

## **Supplemental Material**

**Table S1: Search strategy used in each database searched.**

**Table S2: Assessment of the risk of bias of studies included in the meta-analysis using the refined Quality In Prognosis Studies (QUIPS) tool.**

**Figure 1: PRISMA flow chart outlining the literature search.**

Table S1: Search strategy used in each database searched.

Database	Search Strategy	Articles retrieved
MEDLINE	<p>(((("liver"[MeSH Terms] OR "liver"[All Fields]) AND stiffness[All Fields]) OR ("liver cirrhosis"[MeSH Terms] OR ("liver"[All Fields] AND "cirrhosis"[All Fields]) OR "liver cirrhosis"[All Fields] OR ("liver"[All Fields] AND "fibrosis"[All Fields]) OR "liver fibrosis"[All Fields]) OR ("liver diseases"[MeSH Terms] OR ("liver"[All Fields] AND "diseases"[All Fields]) OR "liver diseases"[All Fields] OR ("liver"[All Fields] AND "dysfunction"[All Fields]) OR "liver dysfunction"[All Fields]) OR ("non-alcoholic fatty liver disease"[MeSH Terms] OR ("non-alcoholic"[All Fields] AND "fatty"[All Fields] AND "liver"[All Fields] AND "disease"[All Fields]) OR "non-alcoholic fatty liver disease"[All Fields] OR "nafld"[All Fields]) OR ("elasticity imaging techniques"[MeSH Terms] OR ("elasticity"[All Fields] AND "imaging"[All Fields] AND "techniques"[All Fields]) OR "elasticity imaging techniques"[All Fields] OR "elastography"[All Fields]) OR ("fibrosis"[MeSH</p>	5,687

	<p>Terms] OR "fibrosis"[All Fields]) AND score[All Fields]) OR fibrosis-4[All Fields] OR (virtual[All Fields] AND ("touch"[MeSH Terms] OR "touch"[All Fields] OR "therapeutic touch"[MeSH Terms] OR ("therapeutic"[All Fields] AND "touch"[All Fields]) OR "therapeutic touch"[All Fields]) AND quantification[All Fields])) AND ("heart failure"[MeSH Terms] OR ("heart"[All Fields] AND "failure"[All Fields]) OR "heart failure"[All Fields])</p>	
Scopus	<p>( TITLE-ABS-KEY ( liver AND fibrosis ) OR TITLE-ABS-KEY ( liver AND stiffness ) OR TITLE-ABS-KEY ( liver AND dysfunction ) OR TITLE-ABS-KEY ( nafld ) OR TITLE-ABS-KEY ( elastography ) OR TITLE-ABS-KEY ( fibrosis AND score ) OR TITLE-ABS-KEY ( fibrosis-4 ) OR TITLE-ABS-KEY ( virtual AND touch AND quantification ) AND TITLE-ABS-KEY ( heart AND failure ) )</p>	6,712

Table S2: Assessment of the risk of bias of studies included in the meta-analysis using the refined Quality In Prognosis Studies (QUIPS) tool.

Study name	Study Participation	Study Attrition	Prognostic Factor Measurement	Outcome Measurement	Study Confounding	Statistical Analysis and Reporting
Saito, 2018 (3)	low	moderate	low	low	low	low
Takahashi, 2018 (4)	low	low	low	low	low	low
Taniguchi, 2018 (2)	low	low	low	low	low	low
Sato, 2017 (5)	low	low	low	low	low	low

Figure 1: PRISMA flow chart outlining the literature search.

