantages of ShearWave Elastography in diagnosing breast lesions have been demonstrated in more than 100 publications, including an international study of more than 1,600 female patients. Combining this technology with conventional ultrasound imaging ensures more precise diagnosis and, as a result, significantly reduces the number of false positive results. In addition to SWE, Aixplorer Ultimate offers a complete, efficient and innovative ultrasound solution for breast examinations.



LIVER ASSESSING FIBROSIS LEVELS WITHOUT BIOPSIES

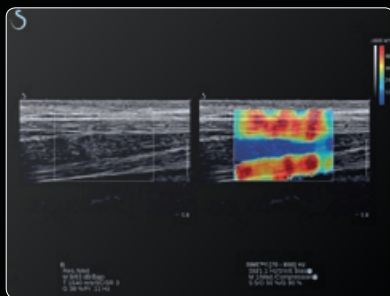
With SWE, you can estimate liver stiffness in a single acquisition, a key factor in assessing the severity of liver fibrosis. More than 100 international publications agree on how reliable and efficient our technology is in this area. A multi-centric study of 1,134 patients, published in Hepatology Review, further confirms SWE's contribution in the non-invasive assessment of hepatic fibrosis. Our complete ultrasound solution provides access to all the conventional modes used for abdominal imaging and also enables you to assess the level of hepatic steatosis.



PROSTATE

EFFECTIVE GUIDANCE FOR BIOPSIES

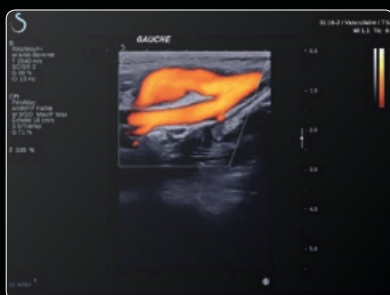
Clinical studies show that ShearWave Elastography considerably increases efficiency in targeting prostate biopsies carried out using ultrasound guidance. ShearWave Elastography's color mapping helps physicians to target samples and to limit their number and can prove useful as part of therapeutic monitoring.



MUSCLES AND TENDONS

FUNCTIONAL IMAGING OF THE MUSCLE

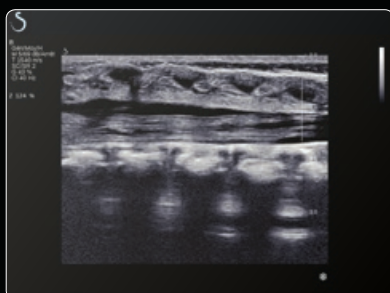
Aixplorer offers unrivaled image quality of muscles, tendons, ligaments and joints. ShearWave™ Elastography enables you to visualize and measure tissue stiffness (up to 800 kPa or 16,3 m/s) in real time. This is particularly useful for monitoring tendinopathies and for measuring muscular load, through real-time visualization of the anatomic and functional image of the muscle when exerted. The innovative Angio PL.U.S. and Needle PL.U.S. modes are also very useful for diagnosing and treating muscles and tendons conditions.



VASCULAR

SIMULTANEOUS FLOW QUANTIFICATION AND IMAGING

UltraFast™ technology has enabled the development of new imaging modes for more efficient, more precise and quicker vascular exams. For example, measuring the pulse wave velocity (PWV) can be used as a tool for early detection of signs of atherosclerosis and changes to arterial elasticity.



PEDIATRICS

FAST EXAMS ADAPTED FOR CHILDREN

UltraFast technology is particularly well-suited and efficient for pediatric imaging. Specialists appreciate the quick and precise nature of exams.



SUPERTRANSDUCER®

THE EXTENSION OF YOUR
HAND, NATURALLY

With very high-level performances, in terms of signal penetration, resolution and contrast, the SuperTransducer probe family is perfectly suited for all the technical features and demands of Aixplorer Ultimate. It makes use of a revolutionary technology which guarantees both optimum sensitivity and a particularly large bandwidth of frequency. The probes are the only one that can emit a string of successive focused pulses at a supersonic speed and generate a Mach cone.



CUSTOMER SERVICE AND
CLINICAL EXPERTISE
YOU'LL NEVER BE ON YOUR OWN

Our team of medical and technical specialist is here to address the help you need: on-site visits, call centers, training centers or logistics networks. Our customizable SonicCare™ service contracts can be adjusted depending on your individual or institutional needs and offer a suitable, flexible solution to meet all the requirements of your daily practice.

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Indications for Use: The SuperSonic Imagine AIXPLORER® ultrasound system is intended for general purpose pulse echo ultrasound imaging, Doppler fluid flow analysis of the human body, and tissue elasticity imaging of soft tissues. The AIXPLORER® ultrasound system is indicated for use in the following applications: Abdominal, Small Organs, Musculoskeletal, Vascular, OB-GYN, Pelvic, Pediatric, Trans-rectal, Trans-vaginal, Urology, Neonatal/Adult Cephalic and Non-invasive Cardiac. It is intended for use by a licensed personnel qualified to direct the use of the medical ultrasound devices. CE certificate no. 26415, FDA approved - K171105.

