

Supplementary Table 1. Comparison of the Characteristics of Survivors and Non-Survivors

	Survivor (n=2519)	Non-survivor (n=52)	p value
Age (yr)	47.0 (33.0–59.0)	75.5 (62.0–83.7)	<0.001
Sex (male)	1239 (49.2)	26 (50.0)	>0.999
Laboratory test			
Hemoglobin <10 (g/dL)	58 (2.3)	13 (25.0)	<0.001
Abnormal WBC count (10 ³ /uL)	1758 (70.2)	33 (63.5)	0.297
Neutrophil count >80 (%)	1142 (45.6)	31 (59.6)	0.044
C-reactive protein >1.0 (mg/dL)	1528 (61.7)	43 (82.7)	0.002
Blood urea nitrogen >20 (mg/dL)	248 (10.0)	27 (51.9)	<0.001
Creatinine >1.0 (mg/dL)	348 (14.0)	30 (57.7)	<0.001
Albumin <3.0 (g/dL)	76 (3.3)	24 (46.2)	<0.001
Total bilirubin >2.0 (mg/dL)	156 (6.3)	3 (5.8)	0.884
Vital sign			
SBP <90 (mm Hg)	34 (1.3)	7 (13.5)	<0.001
Pulse rate >100 (bpm)	296 (11.5)	21 (40.4)	<0.001
Body temperature >37.8 (°C)	416 (16.5)	8 (15.4)	0.828
Diagnosis			<0.001
Appendicitis	2112 (83.8)	12 (23.1)	
Cholecystitis	192 (7.6)	1 (1.9)	
Major emergency surgery	215 (8.6)	39 (75.0)	
Number of residents on 24-hr shift			0.697
1	482 (19.1)	10 (19.2)	
2	1744 (69.2)	34 (65.4)	
3	293 (11.6)	8 (15.4)	
Time from ER arrival to surgery (min)	438.0 (331.0–638.0)	452.5 (340.5–605.5)	0.948
Length of hospital stay (day)	4 (4–6)	16.5 (9.25–27.0)	<0.001
SLRW implementation	1100 (43.7)	18 (34.6)	0.192

SLRW, special law on restriction of working hours in training; ER, emergency room; SBP, systolic blood pressure.

Data are presented as interquartile range or n (%).