



Multichannel image-guided Transient Elastography (MigTE)

FH9000

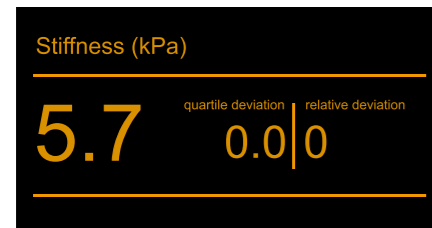
**Shear Wave Quantificational Ultrasound
Diagnostic System**

Non-Invasive, Quantitative Liver Assessment

Innovation Based On Transient Elastography

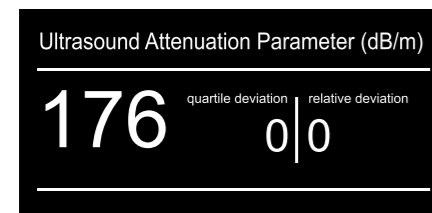
MigTE —Multichannel image guided Transient Elastography

HISKY pioneers interactive technology of image integration and intelligent fusion, which achieves integration of multichannel image guidance and elasticity measurement, multidimensional and contrast imaging, enabling rapid assessment of liver tissue morphology, liver stiffness measurement and ultrasound attenuation parameter measurement.



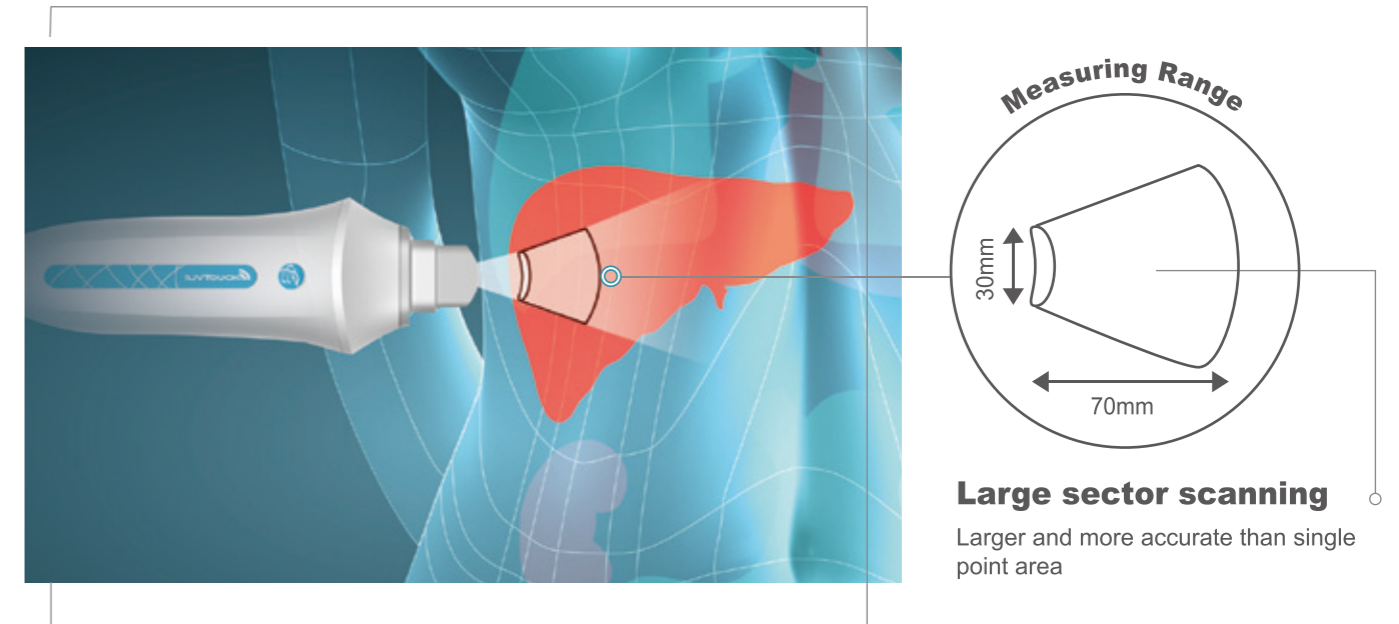
Liver Stiffness Measurement (LSM)

- The system uses controlled low-frequency shear wave to vibrate the liver.
- The high-frequency ultrafast ultrasound is used to track the propagation process of the shear wave.
- Liver stiffness value is derived from optimized scientific algorithms (elasticity modulus).



Ultrasound Attenuation Parameter (UAP)

- Fat droplets accumulate in hepatocytes of fatty liver, which have obvious effect on ultrasonic scattering. The severer the steatosis, the severer the ultrasonic scattering, the greater the ultrasound attenuation.
- Ultrasound attenuation increases when hepatic steatosis gets severe. The more steatosis in the liver, the higher UAP value will be.



Detection Sample volume **30cm³***

Liver tissue sample volume is **1,000** times bigger than that of liver biopsy.

Real-time observation of liver location. What you see is what you measure.

Simultaneous measurement of LSM and UAP.

Clinical Indications

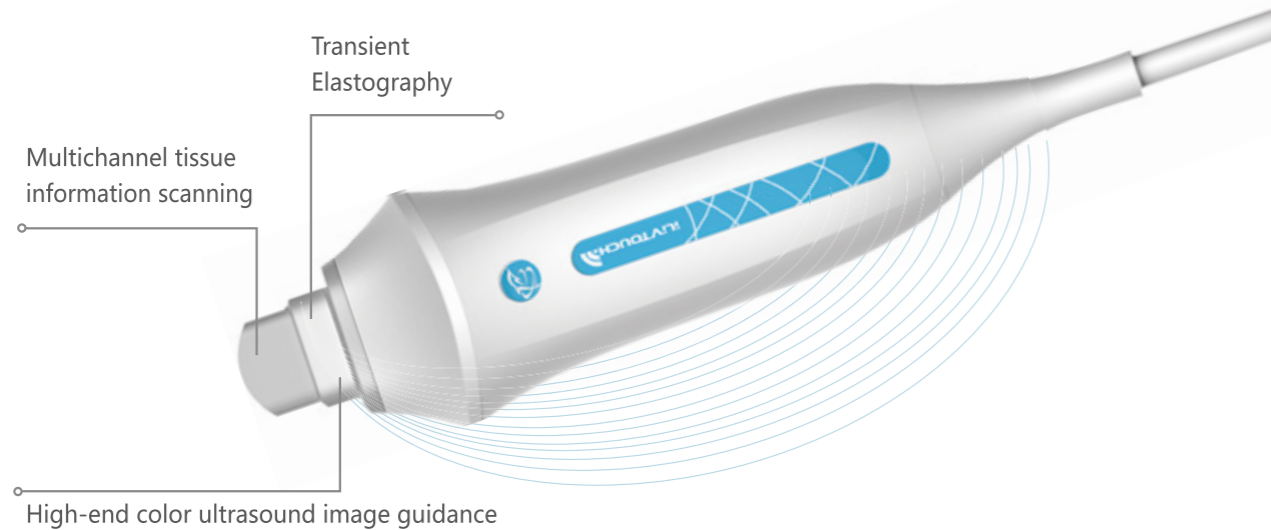
iLivTouch® can be used for screening, detection, auxiliary diagnosis and tracking of the following diseases:

- ✓ Non-alcoholic fatty liver disease
- ✓ Chronic hepatitis B
- ✓ Drug-induced liver injury
- ✓ Biliary tract disease
- ✓ Alcoholic liver disease
- ✓ Chronic hepatitis C
- ✓ Autoimmune liver disease

* Based on the research data of Tsinghua University Laboratory of HISKY

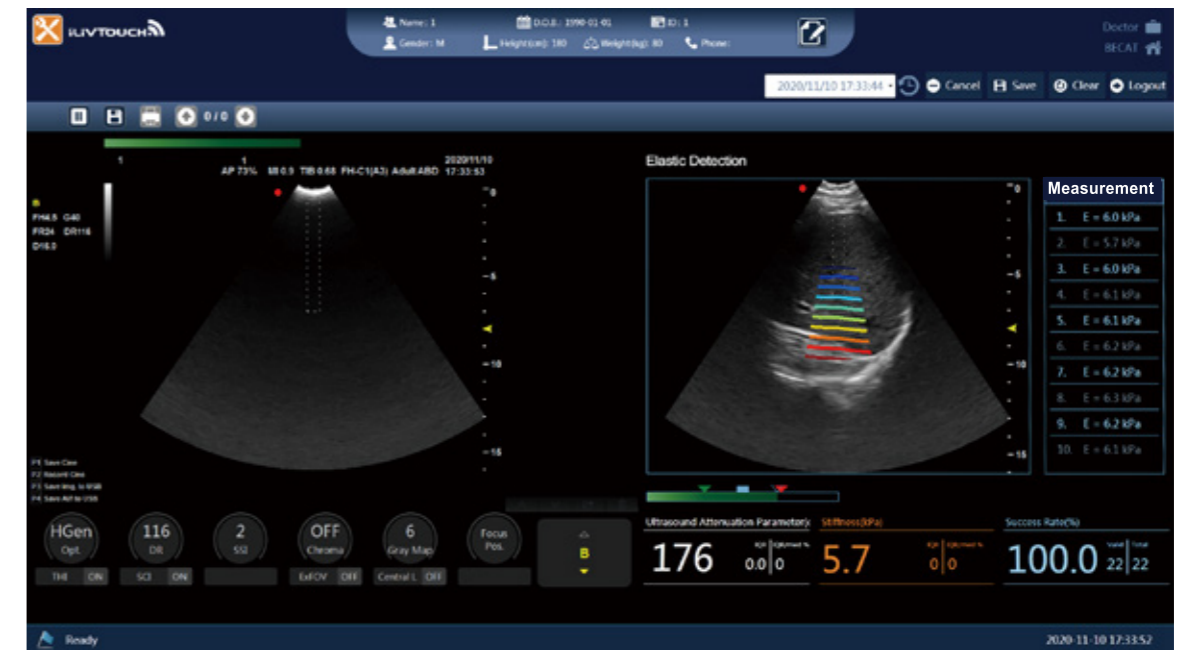
1 Multi-Mode Fusion Probe

- The same probe realizes ultrasound imaging and measurement of liver stiffness and UAP.
- Accurate synchronization of ultrasound imaging and elasticity measurement.
- Easy to use, no need to switch mode.
- Real-time observation of liver location What you see is what you measure. It reduces human errors and improves the accuracy of positioning and measurement.



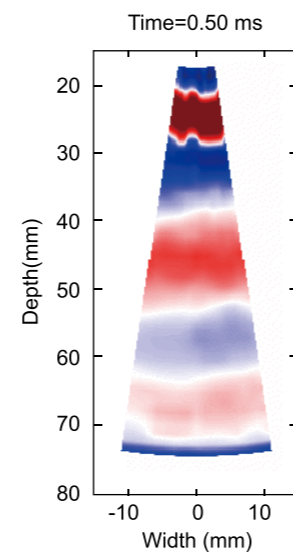
3 Dual Display Of Multiple Results On One Screen

- Liver tissue morphology and liver elasticity measurement are displayed on the same screen.
- LSM and UAP results are displayed on the same screen.



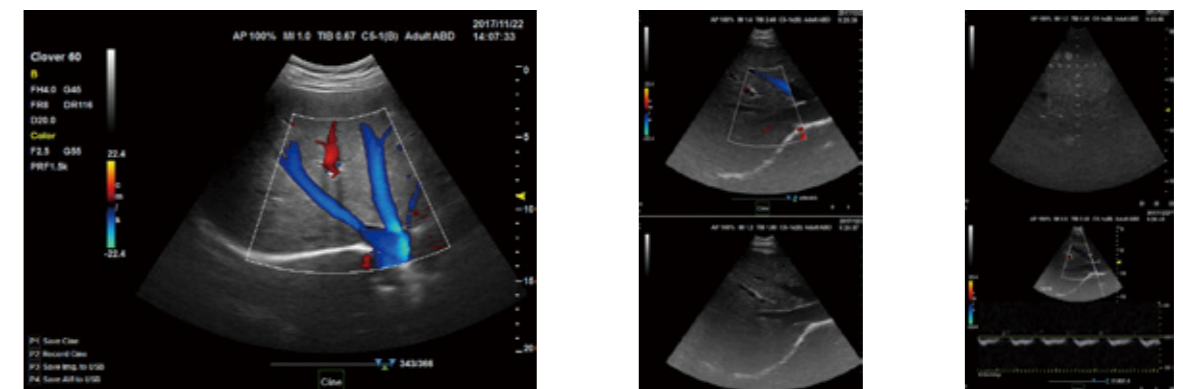
2 Multichannel Tissue Information Scanning

- Multichannel and large-scale tissue information reconstruction, detection sample volume is 30cm³.
- It breaks the sampling limit of traditional single point detection, significantly improves the efficiency of signal acquisition and avoids sample error.
- The measurement results are more stable and accurate.
- Support display of 2D image information.
- Support subcutaneous fat thickness measurement.



4 High-End Color Doppler Ultrasound Assists In Diagnosis

- High-resolution ultrasound image.
- Support ultrasound examination of abdomen, e.g. liver, pancreas, spleen, kidney, etc.
- Support ultrasound examination of small parts, superficial organs, cardiology, etc.(Option).



Ergonomic Design



Applied Technology	Multichannel image guided Transient Elastography (Mig-TE), 2D imaging technology
Examination Method	Probe touch detection
Data Processing	Optimized scientific algorithms
Convex probe	Scanning depth ≥160mm, real-time transmitting and receiving ultrasonic wave
Fibrosis Scanning Probe	Dynamic wideband frequency, real-time transmitting and receiving ultrasonic waves, controlled low-frequency shear wave
Functions	Liver Stiffness Measurement (LSM) Ultrasound Attenuation Parameter (UAP)
Hardware	Assessment of liver tissue morphology by color doppler ultrasound 21.5" Professional medical high-resolution broadband LCD monitor 12.1" HD high-sensitivity touch screen ≥256G SSD 4xUSB 2.0 ports RJ45 port Control panel Foot switch
Power	AC power, 220V±10%, 50Hz
Dimensions	120cmL×69cmW×155cmH
Net Weight	100kg

