

Table SI. Formulas for calculating the serum indexes.

Index	Formula	Cut-off value for advance fibrosis/ cirrhosis	(Ref.)
FIB-4	$\text{Age (years)} \times \text{AST (U/l)} / [\text{PLT (10}^9/\text{l)} \times \text{square ALT (U/l)}]$	>3.25	(18)
APRI	$100 \times [\text{AST (U/l)} / \text{upper limit of normal AST values (U/l)}] / \text{PLT (10}^9/\text{l)}$	≥2	(19)
ALBI	$\text{Log}_{10} \text{TB (} \mu\text{mol/l)} \times 0.66 + \text{ALB (g/l)} \times (-0.085)$	>-2.190	(20)
AAR	$\text{AST (U/l)} / \text{ALT (U/l)}$	≥1	(21)
GPR	$\text{GGT (U/l)} / \text{PLT (10}^9/\text{l)}$	>0.56	(22)

ALT, alanine aminotransferase; AST, aspartate aminotransferase; GGT, gamma glutamyltransferase; PLT, platelet count; TB, total bilirubin; ALB, albumin; FIB-4, fibrosis index based on four factors; APRI, AST-to-PLT ratio index; ALBI, ALB-bilirubin index; AAR, AST-to-ALT ratio; GPR, GGT-to-PLT ratio.

Table SII. Differences in the serum indexes and MRI features between low and high level of serum ferritin.

Variable	FER level<886.3ng/ml(n=95)	FER level≥886.3ng/ml(n=50)	P-value
Age, years	52.6±10.6	52.1±8.96	0.169
Sex(male/female)	77/18	47/3	0.046
LIC, mg/g	1.66±0.60	3.44±1.79	<0.001
PDFF, %	3.77±3.40	2.93±2.69	0.172
PVD, mm	14.5±2.62	13.7±1.91	0.017
SVD, mm	9.83±2.99	8.69±1.66	<0.001
ALT, U/l	44.4±48.7	137.8±352.8	0.003
AST, U/l	55.0±64.8	140.9±227.7	0.001
GGT, U/l	78.2±74.3	117.0±81.0	0.375
ALP, U/l	97.2±39.8	123.4±46.6	0.427
PLT, 10 ⁹ /l	91.3±54.1	108.6±78.1	0.325
TB, μmol/l	32.5±38.9	150.5±155.2	<0.001
ALB, g/l	37.3±5.43	35.7±5.07	0.553
INR	1.38±0.29	1.69±0.57	<0.001
FER, ng/ml	279.3±227.7	2322.3±899.0	<0.001
Cr, μmol/l	71.2±16.6	76.5±15.8	0.474
FIB4	6.50±5.85	7.87±6.42	0.349
APRI	2.32±4.77	7.87±6.42	0.210
ALBI	-2.29±0.56	-1.75±0.56	0.551
AAR	1.41±0.78	1.42±0.70	0.309
GPR	1.13±1.23	1.29±0.89	0.403

LIC, liver iron content; PDFF, proton density fat fraction; PVD, portal vein diameter; SVD, splenic vein diameter; ALT, alanine aminotransferase; AST, aspartate aminotransferase; GGT, gamma glutamyltransferase; ALP, alkaline phosphatase; PLT, platelet count; TB, total bilirubin; ALB, albumin; INR, international normalized ratio; FER, serum ferritin; Cr, creatinine; FIB-4, fibrosis index based on four factors; APRI, AST-to-PLT ratio index; ALBI, ALB-bilirubin index; AAR, AST-to-ALT ratio; GPR, GGT-to-PLT ratio.