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detecting moderate to advanced brosis and cirrhosis. e results of TE are expressed in kilopascals (kPa), with higher values corresponding to more advanced stages of brosis. TE has been extensively validated and is widely used in the assessment of liver brosis in patients with NAFLD and NASH. However, its accuracy can be a ected by factors such as obesity, the presence of ascites, and technical limitations in patients with high body mass index (BMI) [4].

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Elastography in Liver Fibrosis Assessment

Elastography refers to a group of imaging techniques that measure liver sti ness, which correlates with the degree of brosis. As brotic tissue is sti er than normal liver parenchyma, elastography can quantitatively assess the extent of brosis by evaluating the mechanical properties of the liver. e two primary elastographic techniques used in the assessment of liver brosis are transient elastography (TE) and magnetic resonance elastography (MRE).

Transient Elastography (TE)

Transient elastography (TE), commonly known by its brand name FibroScan, is a widely used and established technique for assessing liver sti ness. TE uses a low-frequency elastic wave to measure the velocity at which the wave propagates through the liver. e speed of the wave is directly related to liver sti ness; faster wave propagation indicates sti er liver tissue, which is indicative of more advanced brosis [3]. TE is a non-invasive, rapid, and easy-to-perform procedure, making it highly suitable for routine clinical use. It is particularly e ective in

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Nonalcoholic ste

nonalcoholic fatty liver disease Nacharacterized by hepatic

management of N&Hs article eplores the role of elastography in the radiological monitoring of liver brosis in N&Hocgbwith the riskof developing cirrhos portal hypertension, variceal bleeding, and hepatocellular carcinoma. Early identication of liver brosis allows for appropriate management strategies aimed at halting or reversing disease progression.erefore, accurate and reliable methods to assess liver brosis are critical for optimizing treatment and improving patient outcomes P