

Supplementary Table 1. Baseline characteristics and Clinical outcomes in the cohorts of false negative and positive based on optimal cut off value (119.5 IU/L) of 4-hours amylase, mean $\pm$ SD/*n* (%)

Variable	False negative (n = 18)	False positive (n = 342)	<i>P</i> value
Age, years	58.4 $\pm$ 14.1	63.9 $\pm$ 17.8	0.13
Male gender	10 (55.6)	198 (57.9)	> 0.999
BMI, kg/m ²	24.4 $\pm$ 4.0	23.7 $\pm$ 4.3	0.458
Smoking	3 (16.7)	71 (20.8)	> 0.999
Alcohol intake	5 (27.8)	100 (29.2)	> 0.999
Amounts of alcohol (g)	0.7 $\pm$ 0.5	3.4 $\pm$ 4.8	< 0.001
History of acute pancreatitis	2 (11.1)	14 (4.1)	0.187
Initial laboratory findings			
AST, IU/L	207.2 $\pm$ 184.5	157.5 $\pm$ 192.0	0.281
ALT, IU/L	271.2 $\pm$ 233.2	173.0 $\pm$ 209.4	0.097
GGT, g/dL	552.7 $\pm$ 523.0	422.0 $\pm$ 448.3	0.312
Total bilirubin, mg/dL	6.6 $\pm$ 7.7	3.6 $\pm$ 5.4	0.116
Amylase, IU/L	54.5 $\pm$ 22.9	83.1 $\pm$ 51.6	< 0.001
Lipase, IU/L	43.2 $\pm$ 28.3	80.3 $\pm$ 118.6	< 0.001
Acute cholangitis on admission	11 (61.1)	126 (36.8)	0.069
PTBD prior to ERCP	1 (5.6)	2 (0.6)	0.143
PTGBD prior to ERCP	1 (5.6)	12 (3.5)	0.493

Total procedure time, minute	16.3 ± 5.6	17.7 ± 10.9	0.346
Selective deep cannulation time, minute	5.6 ± 3.3	6.1 ± 7.1	0.541
Primary infundibulotomy	0 (0.0)	37 (10.8)	0.236
Difficult cannulation	10 (55.6)	154 (45.0)	0.528
Pancreatic duct cannulation			0.373
No	8 (44.4)	202 (59.1)	
Unintended PD	10 (55.6)	132 (38.6)	
Intended PD	0 (0.0)	8 (2.3)	
Pancreatic sphincterotomy	8 (44.4)	87 (25.4)	0.097
EPBD	3 (16.7)	52 (15.2)	0.745
Endoscopic sphincterotomy	17 (94.4)	299 (87.4)	0.71
Biliary stent placement	13 (72.2)	253 (74.0)	0.79
Pancreatic stent placement	5 (27.8)	117 (34.2)	0.759
PEP	18 (100.0)	0 (0.0)	< 0.001
Moderately severe to severe PEP	4 (22.2)	0 (0.0)	< 0.001
Hyperamylasemia	17 (94.4)	71 (20.8)	< 0.001
Total adverse events	18 (100.0)	22 (6.4)	< 0.001
Perforation	0 (0.0)	0 (0.0)	> 0.999
Significant bleeding	1 (5.6)	12 (3.5)	0.493
Post-ERCP cholecystitis	0 (0.0)	7 (2.0)	> 0.999

Laboratory findings at 4 hours after ERCP

AST, IU/L	169.1 ± 121.2	128.5 ± 149.6	0.187
ALT, IU/L	239.8 ± 186.5	168.5 ± 201.7	0.131
Total bilirubin, mg/dL	6.9 ± 8.4	3.5 ± 5.0	0.097
Amylase, IU/L	68.3 ± 32.4	301.6 ± 370.2	< 0.001
Lipase, U/L	123.1 ± 87.2	660.6 ± 1314.9	< 0.001

Laboratory findings at 24 hours after ERCP

AST, IU/L	118.8 ± 78.5	101.3 ± 127.2	0.384
ALT, IU/L	197.5 ± 146.1	157.0 ± 213.7	0.278
Total bilirubin, mg/dL	6.5 ± 7.8	2.9 ± 4.2	0.07
Amylase, IU/L	698.1 ± 375.0	285.7 ± 348.0	< 0.001
Lipase, IU/L	1660.8 ± 1037.7	437.0 ± 761.8	< 0.001

Length of hospitalization, days	11.0 ± 7.1	7.4 ± 6.6	0.05
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BMI: Body mass index; WBC: White blood cell; Hb: Hemoglobin; AST: Aspartate transaminase; ALT: Alanine transaminase; GGT: Gamma glutamyl transpeptidase; PTBD: Percutaneous transhepatic biliary drainage; ERCP: Endoscopic retrograde cholangiopancreatography; PTGBD: Percutaneous transhepatic gallbladder drainage; PD: Pancreatic duct; EPBD: Endoscopic papillary balloon dilatation.