

Supplementary Table 1. Relationship between preoperative STB and CR-POPF

Factor	Risk score					
	Low			High		
	Non POPF	BL	CR-POPF	Non POPF	BL	CR-POPF
Elevated STB	98	20	8	22	15	33
Normal STB	50	16	6	10	6	14

POPF: postoperative pancreatic fistula; CR: clinically relevant; BL: biochemical leak; STB: serum total bilirubin.

Supplementary Table 2. Relationship between pancreatic duct stent and CR-POPF (n=298).

	POPF			Risk score system	
	Non POPF	BL	CR-POPF	Low	High
No stent	42	8	10	40	20
Internal stent	82	17	36	80	55
External stent	61	27	15	78	25

POPF: postoperative pancreatic fistula; CR: clinically relevant; BL: biochemical leak.

Supplementary Table 3. Comparison between different risk scoring systems for CR-POPF

Scoring systems		AUC	Sensitivity	Specificity	PPV	NPV	PLR	NLR
Test system 1	1	0.668	71.1%	57.6%	29.7%	88.8%	1.67	0.50
Test system 2	2	0.746	57.9%	82.8%	45.8%	88.7%	3.36	0.50
Test system 3	3	0.749	50.0%	85.4%	46.3%	87.1%	3.42	0.59
Our system		0.824	80.3%	78.4%	49%	93.9%	3.71	0.25

AUC: area under receiver operating characteristic curve; PPV: positive predictive value; NPV: negative predictive value; PLR: positive likelihood ratio; NLR: negative likelihood ratio.