

Table S1. Univariate and multivariate analyses of the factors associated with reduced length of hospitalization (≤ 10 days).

Variants	Hospital Stay	Hospital Stay	Univariate	<i>p</i> -Value	Multivariate	<i>p</i> -Value
	(≤ 10 days)	(>10 days)	OR (95% C.I.)		OR (95% C.I.)	
	n = 68 (%)	n = 55 (%)				
Clinical factors						
Age ≥ 75 y/o	29(42.6)	28(50.9)	0.907(0.339–2.426)	0.846		
Male gender	41(60.3)	31(56.4)	0.707(0.300–1.667)	0.428		
BMI ≥ 24	30(57.7)	27(60.0)	0.755(0.287–1.984)	0.569		
Diabetes	16(23.5)	19(34.5)	1.659(0.499–5.513)	0.409		
Hypertension	36(52.9)	36(65.5)	1.739(0.605–5.002)	0.305		
Cerebrovascular accident	3(4.4)	3(5.5)	0.428(0.058–3.140)	0.404		

Coronary artery disease	11(16.2)	14(25.5)	1.105(0.327–3.734)	0.872		
Liver cirrhosis	1(1.5)	7(12.7)	9.521(0.969–93.526)	0.053	0.109 (0.012–0.965)	0.046
Chronic kidney disease (eGFR < 60 mL/min/1.73 ²)	5(7.4)	12(21.8)	1.940(0.411–9.170)	0.403		
Moderate acute cholangitis	27(39.7)	22(40.0)	1.668(0.637–4.367)	0.298		
Laboratory factors						
WBC ≥ 12,000 or < 4000 (×10 ³ /μL)	30(44.1)	28(50.9)	0.789(0.320–1.947)	0.607		
CRP ≥ 100 (U/I)	19(28.4)	17(31.5)	0.572(0.222–1.469)	0.245		
Bilirubin ≥ 5 (mg/dL)	30(44.1)	24(44.4)	0.768(0.322–1.832)	0.551		

Endoscopic factors

Stone \geq 1.5 cm	8(11.8)	9(16.4)	0.785(0.235–2.624)	0.695		
ERBD	15(22.1)	16(29.1)	0.452(0.179–1.141)	0.093		
ERCP timing \leq 72 h	55(80.9)	28(50.9)	5.287(2.060–13.569)	<0.001	3.981 (1.753–9.040)	0.001

Abbreviations: OR, odds ratio; BMI, body mass index; WBC, white blood count; CRP, C-reactive protein; ERBD, Endoscopic retrograde biliary drainage;

ERCP, endoscopic retrograde cholangiopancreatography.

Table S2. Univariate and multivariate analyses of the factors associated with failure of the CBD stone extraction (excluding cases with cannulation failure).

Variants		Success Rate	Univariate	<i>p</i> -Value	Multivariate	<i>p</i> -Value
		n (%)	OR (95% C.I.)		OR (95% C.I.)	
Age (y/o)	≥ 75	50/54 (92.6)	5.040(0.546–46.522)	0.154		
	<75	63/64(98.4)				
Stage of acute cholangitis	Moderate	47/49(95.9)	0.936(0.150–5.824)	0.944		
	Mild	66/69(89.2)				
CRP	≥100	32/35(91.4)	3.703(0.591–23.217)	0.162		
	<100	79/81(97.5)				
WBC ≥ 12,000	(+)	55/57(96.5)	0.703(0.113–4.369)	0.705		
or < 4000 (×1000/μL)	(-)	58/61(95.1)				

ERCP timing	>72 h	35/37(94.6)	0.673(0.108–4.209)	0.672		
	≤72 h	78/81(96.3)				
Diverticulum	(+)	50/51(98.0)	0.315(0.034–2.908)	0.308		
	(-)	63/67(94.0)				
Stone (cm)	≥1.5	13/16(81.3)	11.538(1.760–75.632)	0.011	9.263 (1.315–65.226)	0.025
	<1.5	100/102(98.0)				
Distal CBD narrowing	(+)	25/27(92.6)	2.347(0.371–14.828)	0.352		
	(-)	88/91(96.7)				
EPBD	(+)	104/108(96.3)	0.346(0.035–3.434)	0.364		
	(-)	9/10(90.0)				
EPT	(+)	18/21(85.7)	7.917(1.234–50.793)	0.029	6.167(0.874–43.503)	0.068

(-)	95/97(97.9)
-----	-------------

Abbreviations: CBD, common bile duct; OR, odd, ratio; CRP, C-reactive protein; WBC, white blood count; ERCP, endoscopic retrograde cholangiopancreatography; EPBD, endoscopic papillary balloon dilation; EST, endoscopic sphincterotomy.