

Supplementary Table 1. Types of infectious events among patients with infection (n = 39)

Event type	Number of patients (%) (n=39)
Bile leakage	4 (10.3)
Abdominal abscess	5 (12.8)
Intra-abdominal fluid collection	26 (66.7)
Superficial surgical site infection	2 (5.1)
Postoperative cholangitis	1 (2.6)
Postoperative pneumonia	1 (2.6)

Values are presented as number (percentage) of patients.

Supplementary Table 2. Baseline characteristics of patients with and without Clavien-Dindo grade IIIa infection

Variable (unit)	Category	Infection of Clavien-Dindo grade IIIa	
		+	-
		n=173	n=9
Age (years)		67.57 (11.87)	72.89 (7.01)
Sex	Male	97 (56.1)	5 (55.6)
	Female	76 (43.9)	4 (44.4)
ASA-PS	0	2	0
	1	9	1
	2	149	8
	3	13	0

Chronic kidney disease	Presence	23 (13.3)	1 (11.1)
Diabetes mellitus	Presence	46 (26.6)	2 (22.2)
Habitual smoking	Yes	50 (28.9)	4 (44.4)
Habitual alcohol consumption	Yes	52 (30.1)	3 (33.3)
Malignant status	Malignant	160 (93.0)	9 (100.0)
	Benign	12 (7.0)	0 (0.0)
Child-Pugh	A	170 (98.3)	8 (88.9)
	B	3 (1.7)	1 (11.1)
ICG R15		10.00 [1.50, 80.00]	12.00 [6.00, 17.00]
Body mass index (kg/m ²)		23.27 (4.14)	20.28 (3.12)
Albumin (g/dL)		4.10 [3.00, 4.90]	3.80 [3.20, 4.40]
Albumin	<3.5 g/dL	16 (9.2)	2 (22.2)
	≥3.5 g/dL	157 (90.8)	7 (77.8)
PNI		47.0 [34.5, 59.5]	48.0 [38.0, 52.0]
PNI	<45	51 (29.5)	2 (22.2)
	≥45	122 (70.5)	7 (77.8)
Zn (µg/dL)		71.40 [30.0, 134.2]	55.10 [44.0, 76.5]
Zn	<80 µg/dL	123 (71.1)	9 (100.0)
	≥80 µg/dL	50 (28.9)	0 (0.0)
CONUT score		2.00 [0.00, 6.00]	1.00 [0.00, 4.00]

CONUT score	0-1	83 (48.0)	7 (77.8)
	≥2	90 (52.0)	2 (22.2)
MIH approach	Lap	85 (49.1)	2 (22.2)
	Robot	88 (50.9)	7 (77.8)
Operative procedure	Anatomical	108 (62.4)	7 (77.8)
	Partial	65 (37.8)	2 (22.2)
Iwate criteria		6.00 [1.00, 11.00]	8.00 [4.00, 11.00]
Operative time (h)		6.18 [4.40, 7.90]	8.18 [7.35, 10.15]
Estimated blood lost (ml)		1.18 [0.61, 2.75]	3.21 [0.90, 4.82]

Values are expressed as median [interquartile range] or mean (standard deviation) for continuous variables, and as number (percentage) for categorical variables. ASA-PS, American Society of Anesthesiologists Physical Status classification; ICG R15, indocyanine green retention rate at 15 minutes; PNI, prognostic nutritional index; CONUT, controlling nutritional status; MIH, minimally invasive hepatectomy; Lap, Laparoscopic.