SUPPLEMENT

Supplementary Figure 1. Patient flow chart

n=616 patients with pa	ired vibration-controlled transient elastographies and liver
biopsies	
	°
	n=136 excluded due to liver stiffness measurement without CAP
	n=43 excluded due to insufficient liver biopsy
	n=25 excluded due to presence of HCC (n=20) or infiltration of other malignancies (n=5) in liver biopsy
	n=2 excluded due to liver transplantation between CAP measurement and liver biopsy
	n=54 excluded due to >180 days between CAP measurement and liver biopsy
	n=35 excluded due to vascular liver disease or acute liver failure
n=319 patients include	ed in this study

Abbreviations: CAP – controlled attenuation parameter; IQR – interquartile range; HCC – hepatocellular carcinoma

Supplementary Table 1. Net reclassification improvement (NRI) for CAP corrections according to Karlas et al¹³ for identifying patients with **(A)** any hepatic steatosis (HS \geq S1), **(B)** HS \geq S2, and **(C)** HS \geq S3.

Event=any steatosis		Test 1 (CAP not corrected)			
Non-event		Abnormal=positive for steatosis	Normal	TOLA	
	Abnormal	162	2	<mark>164</mark>	
Test 2 (CAP Karlas corrected)	Abhornaí	14	7	21	
	Normal	15	47	62	
		4	68	72	
Total		177	49	226	
Total		18	75	93	

A: ≥S1: Karlas corrected vs. non-Karlas corrected

 $NRI_e = (2-15)/226 = -0.0575$. $NRI_{ne} = (4-7)/93 = -0.0322$. NRI = -0.090.

B: ≥S2: Karlas corrected vs. non-Karlas corrected

Event=any steatosis		Test 1 (CAP not corrected)		
Non-event		Abnormal=positive for steatosis	Normal	TOtal
	Abnormal	88	1	89
Test 2 (CAP Karlas corrected)	Abhornaí	51	2	53
	Normal	16	21	37
		13	127	140
Total		104	22	126
		64	129	193

 $NRI_e = (1-16)/126 = -0.127$. $NRI_{ne} = (13-2)/193 = 0.057$. NRI = -0.070.

C: ≥S3: Karlas corrected vs. non-Karlas corrected

Event=any steatosis	Test 1 (CAP not corrected)	Total
		i otai

Non-event		Abnormal=positive for steatosis	Normal	
	Abnormal	37	1	
Test 2 (CAP Karlas corrected)	Abrioffia	66	0	
	Normal	12	9	
		25	169	
Total, split		49	10	59
		91	169	260

 $NRI_e = (1-12)/59 = -0.186$. $NRI_{ne} = (25-0)/260 = 0.096$. NRI = -0.090.

Supplementary Table 2. Uni- and multivariate linear regression analyses investigating variables associated with **(A)** CAP values and **(B)** CAP IQR.

Α	Univaria	te		Multivari	ate (I)	Multivari	ate (II)
		_	. .			_	. .
Patient characteristics	r	В	P value	В	P value	В	P value
Age, years	0.036	0.197	0.518	-	-	-	-
Male gender	0.047	7.096	0.402	-	-	-	-
BMI, kg x m ⁻²	0.181	0.665	0.001	0.231	0.139	0.270	0.080
Diabetes	0.329	57.748	<0.001	23.866	0.002	26.343	0.001
NAFLD	0.557	84.394	<0.001	53.939	<0.001	47.940	<0.001
Liver stiffness, kPa	-0.174	-0.727	0.002	0.223	0.244	-	-
Histological fibrosis stage	-0.190	-10.362	0.001	-	-	-2.763	0.259
Hepatic steatosis, %	0.556	1.421	<0.001	0.891	<0.001	0.887	<0.001
Bilirubin, mg/L	-0.088	-1.767	0.115	-	-	-	-
ALT, U/L	-0.020	-0.014	0.727	-	-	-	-
AP, U/L	-0.258	-0.204	<0.001	-0.066	0.083	-0.009	0.657
γ-GT, U/L	-0.155	-0.067	0.006	-0.015	0.463	-0.014	0.473

Multivariate (I+II): Due to multicollinearity, liver stiffness was included into model (I) and histological fibrosis stage into model (II).

R	Univaria	te		Multivari	ate (I)	Multivari	ate (II)
Patient characteristics	r	В	P value	В	P value	В	P value
Age, years	-0.155	-0.256	0.006	-0.222	0.017	-0.213	0.020
Male gender	-0.033	-1.528	0.554	-	-	-	-
BMI, kg x m ⁻²	0.074	0.083	0.185	-	-	-	-
Diabetes	-0.174	-9.245	0.002	-3.943	0.211	-3.105	0.331
NAFLD	-0.216	-9.951	<0.001	-4.014	0.196	-2.360	0.479
Liver stiffness, kPa	0.120	0.153	0.032	0.024	0.776	0.043	0.605
Histological fibrosis stage	0.028	0.461	0.621	-	-	-	-
Hepatic steatosis, %	-0.219	-0.171	<0.001	-0.124	0.010	-	-
CAP value, dB/m	-0.258	-0.079	<0.001	-	-	-0.057	0.006
Bilirubin, mg/L	0.124	0.756	0.027	0.393	0.303	0.378	0.320
ALT, U/L	0.003	0.001	0.957	-	-	-	-
AP, U/L	0.015	0.004	0.794	-	-	-	-
GGT, U/L	-0.010	-0.001	0.864	-	-	-	-

Multivariate (I+II): Due to multicollinearity, hepatic steatosis was included into model (I) and CAP value into model (II).

Abbreviations: CAP – controlled attenuation parameter; BMI – body mass index; NAFLD – non-alcoholic fatty liver disease; ALT – alanine aminotransferase; AP – alkaline phosphatase; γ -GT – gamma-glutamyltransferase

Supplementary Table 3. Comparison of different reliability criteria for **(A)** diagnosing hepatic steatosis (HS) \geq S2 and **(B)** \geq S3.

Δ	AUC of patients	AUC of patients not	Number of patients
~	meeting this	meeting this	meeting this
	criterion	criterion	criterion
CAP IQR <20	0.752 (0.607-0.896)	0.777 (0.718-0.835)	60 (18.8%)
CAP IQR <40	0.780 (0.715-0.844)	0.768 (0.677-0.860)	199 (62.4%)
CAP IQR <60	0.805 (0.752-0.857)	0.636 (0.470-0.802)	271 (85.0%)
CAP IQR <80	0.786 (0.735-0.837)	0.727 (0.381-1.000)	305 (95.6%)
CAP IQR/median	0.681 (0.576-0.786)	0.775 (0.702-0.847)	121 (37.9%)
<0.10 CAP IQR/median	0.771 (0.712831)	0.686 (0.546-0.826)	239 (74.9%)
<0.20 CAP IQR/median	0.777 (0.723-0.830)	0.741 (0.535-0.947)	288 (90.3%)
<0.30 CAP IQR/median	0.779 (0.727-0.831)	0.643 (0.392-0.894)	304 (95.3%)
<0.40 Stiffness IQR/median	0.782 (0.727-0.836)	0.821 (0.693-0.950)	272 (85.3%)
<0.3			

R	AUC of patients	AUC of patients not	Number of patients
	meeting this	meeting this	meeting this
	criterion	criterion	criterion
CAP IQR <20	0.616 (0.477-0.756)	0.800 (0.734-0.865)	60 (18.8%)
CAP IQR <40	0.718 (0.647-0.790)	0.819 (0.709-0.928)	199 (62.4%)
CAP IQR <60	0.755 (0.695-0.815)	0.760 (0.565-0.955)	271 (85.0%)
CAP IQR <80	0.758 (0.701-0.816)	-	305 (95.6%)
CAP IQR/median	0.613 (0.513-0.714)	0.829 (0.751-0.907)	121 (37.9%)
CAP IQR/median	0.716 (0.651-0.781)	0.724 (0.448-1.000)	239 (74.9%)
<0.20 CAP IQR/median	0.738 (0.677-0.799)	-	288 (90.3%)
<0.30 CAP IQR/median	0.753 (0.695-0.812)	-	304 (95.3%)
<0.40 Stiffness IQR/median	0.760 (0.701-0.819)	0.765 (0.570-0.959)	272 (85.3%)
<0.3			

Abbreviations: CAP – controlled attenuation parameter; IQR – interquartile range; AUC – area under the receiver operating characteristic curve

Supplementary Table 4. Prevalence of hepatic steatosis according to CAP and liver histology.

	S0	S1	S2	S3	Sum
	(histology)	(histology)	(histology)	(histology)	
S0 (CAP)	75	35	12	2	124
S1 (CAP)	6	13	5	3	27
S2 (CAP)	5	9	9	5	28
S3 (CAP)	7	43	41	49	140
Sum	93	100	67	59	319

Abbreviations: CAP – controlled attenuation parameter

Supplementary Table 5. Diagnostic performance and proportion of discordant results between controlled attenuation parameter (CAP) and liver histology using the Youden's index derived cut-off (>246dB/m) for any hepatic steatosis (HS, i.e. \geq S1).

	AUC (95% CI)	Prevalence of	Discordance in	Р
		any steatosis	presence of any	value
		(≥S1)	steatosis (≥S1)	
Overall cohort	0.843 (0.798-0.887)	226 (70.8%)	67 (21.0%)	-
Cholestatic liver disease (PBC/PSC, n=18) vs. others	0.667 (0.376-0.957)	3 (17.6%)	4 (23.5%) vs. 63 (20.9%)	0.793
Autoimmune hepatitis (n=15) vs. others	0.620 (0.316-0.924)	5 (33.3%)	6 (40.0%) vs. 61 (20.1%)	0.064
BMI >30kg/m² (n=133) vs. ≤30kg/m²	0.871 (0.785-0.958)	118 (88.7%)	15 (11.3%) vs. 52 (28.0%)	<0.001
BMI >40kg/m² (n=40) vs. ≤40kg/m²	0.951 (0.877-1.000)	36 (90.0%)	3 (7.5%) vs. 64 (22.9%)	0.025
Diabetes (n=76) vs. others	0.925 (0.844-1.000)	70 (92.1%)	7 (9.2%) vs. 60 (24.7%)	0.005
F4 (n=79) vs. F0-3	0.831 (0.730-0.932)	55 (69.6%)	24 (30.4%) vs. 43 (17.9%)	0.018
≥10kPa liver stiffness (n=178) vs. <10kPa	0.850 (0.792-0.907)	118 (66.3%)	39 (58.2%) vs. 139 (55.2%)	0.655
≥15kPa liver stiffness (n=122) vs. <15kPa	0.820 (0.799-0.910)	76 (62.3%)	32 (26.2%) vs. 35 (17.8%)	0.071
≥20kPa liver stiffness (n=98) vs. <20kPa	0.780 (0.687-0.873)	59 (60.2%)	29 (29.6%) vs. 38 (17.2%)	0.012
ALT >2x sex-specific ULN (n=55) vs. <2xULN	0.867 (0.759-0.975)	37 (67.3%)	12 (21.8%) vs. 55 (20.8%)	0.870
γ-GT >2x sex-specific ULN (n=125) vs. <2xULN	0.823 (0.748-0.899)	79 (63.2%)	29 (23.2%) vs. 38 (19.6%)	0.439
CAP IQR <40dB/m (n=199) vs. ≥40dB/m	0.866 (0.812-0.920)	149 (74.9%)	35 (17.6%) vs. 32 (26.7%)	0.054
CAP IQR/median <0.3 (n=288) vs. ≥0.3	0.856 (0.792-0.886)	213 (74.0%)	54 (18.8%) vs. 13 (41.3%)	0.003

Abbreviations: CAP – controlled attenuation parameter; AUC – area under the receiver operating characteristic curve; 95%CI – 95% confidence interval; IQR – interquartile range; PBC – primary biliary cirrhosis; PSC – primary sclerosing cholangitis; BMI – body mass index; ALT – alanine aminotransferase; γ -GT – gamma-glutamyltransferase; IQR – interquartile range

Supplementary Table 6. Comparison of different reliability criteria for diagnosing any hepatic steatosis (\geq S1) in **(A)** obese patients (BMI>30kg/m², n=133) and **(B)** patients with diabetes.

Δ	AUC of patients	AUC of patients not	Number of patients
~	meeting this	meeting this	meeting this
	criterion	criterion	criterion
CAP IQR <20	-	0.848 (0.749-0.946)	27 (20.3%)
CAP IQR <40	0.865 (0.716-1.000)	0.847 (0.733-0.962)	79 (59.4%)
CAP IQR <60	0.882 (771-0.993)	0.788 (0.584-0.991)	111 (83.5%)
CAP IQR <80	0.857 (0.755-0.959)	0.778 (0.335-1.000)	127 (95.5%)
CAP IQR/median	0.883 (0.729-1.000)	0.826 (0.709-0.943)	62 (46.6%)
<0.10			
CAP IQR/median	0.862 (0.717-1.000)	0.680 (0.466-0.893)	109 (82.0%)
<0.20			
CAP IQR/median	0.879 (0.780-0.979)	0.533 (0.101-0.965)	125 (94.0%)
<0.30			
CAP IQR/median	0.868 (0.773-0.964)	0.250 (0.000-0.798)	129 (97.0%)
<0.40			
Stiffness IQR/median	0.881 (0.785-0.976)	0.804 (0.543-1.000)	113 (85.0%)
<0.3			

R	AUC of patients	AUC of patients not	Number of patients
	meeting this	meeting this	meeting this
	criterion	criterion	criterion
CAP IQR <20	-	0.917 (0.818-1.000)	23 (30.3%)
CAP IQR <40	0.930 (0.835-1.000)	0.889 (0.695-1.000)	56 (73.7%)
CAP IQR <60	0.926 (0.838-1.000)	-	71 (93.4%)
CAP IQR <80	0.934 (0.856-1.000)	-	75 (98.7%)
CAP IQR/median	-	0.870 (0.724-1.000)	43 (56.6%)
<0.10			
CAP IQR/median	0.909 (0.788-1.000)	0.750 (0.310-1.000)	69 (90.8%)
<0.20			
CAP IQR/median	0.923 (0.834-1.000)	1.000 (1.000-1.000)	74 (97.4%)
<0.30			
CAP IQR/median	0.934 (0.856-1.000)	-	75 (98.7%)
<0.40			
Stiffness IQR/median	0.923 (0.836-1.000)	1.000 (1.000-1.000)	69 (90.8%)
<0.3			

Abbreviations: CAP – controlled attenuation parameter; IQR – interquartile range; AUC – area under the receiver operating characteristic curve

Supplementary Table 7. Comparison of the diagnostic performance of CAP for diagnosing any hepatic steatosis(\geq S1) in patients with non-alcoholic fatty liver disease (NAFLD) and viral hepatitis, stratified according to histological inflammation grades, applying NAFLD activity score (NAS) for NAFLD and METAVIR score for viral hepatitis.

		AUC (95%CI)	Number of patients
	No inflammation (0 points)	0.665 (0.441-0.889)	36
	Mild inflammation (1 point)	0.890 (0.829-0.951)	115
AFLD	Moderate inflammation (2 points)	-	23
Z	Severe inflammation (3 points)	-	3
	Any inflammation (1-3 points)	0.896 (0.843-0.949)	141
	No inflammation (0 points)	0.639 (0.273-1.000)	13
atitis	Mild inflammation (1 point)	0.747 (0.554-0.941)	27
Viral hepa	Moderate inflammation (2 points)	0.778 (0.447-1.000)	9
	Severe inflammation (3 points)	-	0

- indicates values that could not be computed; Abbreviations: CAP – controlled attenuation parameter; NAFLD – non-alcoholic fatty liver disease; NAS – NAFLD activity score; AUC – area under the receiver operating characteristic curve

Supplementary Table 8. Mean CAP values within the same stage of hepatic steatosis according to histology in patients with non-alcoholic fatty liver disease (NAFLD) and viral hepatitis, stratified according to histological inflammation grades, applying NAFLD activity score (NAS) for NAFLD and METAVIR score for viral hepatitis.

			Inflammation grade on histology				P value
			A0	A1	A2	A3	
NAFLD sis stage on histology		S0 (n=11)	246±73	250±27	-	-	0.768
	ology	S1 (n=66)	283±72	302±74	316±77	-	0.552
	S2 (n=55)	300±44	322±59	323±55	-	0.728	
	sis stage	S3 (n=45)	256±6	336±36	341±35	356±44	0.018
Viral hepatitis	Steatos	S0 (n=27)	201±49	212±47	216±57	-	0.841
		≥S1 (n=22)	203±70	262±63	257±62	-	0.286

- indicates values that could not be computed; Abbreviations: CAP – controlled attenuation parameter; NAFLD – non-alcoholic fatty liver disease; NAS – NAFLD activity score

Liver-FibroSTARD checklist (modified according to Bousier et al [2014])

Title/Abstract/	1. Identify the article as a study of diagnostic accuracy (recommend MeSH heading	
Keywords	"sensitivity and specificity").	
	1.1. Identify the article, especially in the title, as a study of the diagnostic performance of liver	
	fibrosis/cirrhosis biomarker(s)/test(s).	
	1.2. Recommended key words (choose the most appropriate): "liver fibrosis", "cirrhosis",	
	"diagnosis", "biomarker", "diagnostic test", "noninvasive diagnosis".	
Introduction	2. State the research questions or study aims, such as estimating diagnostic accuracy or	
	comparing accuracy between tests or across participant groups.	
	In study aims, specify:	
	2.1. If the aim is to identify new marker(s)/develop new test(s), or to evaluate published	
	marker(s)/test(s).	
	2.2. Whether the study is performed in a single or multiple cause(s) of chronic liver disease.	
	2.3. The reference used for fibrosis diagnosis in the study.	
	2.4. The diagnostic target used as the primary aim of the study and, if appropriate, other diagnostic	
	targets used as secondary aims.	
Methods	Describe:	
Participants	3. The study population: The inclusion and exclusion criteria*, setting, and locations* where	
	data were collected.	
	4. Participant recruitment: Was recruitment based on presenting symptoms, results from	
	previous tests, or the fact that the participants had received the index tests or the reference	
	standard?	
	4.1. State if healthy subjects without chronic liver disease are included or not in the study.	
	4.2. State if patients were selected by one abnormal or several discordant fibrosis test(s).	
	4.3. State if patients were selected according to the availability of reference or index test(s)	
	result(s).	
	5. Participant sampling: Was the study population a consecutive series of participants	
	defined by the selection criteria in item 3 and 4? If not, specify how participants were	
	further selected.	
	6. Data collection: Was data collection planned before the index test and reference standard	
	were performed (prospective study) or after (retrospective study)?	
	6.1. The chronology between patient inclusion*, data collection (reference/index tests)*, and data	
	analysis is well described.	
	6.2. Has the study population been previously used/published for the evaluation of the studied	
	fibrosis test(s)?	
Test	7. The reference standard and its rationale.	
methods		

	8. Technical specifications of material and methods involved including how and when		
	measurements were taken, and/or cite references for index tests and reference standard.		
	For the reference and index test(s), specify characteristics with sufficient detail to permit exact		
	reoperation, when appropriate:		
	8.1. Center: standardization of procedures across centers.		
	8.2. Patient: fasting conditions*, time, posture, etc. (give information about the influence of		
	conditions on the intra-individual variability).		
	8.3. Delay: time interval between reference and index test(s).		
	8.4. Material: technical specifications (name, generation, manufacturer, instrument), method of		
	measurement, applicability (failure/reliability criteria)*. Specifically for liver biopsy, indicate material		
	used per		
	center, i.e., percutaneous/transjugular/other, needle diameter.		
	8.5. Biological samples: description of method of collection, transport, storage*.		
	8.6. Specify how the index tests were calculated		
	8.7. Specify how the risk for false negative/positive results was taken into account.	n.a.	
	Specifically for liver biopsy:		
	8.8. How sample bias was limited: minimal biopsy size (length)*, number of portal tracts required,		
	number of fragments.		
	8.9. Methods for histological assessment: human/automated reading*, local/central reading*,		
	number and expertise of pathologists*, single/double reading*, consensus methods.		
	8.10. Scoring system used (Metavir, Ishak, Scheuer, etc.).		
	9. Definition of and rationale for the units, cut-offs*, and/or categories of the results of the		
	index tests and the reference standard.		
	10. The number*, training and expertise* of the persons executing and reading the index		
	tests and the reference standard.		
	11. Whether or not the readers of the index tests and reference standard were blind		
	(masked) to the results of the other test and describe any other clinical information		
	available to the readers.		
Statistical	12. State if the study is conducted on an intention-to-diagnose basis or if the analysis is		
methods	per-protocol (i.e., with exclusion of failed/unreliable fibrosis test(s)/reference		
	measurements).		
	12.1. If intention-to-diagnose analysis, specify how failure and unreliable test(s)/reference are	n.a.	
	taken into account in the analysis. ^a		
	13. Methods for calculating or comparing measures of diagnostic accuracy, and the		
	statistical methods used to quantify uncertainty (e.g., 95% confidence intervals).		
	Specify:		
	13.1. Detailed sample size calculation.	n.a.	
	13.2. Statistical methods used to quantify uncertainty (e.g., 95% confidence intervals).		
	13.3. Control of multiple comparisons that increases type I error: multiple comparisons of tests		
	(e.g. Bonferroni correction, etc.), multiple diagnostic targets.		
	13.4. Method for calculation of fibrosis test(s) diagnostic cut-offs.		
	13.5. Method for validation of new test(s) or new calculated diagnostic cut-off(s) (e.g., external		
	validation set, internal validation by bootstrapping, etc.).		
	13.6. Method for control of center/operator effect.	n.a.	

	13.7. Method for control of spectrum effect if unrepresentative prevalence of fibrosis stages (e.g.,	n.a.
	Obuchowski index, DANA, etc.).	
	13.8. Method for control of misclassification errors by the reference test. ^b	n.a.
	13.9. Use of a reference without gold standard.	n.a.
	13.10. Analysis of discordances between reference/index test(s).	
	14. Methods for calculating test reproducibility.	n.a.
Results	Report:	
Participants	15. When study was performed, including beginning and end dates of recruitment.	
	16. Clinical and demographic characteristics of the study population (e.g., age*, sex*,	
	spectrum of presenting symptoms, comorbidity, current treatments, recruitment centers).	
	16.1. For liver biopsy: size (length)*, number of portal tracts, number of fragments.	
	16.2. For index test(s): confounding factors that potentially influence the test(s) results (flare-up,	
	inflammation, other liver lesions, intrinsic characteristics, etc.).	
	17. The number of participants satisfying the criteria for inclusion who did or did not	_
	undergo the index tests and/or the reference standard*; describe why participants failed to	
	undergo either test	
	(a flow diagram is strongly recommended).	
	17.1. If per-protocol analysis, report comparisons between patients excluded due to	n.a.
	failed/unreliable test(s)/reference and patients with reliable fibrosis test(s)/reference.	
Test results	18. Time-interval* between the index tests and the reference standard, and any treatment	
	administered between.	
	19. Distribution of severity of disease (define criteria) in those with the target condition*;	
	other diagnoses in participants without the target condition.	
	19.1. Specify the prevalence* of the diagnostic condition (spectrum effect).	
	20. A cross tabulation of the results of the index tests (including indeterminate and missing	
	results) by the results of the reference standard; for continuous results, the distribution of	
	the test	
	results by the results of the reference standard.	
	20.1. Presentation of contingency tables, box/scatter plots.	
	21. Any adverse events from performing the index tests or the reference standard.	n.a.
Estimates	22. Estimates of diagnostic accuracy* and measures of statistical uncertainty (e.g., 95%	
	confidence intervals).	
	22.1. Specify sensitivity* and specificity* with 95% confidence intervals; ROC analysis.	
	22.2. Analyzing discordances between fibrosis tests(s)/reference. ^b	
	23. How indeterminate results, missing data and outliers of the index tests were handled.	n.a.
	23.1. How missing/failure/unreliable results of index test(s)/reference were handled (intention-to-	n.a.
	diagnose/per-protocol analysis). ^a	
	23.2. How outliers of the index tests were handled.	n.a.
	24. Estimates of variability of diagnostic accuracy between subgroups of participants,	
	readers or centers, if done.	
	25. Estimates of test reproducibility, if done.	n.a.
	26. Estimates of cost-benefit.	n.a.
Discussion	27. Discuss the clinical applicability of the study findings.	

27.1. Discuss the representativeness of the study sample and recruiting centers (i.e., spectrum	
effect, etc.).	
27.2. Discuss the interpretation of fibrosis test(s) results in clinical practice.	
27.3. Discuss the clinical relevance of the study results.	

The Liver-FibroSTARD checklist summarizes the important information that must be present in the manuscripts of diagnostic studies on non-invasive tools for liver fibrosis evaluation. Compared to STARD, the Liver-

FibroSTARD checklist includes two additional items (#12 and #26) and 44 sub-items. The sub-items correspond to those proposals that clearly depicted, within the items, each of the particular features of diagnostic

studies on liver fibrosis tests. Finally, Liver-FibroSTARD presents as a complementary module of the STARD checklist.

Some items or sub/items include several criteria; **major criteria are indicated by an asterisk (*).** Example: item #3: "The study population: The inclusion and exclusion criteria/, setting, and locations/where data were

collected". If a major item is missing, the corresponding criterion has to be rated absent.

^altems 12.1 and 23.1 are redundant but retained since they can be located in different paragraphs within an article.

^bItems 13.10 and 22.2 are redundant but retained since they can be located in different paragraphs within an article.

NOTE:

GREEN= addressed

YELLOW= partially addressed

n.a. = not applicable