

Supplementary Table 1 Surgical outcomes of the patients with and without bile ductoplasty

	bile ductoplasty + (n = 87)	bile ductoplasty - (n = 72)	P value
Procedure			0.51
Robot-assisted surgery	29 (33%)	28 (39%)	
Laparoscopic surgery	58 (67%)	44 (61%)	
Operative time (min)	438 (364-544)	389 (345-448)	0.011
Blood loss (mL) ^a	37 (12-80)	30 (19-62)	0.94
Early complication ^b	7 (12%)	8 (7.8%)	0.59
Bile leakage	5 ^c	4	
Pancreatic fistula	3 ^c	2	
Bowel obstruction	1	1	
Roux-en-Y limb dilatation	0	1	
Hepatitis	4	3	1
Cholangitis	6	7	0.57

Values are present as n (%) or median (interquartile range). Bold value indicates significant difference.

P values are two-sided.

a: Blood loss was measured intraoperatively

b: Complications within 30 days after surgery and Clavien-Dindo classification III or higher

c: The two patients developed bile leakage and pancreatic fistula

Title:

Safety and efficacy of robot-assisted bile ductoplasty and intrapancreatic bile duct resection in congenital biliary dilatation: a single-center retrospective cohort (2013–2024)

Journal:

Journal of Robotic Surgery

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