

Supplementary Table 1. Univariate and multivariate analysis of factors affecting surgical site infection after laparoscopic appendectomy

Characteristic	No SSI	SSI	P-value	OR (95% CI)	P-value
No. of patients	461	36			
Age (yr)	42.5 ± 15.9	39.7 ± 11.8	0.189		
Sex			0.864		
Male	235 (51.0)	19 (52.8)			
Female	226 (49.0)	17 (47.2)			
Body mass index (kg/m ²)	23.5 ± 3.8	23.0 ± 4.0	0.469		
Hypertension			> 0.999		
No	402 (87.2)	32 (88.9)			
Yes	59 (12.8)	4 (11.1)			
Diabetes mellitus			0.658		
No	442 (95.9)	34 (94.4)			
Yes	19 (4.1)	2 (5.6)			
ASA PS classification			0.682		
I	255 (55.3)	21 (58.3)			
II	197 (42.7)	15 (41.7)			
≥ III	9 (2.0)	0 (0.0)			
Smoking history			0.523		
No	367 (79.6)	27 (75.0)			
Yes	94 (20.4)	9 (25.0)			
Previous surgical history			0.579		
No	411 (89.2)	31 (86.1)			
Yes	50 (10.8)	5 (13.9)			
Preoperative body temperature (°C)	37.2 ± 0.5	37.4 ± 0.6	0.008	1.502 (0.933–1.759)	0.059
Preoperative WBC count (10 ⁹ /L)	11.8 ± 4.0	12.4 ± 3.6	0.388		
Preoperative CRP level (mg/L)	0.7 ± 1.2	1.9 ± 3.0	< 0.001	1.367 (1.109–1.550)	0.009
Maximal appendix diameter (mm)	10.2 ± 2.3	12.2 ± 3.3	0.001	1.390 (1.210–1.597)	< 0.001
Appendicolith			0.021		0.475
No	332 (72.0)	19 (52.8)		1	
Yes	129 (28.0)	17 (47.2)		1.317 (0.619–2.802)	
Interval between diagnosis and surgery (min)	439.4 ± 270.6	475.1 ± 298.8	0.449		
Surgeon			0.242		
A	89 (19.3)	12 (33.3)			
B	96 (20.8)	7 (19.4)			
C	92 (20.0)	3 (8.3)			
D	64 (13.9)	3 (8.3)			
E	81 (17.6)	7 (19.4)			
F	39 (8.5)	4 (11.1)			
Operative time (min)	39.5 ± 17.7	44.3 ± 18.5	0.116		
Surgeon A	46.9 ± 22.9	44.3 ± 20.8	0.711		
Surgeon B	32.3 ± 11.8	30.3 ± 13.3	0.659		
Surgeon C	45.9 ± 18.2	48.3 ± 10.4	0.820		
Surgeon D	30.8 ± 12.5	39.0 ± 10.5	0.267		
Surgeon E	40.1 ± 16.0	52.4 ± 16.7	0.054		
Surgeon F	38.2 ± 12.2	55.7 ± 22.7	0.015		

Values are presented as mean ± standard deviation or number (%).

SSI, surgical site infection; OR, odds ratio; CI, confidence interval; ASA, American Society of Anesthesiologists; PS, physical status; WBC, white blood cell; CRP, C-reactive protein.