

Table. 1

Patients' characteristics	n=49 (range)
Gender (male/female)	18/31
Age (years)	69 (36–87)
Body mass index (kg/m ²)	22.7 (16.1–44.9)
ECOG-PS (0/1/2/3 or higher)	41/5/3/0
ASA-PS (1/2/3/4 or higher)	1/27/20/1
Pre-operative laboratory data	
Total bilirubin (mg/dL)	0.7 (0.2–1.6)
Direct bilirubin (mg/dL)	0.1 (0.1–0.5)
Albumin (g/dL)	4.0 (3.1–4.9)
Aspartate aminotransferase (IU/L)	23 (9–57)
Alanine aminotransferase (IU/L)	20 (7–59)
γ-glutamyl transpeptidase IU/L)	44 (11–321)
Platelet (×10 ³ /μL)	199 (19–410)
PT (%)	95.4 (37.0–113.3)
PT-INR	1.03 (0.93–1.83)
APTT (sec)	29.4 (24.1–37.2)
ICG-R15 (%)	12 (2–40)
Liver status	
Child Pugh (5/6/7/8 or higher)	42/6/0/1
Liver damage (A/B/C)	46/3/0
Operative findings	
Type of hepatectomy (Hr0, S/1/2/3)	26/11/12/0
Operation time (min)	281 (76–458)
Blood loss (mL)	320 (0–1190)
Resected liver weight (g)	170 (1–989)
Post-operative findings	
Drain bilirubin on POD 1 (mg/dL)	0.8 (0.2–12.8)
Serum bilirubin on POD 1 (mg/dL)	1.1 (0.3–5.4)
Drain bilirubin on POD 3 (mg/dL)	1.6 (0.5–9.0)
Serum bilirubin on POD 3 (mg/dL)	1.0 (0.2–5.1)
Drainage culture on POD 1 (negative/positive)	49/0
Drainage culture on POD 3 (negative/positive)	49/0
Post-operative hospital stay (day)	7 (5–190)
Clavien-Dindo classification (none/I/II/III/IV or higher)	36/1/6/6/0
Biliary fistula grade according to ISGLS (none/A/B/C)	43/4/2/0
Post-hepatectomy liver failure (No/Yes)	49/0
Pathological diagnosis	
Hepatocellular carcinoma	24
Intrahepatic cholangiocellular carcinoma	4
Metastatic liver cancer	16
Bile duct cancer	1
Benign lesion	4
Background liver fibrosis (F0/1/2/3/4)	23/11/2/9/4

ECOG-PS, Eastern Cooperative Oncology Group-performance status; ASA-PS, American Society of Anesthesiologists-physical status; PT, prothrombin time; INR, international normalized ratio; APTT, activated partial thromboplastin time; ISGLS, International Study Group of Liver Surgery; POD, post operative day

Table. 2

Patients' characteristics	Conventional observation group (CO-G, n=26)	ICG group (IO-G, n=23)	p value
Gender (male/female)	10/16	8/15	0.790
Age (years)	73 (36–84)	69 (47–87)	0.361
Body mass index (kg/m ²)	22.5 (16.1–28.6)	22.4 (16.1–44.9)	0.888
ECOG-PS (0/1/2/3 or higher)	22/2/2/0	19/3/1/0	0.752
ASA-PS (1/2/3/4 or higher)	1/13/11/1	0/14/9/0	0.560
Pre-operative laboratory data			
Total bilirubin (mg/dL)	0.7 (0.2–1.6)	0.7 (0.2–1.3)	0.317
Direct bilirubin (mg/dL)	0.1 (0.1–0.3)	0.1 (0.1–0.5)	0.440
Albumin (g/dL)	4.2 (3.1–4.9)	4.0 (3.3–4.7)	0.232
Aspartate aminotransferase (IU/L)	24 (11–57)	23 (9–52)	0.928
Alanine aminotransferase (IU/L)	22 (7–59)	20 (10–51)	0.904
γ-glutamyl transpeptidase IU/L)	48 (15–187)	39 (11–321)	0.849
Platelet (×10 ³ /μL)	205 (80–410)	185 (19–278)	0.321
PT (%)	93.0 (37.0–112.3)	99.2 (62.9–113.3)	0.167
PT-INR	1.04 (0.93–1.83)	1.02 (0.93–1.23)	0.306
APTT (sec)	28.9 (24.1–37.2)	29.5 (25.4–32.6)	0.833
ICG-R15 (%)	11 (3–32)	14 (2–40)	0.470
Liver status			
Child Pugh (5/6/7/8 or higher)	21/4/0/1	21/2/0/0	0.475
Liver damage (A/B/C)	24/2/0	22/1/0	0.626
Operative findings			
Type of hepatectomy (Hr0, S/1/2/3)	15/5/6	11/6/6	0.769
Operation time (min)	236 (76–437)	320 (94–458)	0.083
Blood loss (mL)	345 (0–1190)	280 (1–1165)	0.873
Resected liver weight (g)	110 (1–989)	185 (5–960)	0.621
Post-operative findings			
Drain bilirubin on POD 1 (mg/dL)	0.9 (0.4–12.8)	0.7 (0.2–1.4)	0.073
Serum bilirubin on POD 1 (mg/dL)	1.2 (0.4–5.4)	1.0 (0.3–1.7)	0.081
Drain bilirubin on POD 3 (mg/dL)	1.9 (0.8–9.0)	1.3 (0.5–2.4)	0.019
Serum bilirubin on POD 3 (mg/dL)	1.2 (0.7–5.1)	1.0 (0.2–2.5)	0.056
Post-operative hospital stay (day)	8 (6–190)	7 (5–16)	0.016
Clavien-Dindo classification (none/II/III/IV or higher)	19/0/4/3/0	17/1/2/3/0	0.659
Biliary fistula grade according to ISGLS (none/A/B/C)	22/2/2/0	21/2/0/0	0.397
Pathological diagnosis			
Hepatocellular carcinoma	14	10	0.441
Intrahepatic cholangiocellular carcinoma	3	1	
Metastatic liver cancer	7	9	
Bile duct cancer	1	0	
Benign lesion	1	3	
Background liver fibrosis (F0/1/2/3/4)	12/3/1/7/3	11/8/1/2/1	0.204

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