

US ABDOMEN COMPLETE WITH ELASTOGRAPHY

Collected on May 05, 2025 8:22 AM

Your liver elastography test shows hepatic steatosis (fatty liver) -- however, it could also represent early cirrhosis. The degree of liver fibrosis is significant. I think it is important to avoid all alcohol moving forward -- this is the best thing you can do for your liver to preserve its function.

There was also an incidental finding of a cystic structure adjacent to your bladder -- if you are symptomatic (any urinary symptoms eg incomplete emptying, urinary tract infections) then we should further evaluate. Otherwise, I think we can watch.

Results

Impression

1. The liver is diffusely echogenic, a nonspecific finding most frequently seen in patients with steatosis, however, could also represent mild changes of cirrhosis.
2. Evidence of fibrosis (F2-3).
3. Cystic structure adjacent to the bladder may be a large diverticula, however, nonspecific. Could be further characterized with contrast-enhanced pelvic CT or MRI, as clinically indicated.

(Reference: Barr RG, Ferraioli G, Palmeri M, et al. Elastography Assessment of Liver Fibrosis: Society of Radiologists in Ultrasound Consensus Conference Statement. Radiology 2015;276(3):845-861)

Narrative

CLINICAL HISTORY: Transaminitis; Fatty liver

COMPARISON: None.

TECHNIQUE: Grayscale diagnostic ultrasound images of the abdomen were performed. Color Doppler imaging of the portal vein. Liver stiffness values were obtained using a real-time 2D-SWE technique (Philips ElastQ) with a quality measure according to the SRU protocol.

FINDINGS:

Liver: Coarsened and echogenic hepatic echotexture without focal mass. Color Doppler portal vein images demonstrate normal direction of flow.

Gallbladder: Normal. No stone, wall thickening, or pericholecystic fluid.

Bile ducts: No biliary ductal dilatation. The extrahepatic bile duct measures 4 mm.

Right kidney: 10.2 cm. Normal cortical thickness and echotexture. No hydronephrosis.

Left kidney: 12.7 cm. Normal cortical thickness and echotexture. No hydronephrosis.

Spleen: Enlarged, 16.1 cm.

Pancreas: Normal.

Aorta and IVC: Normal.

Bladder volume of 132 mm. Adjacent cystic structure.

ELASTOGRAPHY FINDINGS:

Median Liver Stiffness (ARFI): 1.91 m/s (11.05 kPa)

IQR/Median stiffness: 0.15 (Values less than 0.3 are generally considered of good quality; values greater than 0.3 may not be reproducible)

NOTE: The degree of liver fibrosis may be overestimated in the setting of congestive heart failure, extrahepatic cholestasis, acute on chronic liver disease, obesity, and insufficient fasting.

REFERENCE VALUES (Consensus Threshold in Patients with Hepatitis C):

No Clinically Significant Fibrosis [METAVIR Stage \leq F2]: <1.37 m/s (<5.7 kPa)

Advanced Fibrosis [METAVIR Stage of F4 and some stages of F3]: >2.2 m/s (>15 kPa)



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