

Supplementary

Table S1 Peri-operative data and histopathological data in resectable HCC with BDTT group (n=22)

Variables	Bile duct preservation (n=13)	Bile duct resection (n=9)	P value
Age (year), mean \pm SD	53.3 \pm 11.5	46.6 \pm 6.1	0.096
Gender, n (%)			0.441
Male	13 (100.0)	7 (77.8)	
Female	0 (0)	2 (22.2)	
Albumin (g/dL), mean \pm SD	3.6 \pm 0.8	3.8 \pm 0.8	0.393
Total bilirubin (mg/dL), median (range)	8.0 (1.5–14.5)	4 (1.8–13.5)	0.815
Cirrhosis, n (%)	8 (57.1)	7 (77.8)	0.311
Cholangitis, n (%)	10 (71.4)	3 (33.3)	0.720
AFP (IU/mL), median (range)	238.0 (47.4–3,102)	20.02 (2.1–4,089)	0.562
Preoperative PTBD, n (%)	1 (7.1)	5 (55.1)	0.010*
Operative time (mins), mean \pm SD	370.4 \pm 107.9	527.2 \pm 157.7	0.011*
Blood loss (mL), median [range]	1,000 [500–1,550]	1,200 [700–1,700]	0.393
Multiple tumors, n (%)	1 (7.1)	5 (55.6)	0.010*
Largest tumor diameter (cm), median (range)	5.3 (3.6–7.5)	5.5 (3.9–8.3)	0.789
Margin <1 mm, n (%)	3 (23.1)	3 (37.5)	0.477
Venous invasion, n (%)	12 (92.3)	7 (87.5)	0.716
Lymphatic/neural invasion, n (%)	1 (7.7)	2 (25.0)	0.271
AJCC 8 th staging			0.127
IA	1 (7.7)	0 (0)	
IB	1 (7.7)	1 (11.1)	
II	11 (84.6)	5 (55.6)	
IIIA	0 (0)	3 (33.3)	
IIIB	0 (0)	0 (0)	
Postoperative complication (Clavien-Dindo grade), n (%)			0.912
No complications	8 (57.1)	5 (55.6)	
Grade I	1 (7.1)	1 (11.1)	
Grade II	2 (14.2)	2 (22.2)	
Grade IIIa	1 (7.1)	0 (0)	
Grade IVa	1 (7.1)	1 (11.1)	
30-day mortality, n (%)	1 (7.1)	1 (11.1)	0.280

HCC, hepatocellular carcinoma; TACE, transarterial chemoembolization; DEI, direct ethanol injection; RFA, radiofrequency ablation. *, statistical significance.