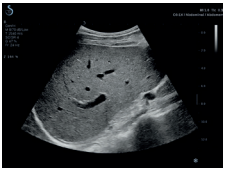
SUPERSONIC imagine

DESIGNED TO BE THE NEW STANDARD

Introducing the new cutting edge ultrasound platform, Aixplorer MACH 30

+ Image quality redefined
+ Ergonomics and simplicity reinvented
+ Breakthroughs in clinical excellence

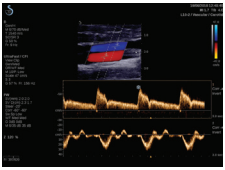


SONICPURE

Leveraging proprietary software architecture results in genuine diagnostic B-mode information.

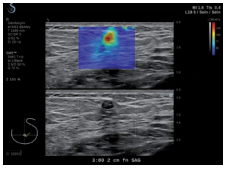
SONICPAD®

Multitouch trackpad, pioneered by SuperSonic Imagine, contributes to enhanced workflow, significant decrease in user movement and exam time reduction.



ULTRAFAST™ IMAGING

Enabling the development of innovative imaging modes such as UltraFast Doppler, Angio PL.U.S. and TriVu to address a broad spectrum of clinical challenges.



SHEARWAVE™ PLUS

The next generation of ShearWave elastography, SWE™ PLUS, delivers substantial advancements in elastography parameters: larger SWE Box, increased SWE frame rates, accelerated SWE box filling and enhanced penetration.

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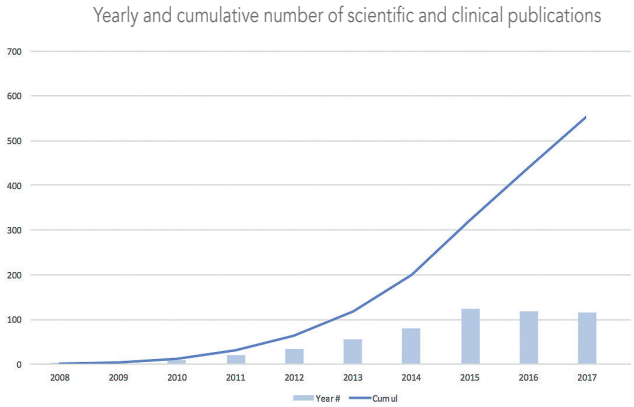
SUPERSONIC imagine

Over the last 10 years, SuperSonic Imagine has continued to turn **technological innovation into clinical value.**



"[…] not only has SWE been proven useful for the diagnosis of breast cancer, but has also been shown to provide valuable information that can be used as a preoperative predictor of the prognosis or response to chemotherapy."

Shear-wave elastography in breast ultrasonography: the state of the art. Youk JH, Gweon HM, Son EJ. Ultrasonography. *2017 Oct;36(4):300-309.*

"[…] up to 79% (752 of 953) of false-positive findings, unnecessary biopsies, and short-term follow-ups for non-malignant lesions can then be avoided without missing cancers."

Evaluation of Screening US-detected Breast Masses by Combined Use of Elastography and Color Doppler US with B-Mode US in Women with Dense Breasts: A Multicenter Prospective Study. Lee SH et al. Radiology. *2017 Nov;285(2):660-669.*

"SWE can be used to non-invasively detect the presence of significant liver fibrosis […] in pediatric patients with non-alcoholic fatty liver disease."

Liver Stiffness in Pediatric Patients with Fatty Liver Disease: Diagnostic Accuracy and Reproducibility of Shear-Wave Elastography. Garcovich M et al. Radiology. *2017 Jun;283(3):820-827.*

"To our knowledge, […] Supersonic Shear wave Imaging […] is the current state of the art in ultrasound elastography because it provides real-time, quantitative, and accurate imaging of tissue stiffness."

Assessment of the mechanical properties of the muscle-tendon unit by supersonic shear wave imaging elastography: a review. Lima KMME et al. Ultrasonography. *2018 Jan;37(1):3-15.*

Indications for Use: The SuperSonic Imagine Aixplorer MACH® 30 ultrasound diagnostic system and transducers are intended for general purpose pulse echo ultrasound imaging, Doppler fluid flow analysis of the human body, and soft tissue elasticity imaging. The Aixplorer MACH® 30 ultrasound diagnostic system is indicated for use in the following applications, for imaging and measurement of anatomical structures: Abdominal, Small Organs, Musculoskeletal, Superficial Musculoskeletal, Vascular, Peripheral Vascular, OB-GYN, Pelvic, Pediatric, Trans-rectal, Trans-vaginal, Urology, Neonatal/Adult Cephalic and Non-invasive Cardiac. In addition, the SuperSonic Imagine Aixplorer MACH® 30 ultrasound diagnostic system and associated transducers are intended for: measurements of abdominal anatomical structures; measurements of broadband shear wave speed, and tissue stiffness in internal structures of the liver and the spleen; measurements of brightness ratio between liver and kidney; visualization of abdominal vascularization, microvascularization and perfusion; quantification of abdominal vascularization and perfusion. The shear wave speed and stiffness measurements, the brightness ratio, the visualization of vascularization, microvascularization and perfusion, the quantification of vascularization and perfusion may be used as an aid to clinical management of adult and pediatric patients with liver disease.

It is intended for use by a licensed personnel qualified to direct the use of the medical ultrasound devices. CE certificate no. 26415, FDA cleared K180572.