

Supplementary Table 1. Diagnostic performance of MFI for detecting segmental congestion in patients with LDLT and the subgroup with MHV territory reconstruction, using CEUS as the reference standard

	Total (n=63)	Subgroup with reconstruction of MHV territory (n=36)
Sensitivity (95% CI) (%)	64.3 (46.0–82.6)	69.2 (44.3–94.2)
Specificity (95% CI) (%)	85.7 (73.9–97.6)	82.6 (66.4–98.9)
PPV (95% CI) (%)	78.3 (61.2–95.4)	69.2 (44.3–94.2)
NPV (95% CI) (%)	75.0 (61.5–88.5)	82.6 (66.4–98.9)
Accuracy (95% CI) (%)	76.2 (65.4–87.0)	77.8 (63.8–91.7)

MFI, micro-flow imaging; LDLT, living donor liver transplantation; MHV, middle hepatic vein; CEUS, contrast-enhanced ultrasonography; CI, confidence interval; PPV, positive predictive value; NPV, negative predictive value.

Supplementary Table 2. Comparison of early post-transplant laboratory values for patients who underwent LDLT with or without segmental congestion, based on each modality

	Preop	POD 1	POD 3	POD 5	POD 7	POD 9	P-value
Based on CT							
AST (IU/L)							
Segmental congestion	48.10	282.32	111.75	56.15	49.05	48.13	0.050
No segmental congestion	48.82	279.59	109.83	56.22	48.86	47.49	
ALT (IU/L)							
Segmental congestion	30.98	295.47	246.90	167.62	148.72	158.05	0.068
No segmental congestion	31.35	291.41	243.03	165.29	147.46	155.63	
Total bilirubin (mg/dL)							
Segmental congestion	3.75	3.49	2.34	2.26	2.09	2.11	0.069
No segmental congestion	3.82	3.45	2.29	2.21	2.05	2.05	
Based on CEUS							
AST (IU/L)							
Segmental congestion	48.83	279.59	109.83	56.22	48.86	47.49	0.050
No segmental congestion	49.26	259.42	108.33	54.65	49.81	48.82	
ALT (IU/L)							
Segmental congestion	31.35	291.41	243.01	165.29	147.46	155.63	0.455
No segmental congestion	31.88	273.12	237.12	160.67	147.19	159.28	
Total bilirubin (mg/dL)							
Segmental congestion	3.82	3.45	2.29	2.21	2.05	2.05	0.648
No segmental congestion	4.00	3.57	2.39	2.31	2.16	2.18	
Based on MFI							
AST (IU/L)							
Segmental congestion	48.45	274.27	111.12	56.60	48.55	47.28	0.397
No segmental congestion	48.46	257.85	107.11	54.71	49.10	48.15	
ALT (IU/L)							
Segmental congestion	30.72	282.95	241.40	164.65	143.48	150.65	0.361
No segmental congestion	31.32	268.90	232.64	158.76	145.42	156.64	
Total bilirubin (mg/dL)							
Segmental congestion	3.79	3.47	2.34	2.26	2.08	2.11	0.162
No segmental congestion	3.93	3.53	2.36	2.28	2.14	2.14	

Values were calculated as averages of several assessments of each patient at specified time points.

LDLT, living donor liver transplantation; Preop, preoperative; POD, postoperative day; CT, computed tomography; AST, aspartate aminotransferase; ALT, alanine aminotransferase; CEUS, contrast-enhanced ultrasonography; MFI, microvascular flow image.