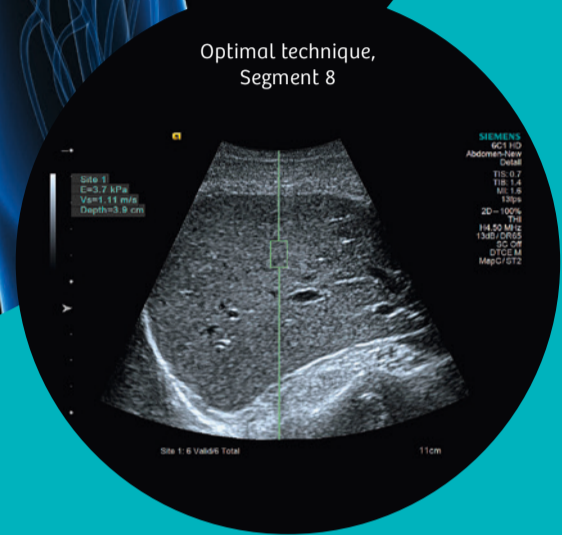


Improve Diagnostic Confidence in Liver Health



Liver assessment using gray scale ultrasound findings alone can be difficult. Remove subjectivity to improve diagnostic confidence by displaying quantitative tissue stiffness properties using Virtual Touch™ imaging technology.

The degree of tissue stiffness has been shown to correlate with the progression of liver fibrosis.

Acoustic Radiation Force Impulse (ARFI) imaging values as predictor of tissue stiffness



Barr, et.al. Elastography Assessment of Liver Fibrosis: Society of Radiologists in Ultrasound Consensus Statement. Radiology 2015 Sep 16;276(3):845-61

Technique:

- Fasted patient lies in a slight left lateral decubitus position
- Place ROI optimally:
 - 4–6 cm deep (and at least 2–3 cm below and perpendicular to the liver capsule)
 - Within segment 5 or 8 of the liver
- Instruct patient to maintain shallow, brief breath hold
- Obtain 10 measurements at the same site
 - a. At least 6/10 of measurements should be “valid” as indicated on the bottom of the screen, as seen here **Site 1: 0 Valid/0 Total**
 - b. IQR / Median ratio of ≤ 0.3 is the recommended quality control measure for adequate technical quality (as calculated on the report page **IQR/Median**)

For more information, please visit www.siemens.com/ultrasound or contact your local Siemens sales representative.