



THE NEXT GENERATION SOLUTION FOR MANAGEMENT OF PATIENTS WITH CHRONIC LIVER DISEASE

Aixplorer MACH 30 HEPATO — powered by unique UltraFast™ technology offers:

- + Non-invasive and reliable evaluation of liver fibrosis severity with elastography ShearWave PLUS
- + Assessment of hepatic steatosis using B-mode ratio

1-minute exam | 1 probe for all patients |

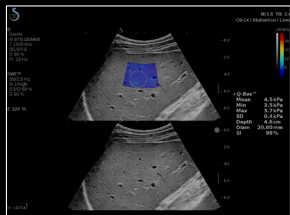
1 ShearWave PLUS acquisition = More than 500 measure points* |

98.1% success rate** | Enhanced workflow | Optimized reporting

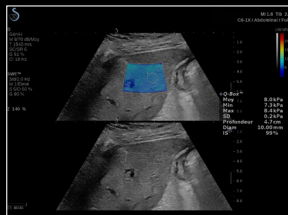
* AASLD and EASL guidelines recommend 3 acquisitions. **Comparison of 2-D Shear Wave Elastography and Transient Elastography for Assessing Liver Fibrosis in Chronic Hepatitis B. Zeng, Jie et al. Ultrasound in Medicine and Biology, Volume 43, Issue 8, 1563 - 1570.

THE ULTRASOUND IMAGING DEVICE ENDORSED BY THE LARGEST NUMBER OF CLINICAL PUBLICATIONS

No Fibrosis: SWE 4.5 kPa



F2: SWE 8.0 kPa

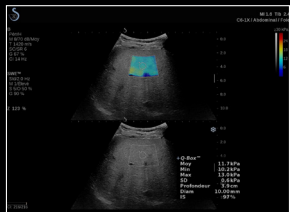


Superior diagnosis of hepatic fibrosis

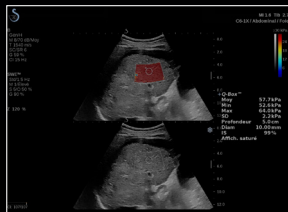
Liver Fibrosis with Two-dimensional US Shear-Wave Elastography in Participants with Chronic Hepatitis B: A Prospective Multicenter Study. Gao Y et al. *Radiology*. 2018 Jul 24;172479. doi: 10.1148/radiol.2018172479.

Assessment of biopsy-proven liver fibrosis by two-dimensional shear wave elastography: An individual patient data-based meta-analysis. Herrmann E et al. *Hepatology*. 2018 Jan;67(1):260-272.

F3: SWE 11.7 kPa



F4: SWE 57.7 kPa



Diagnostic superiority for non-invasive detection of significant fibrosis in NAFLD/NASH patients

Liver stiffness in nonalcoholic fatty liver disease: A comparison of supersonic shear imaging, FibroScan, and ARFI with liver biopsy. Cassinotto C et al. *Hepatology*. 2016 Jun;63(6):1817-27.

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.

Up to 80% of liver biopsies avoided in patients with inactive chronic HBV infection

Liver Fibrosis with Two-dimensional US Shear-Wave Elastography in Participants with Chronic Hepatitis B: A Prospective Multicenter Study. Gao Y et al. *Radiology*. 2018 Jul 24;172479. doi: 10.1148/radiol.2018172479.

Artificial intelligence and SWE images: an alternative to liver biopsy

Deep learning Radiomics of shear wave elastography significantly improved diagnostic performance for assessing liver fibrosis in chronic hepatitis B: a prospective multicentre study. Wang K et al. *Gut*. 2018 May 5. pii: gutjnl-2018-316204. doi: 10.1136/gutjnl-2018-316204

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 licensed personnel qualified to direct the use of the medical ultrasound devices. CE certificate no. 26415, FDA cleared K180572. MKG.EC.283 © SuperSonic Imagine – April 2019