

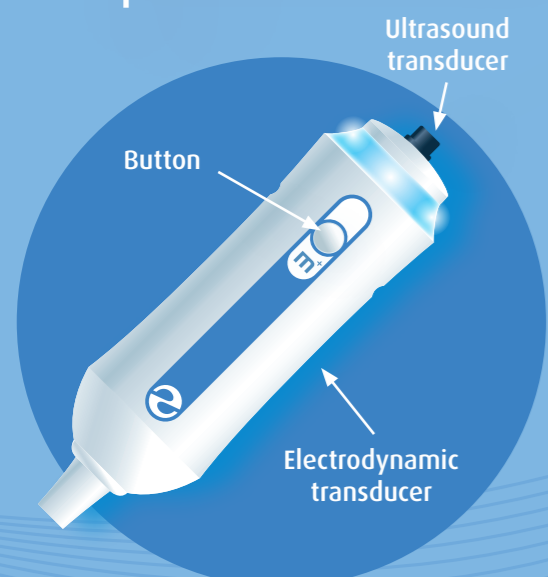
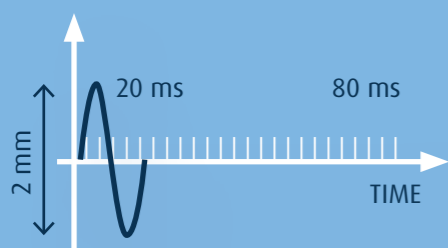
# Sharing INNOVATIVE technology

## USE THE FIRST-IN-CLASS ELASTOGRAPHY

Based on patented Vibration-Controlled Transient Elastography (VCTE™), FibroScan® 502 provides multiple controls for reliable, accurate and reproducible assessment of liver tissue stiffness: CONTROLLED VIBRATION, CONTROLLED ENERGY, CONTROLLED ALGORITHM.

POWERED BY **VCTE™**

### CONTROLLED VIBRATION



- A custom-designed ergonomic transducer generates a controlled vibration which induces a mechanical shear wave with consistent frequency and energy
- Static force is monitored in real time to prevent wave distortions
- Shear wave center frequency is 50Hz

### CONTROLLED ENERGY

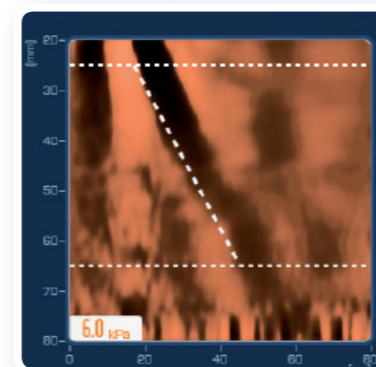
- Propagation of the mechanical shear wave through the skin and liver tissues is measured using low energy 3.5 MHz ultrasound
- Large explored volume 3 cm<sup>3</sup> (at least 100 times more than a biopsy)
- Measurement depths from 15 to 75 mm depending on probe

### CONTROLLED ALGORITHM

	CAP (dB/m)	E (kPa)	
IGR	MEDIAN	MEDIAN	IGR
41	177	8.1	1.8
IGR/med.			IGR/med.
23 %			22 %

- VCTE™ guidance process ensures the operator obtains measurements of the liver
- A sophisticated algorithm computes liver stiffness and ultrasound attenuation
- A quality controlled calculation is performed automatically, the algorithm selects the valid measurements

### Stiffness (E)



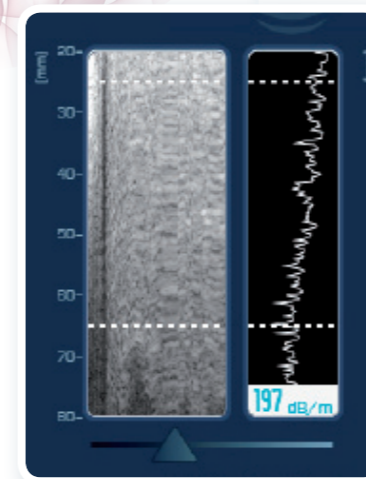
- Stiffness is computed from the ELASTOGRAM
- The Elastogram is a GRAPHIC REPRESENTATION of the shear wave propagation as a function of time and depth
- The Young's Modulus (E) is expressed in KILOPASCAL (kPa)

Explored volume with **m+** Probe

3 CM<sup>3</sup>

- **At least 100 TIMES LARGER** than with a liver biopsy
- **Both Stiffness and CAP™ are simultaneously measured** IN THE SAME LIVER VOLUME
- **Stiffness & CAP™ results are the MEDIAN** of 10 valid measurements

### Controlled Attenuation Parameter (CAP™) NEW



- CAP™ is computed from ULTRASOUNDS acquired for stiffness measurement
- CAP™ IS ONLY CALCULATED if the acquisition of stiffness is VALID
- CAP™ is expressed in DECIBEL PER METER (dB/m)

FIBROSIS

STEATOSIS