

Transient Elastography of the Liver

Ultrasound-based
assessment of liver
stiffness
(results are in kPa)

Used to monitor
liver fibrosis

METAVIR Score
(histopathologic scoring system)
*The kPa cutoffs depend on the
cause of liver pathology*



Overestimated by
Acute hepatitis
Extrahepatic cholestasis
Heart failure
Food intake within 2-3 hrs
↑ alcohol intake

Difficult to interpret in
BMI >30
Ascites

**Next
step**

Use with laboratory evaluation, clinical assessment and other non-invasive assessment of fibrosis (such as FIB-4, APRI) to determine risk for advanced fibrosis or cirrhosis



1. European Association for Study of Liver; Asociacion Latinoamericana para el Estudio del Hgado. EASL-ALEH Clinical Practice Guidelines: Non-invasive tests for evaluation of liver disease severity and prognosis. J Hepatol. 2015 Jul;63(1):237-64.
2. Lim JK, Flamm SL, Singh S, Falck-Ytter YT; Clinical Guidelines Committee of the American Gastroenterological Association. American Gastroenterological Association Institute Guideline on the Role of Elastography in the Evaluation of Liver Fibrosis. Gastroenterology. 2017 May;152(6):1536-1543.

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