

Table S1. Sample Size by Fibrosis Stage*

CT (and Lab) Parameters	Pathologic Fibrosis Stage (METAVIR)				
	F0	F1	F2	F3	F4
LSVR	49 (0)	68 (1)	100 (2)	72 (4)	165 (8)
Liver Volume	49 (0)	68 (1)	100 (2)	72 (4)	165 (8)
Splenic Volume	48 (1)	65 (4)	97 (5)	66 (10)	161 (12)
LSN Score	43 (6)	55 (14)	90 (12)	66 (10)	157 (16)
Periportal Space	49 (0)	66 (3)	95 (7)	65 (11)	150 (23)
LPV/RPV Ratio	49 (0)	66 (3)	95 (7)	65 (11)	148 (25)
Texture (Mean_{PV2})	47 (2)	63 (6)	97 (5)	69 (7)	150 (23)
Texture (Skew_{PV6})	47 (2)	63 (6)	97 (5)	69 (7)	150 (23)
Texture (Kurt_{PV6})	47 (2)	63 (6)	97 (5)	69 (7)	150 (23)
APRI (Lab)	49 (0)	66 (3)	97 (5)	76 (0)	172 (1)
FIB-4 (Lab)	46 (3)	58 (11)	79 (23)	67 (9)	167 (6)

*Missing values noted in parentheses

Table S2. Median Values (IQR) for CT and Lab Parameters according to Fibrosis Stage*

CT (and Lab) Parameters	Pathologic Fibrosis Stage (METAVIR)				
	F0	F1	F2	F3	F4
LSVR	0.24 (0.1)	0.23 (0.1)	0.27 (0.1)	0.32 (0.1)	0.43 (0.2)
Liver Volume	1675 (424)	1586 (410)	1716 (522)	1934 (510)	1710 (784)
Splenic Volume	241 (149)	248 (134)	286 (189)	361 (347)	703 (551)
LSN Score	2.30 (0.4)	2.30 (0.5)	2.40 (0.5)	2.75 (0.6)	3.60 (1.3)
Periportal Space	5 (3)	6 (4)	7 (5)	7 (4)	10 (5)
LPV/RPV Ratio	0.9 (0.2)	0.9 (0.2)	0.9 (0.2)	0.9 (0.2)	0.9 (0.3)
Texture (Mean_{PV2})	0.1 (0.1)	0.2 (0.2)	0.2 (0.3)	0.3 (0.3)	0.7 (0.8)
Texture (Skew_{PV6})	1.6 (1.1)	1.8 (1.1)	1.6 (0.9)	1.6 (1.5)	1.1 (0.8)
Texture (Kurt_{PV6})	1.6 (1.1)	2.2 (7.5)	1.9 (6.3)	1.9 (9.4)	1.2 (1.1)
APRI (Lab)	0.40 (0.4)	0.45 (0.6)	0.60 (0.7)	0.70 (1.4)	2.50 (3.2)
FIB-4 (Lab)	0.95 (0.7)	1.10 (1.0)	1.50 (1.7)	1.90 (2.2)	6.50 (6.75)

*All median values for each parameter differ by fibrosis category ($p < 0.001$) except for the LPV/RPV ratio ($p = 0.352$)

Table S3. Univariate analysis of parameters for predicting liver fibrosis*

LSVR				
Fibrosis Score*	ROC AUC (95% CI)	Cut-off Value	Sensitivity (%)	Specificity (%)
F0 vs. F1-F4	0.711 (0.646-0.775)	0.295	59.3	75.5
F0-1 vs. F2-4	0.768 (0.722-0.813)	0.295	68.0	80.3
F0-2 vs. F3-4	0.805 (0.764-0.846)	0.345	63.7	86.6
F0-3 vs. F4	0.822 (0.779-0.865)	0.345	74.5	80.3

Total liver volume				
Fibrosis Score	ROC AUC (95% CI)	Cut-off Value	Sensitivity (%)	Specificity (%)
F0 vs. F1-F4	0.558 (0.482-0.634)	2089.6	24.4	91.8
F0-1 vs. F2-4	0.582 (0.527-0.637)	1880.3	41.2	76.9
F0-2 vs. F3-4	0.538 (0.484-0.591)	1811.5	48.9	65.4
F0-3 vs. F4	0.541 (0.481-0.601)	1372.1	30.9	89.3

Splenic volume				
Fibrosis Score	ROC AUC (95% CI)	Cut-off Value	Sensitivity (%)	Specificity (%)
F0 vs. F1-F4	0.727 (0.663-0.792)	301.8	65.3	72.9
F0-1 vs. F2-4	0.761 (0.716-0.807)	312.8	69.4	72.6
F0-2 vs. F3-4	0.819 (0.780-0.859)	519.2	59.5	93.8
F0-3 vs. F4	0.847 (0.807-0.886)	512.4	72.0	87.0

LSN Score				
Fibrosis Score	ROC AUC (95% CI)	Cut-off Value	Sensitivity (%)	Specificity (%)
F0 vs. F1-F4	0.782 (0.732-0.832)	2.75	55.2	97.7
F0-1 vs. F2-4	0.825 (0.786-0.864)	2.65	67.1	88.8
F0-2 vs. F3-4	0.872 (0.837-0.907)	2.75	79.8	86.2
F0-3 vs. F4	0.920 (0.892-0.947)	2.85	89.8	83.9

Periportal Space (PPS)

Fibrosis Score	ROC AUC (95% CI)	Cut-off Value	Sensitivity (%)	Specificity (%)
F0 vs. F1-F4	0.679 (0.600-0.758)	5.50	73.7	57.1
F0-1 vs. F2-4	0.689 (0.633-0.745)	6.50	68.1	64.3
F0-2 vs. F3-4	0.695 (0.645-0.745)	6.50	74.9	56.7
F0-3 vs. F4	0.727 (0.679-0.776)	6.50	82.0	53.1

LPV/RPV Ratio

Fibrosis Score	ROC AUC (95% CI)	Cut-off Value	Sensitivity (%)	Specificity (%)
F0 vs. F1-F4	0.540 (0.461-0.619)	0.95	39.8	71.4
F0-1 vs. F2-4	0.534 (0.475-0.592)	0.95	41.2	68.7
F0-2 vs. F3-4	0.541 (0.487-0.595)	1.05	23.9	85.7
F0-3 vs. F4	0.560 (0.502-0.618)	1.05	25.7	84.4

Texture (Mean_{PV2})

Fibrosis Score	ROC AUC (95% CI)	Cut-off Value	Sensitivity (%)	Specificity (%)
F0 vs. F1-F4	0.805 (0.754-0.855)	0.25	65.2	91.5
F0-1 vs. F2-4	0.774 (0.725-0.822)	0.25	70.6	74.5
F0-2 vs. F3-4	0.802 (0.762-0.843)	0.25	81.7	65.2
F0-3 vs. F4	0.844 (0.806-0.883)	0.45	73.3	81.2

Texture (Skew_{PV6})

Fibrosis Score	ROC AUC (95% CI)	Cut-off Value	Sensitivity (%)	Specificity (%)
F0 vs. F1-F4	0.498 (0.409-0.586)	1.55	54.9	53.2
F0-1 vs. F2-4	0.595 (0.535-0.655)	1.55	59.2	60.9
F0-2 vs. F3-4	0.628 (0.575-0.682)	1.35	56.2	69.1
F0-3 vs. F4	0.668 (0.613-0.724)	1.45	72.0	62.7

Texture (Kurt_{PV6})

Fibrosis Score	ROC AUC (95% CI)	Cut-off Value	Sensitivity (%)	Specificity (%)
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F0 vs. F1-F4	0.585 (0.509-0.660)	3.05	29.0	97.9
F0-1 vs. F2-4	0.554 (0.494-0.614)	1.55	51.3	63.6
F0-2 vs. F3-4	0.627 (0.574-0.680)	1.55	58.9	64.7
F0-3 vs. F4	0.683 (0.631-0.735)	1.45	64.7	67.4

APRI

Fibrosis Score	ROC AUC (95% CI)	Cut-off Value	Sensitivity (%)	Specificity (%)
F0 vs. F1-F4	0.690 (0.630-0.750)	0.85	55.0	81.6
F0-1 vs. F2-4	0.720 (0.670-0.769)	0.95	57.7	80.0
F0-2 vs. F3-4	0.773 (0.730-0.817)	0.95	69.8	76.9
F0-3 vs. F4	0.827 (0.787-0.867)	0.95	82.6	72.2

FIB-4

Fibrosis Score	ROC AUC (95% CI)	Cut-off Value	Sensitivity (%)	Specificity (%)
F0 vs. F1-F4	0.826 (0.775-0.878)	1.65	67.4	87.0
F0-1 vs. F2-4	0.838 (0.795-0.881)	1.45	79.6	73.1
F0-2 vs. F3-4	0.857 (0.821-0.893)	2.05	79.5	77.0
F0-3 vs. F4	0.894 (0.863-0.924)	3.15	82.0	82.4

* F0-1 vs. F2-4 refers to significant fibrosis and F0-2 vs. F3-4 refers to advanced fibrosis