## **Siemens Healthineers**

Presenters:

Adam Borden Katherine Soreng Melanie Pollan

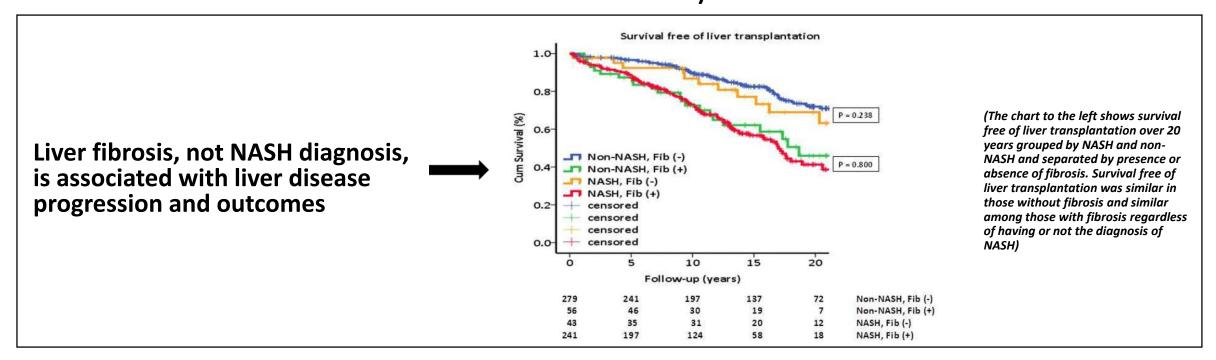
Code: 0014M

**Code Descriptor:** Liver disease, analysis of 3 biomarkers (hyaluronic acid [HA], procollagen III amino terminal peptide [PIIINP], tissue inhibitor of metalloproteinase 1 [TIMP-1]), using immunoassays, utilizing serum, prognostic algorithm reported as a risk score and risk of liver fibrosis and liver-related clinical events within 5 years

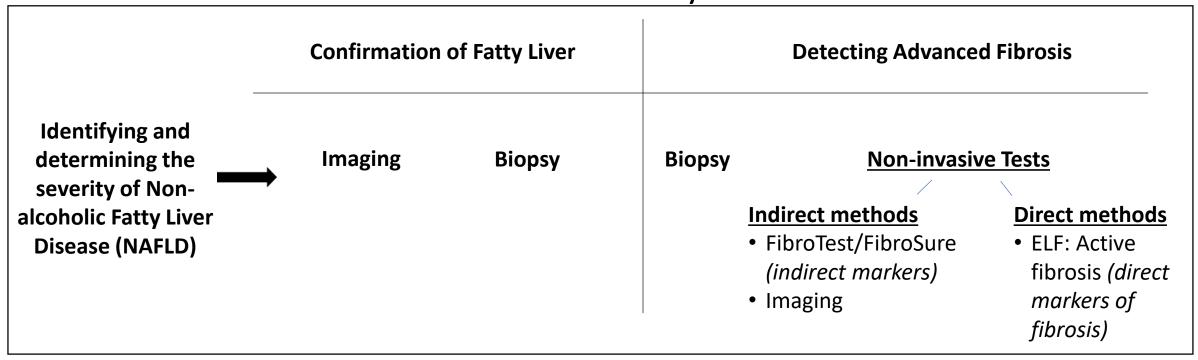
Fibrosis is key for disease progression in most forms of chronic liver disease (CLD)

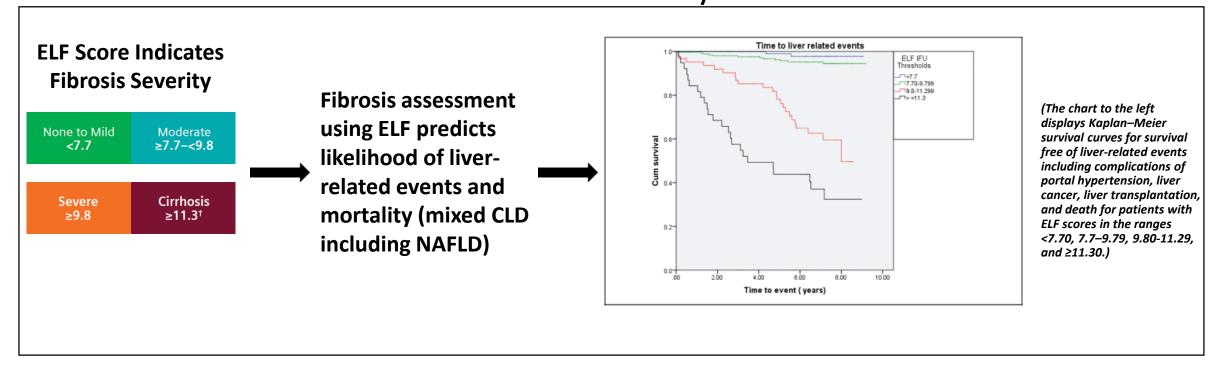
"In particular, significant fibrosis at the time of diagnosis is the most important histological feature associated with mortality in NASH, regardless of the presence or severity of other histologic features."

"In addition, with the advent of potential emergence of potent anti-fibrotic agents for the treatment of NASH, the accurate assessment of liver fibrosis becomes even more pertinent, not only for identifying suitable patients for treatment, but also in the evaluation of treatment efficacy."



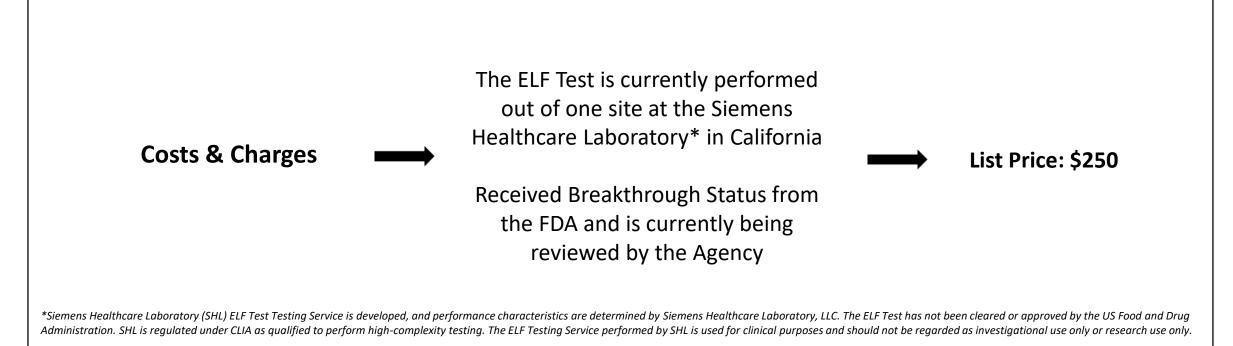
CMS Annual Lab Meeting, June 22, 2020
Siemens Healthineers, Presenters (Borden, Adam; Soreng, Katherine; Pollan, Melanie)





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	0003M: NASH FibroSure®	0014M: ELF™
Comparison of codes for score- based liver fibrosis tests	<ul> <li>Relies on ten (10) routine (and typically low- cost) biochemical assays that act as indirect</li> </ul>	Relies on three (3) <u>specialized</u> immunoassays that act as <b>direct</b> markers of fibrosis
0003M: NASH FibroSure®	markers of fibrosis	As fibrosis is dynamic (progression/repair), the
0014M: ELF™	<ul> <li>Indirect markers can <u>reflect</u>, <u>but not directly</u> <u>detect</u> fibrosis by assessing for markers of inflammation and liver dysfunction</li> </ul>	ELF test <u>detects</u> overall fibrosis using two (2) markers directly involved in scarring (Hyaluronic acid and PIIINP) and one that inhibits the ability to repair (TIMP-1)



Public Comment	Rationale
Crosswalk to a multiplier of 0.35 of 0003M; CY2020 NLA = \$503.40 x 0.35 = \$176.19	0014M is similar in clinical use to 0003M. Three (3) analytes in code 0014M versus ten (10) analytes in code 0003M, but 0014M is a specialized immunoassay that has more costs and resources, so recommend a multiplier of 0.35 of 0003M.