

Supplementary Table 1. Univariate linear and logistic regression of patient, disease and surgical variables and hospital length of stay (LOS)

Patient variable	Univariate linear regression LOS (95% CI) (day)	P-value	Univariate logistic regression for LOS of ≤ 6 vs. > 6 days OR (95% CI)	P-value
Male sex	8.4 (6.4–10.5) vs. 8.8 (3.6–14.0)	0.819	2.048 (1.097–3.825)	0.024
Age	B 0.108 (S.E. 0.063)	0.093	No estimate	
ASA PS classification				
I	7.4 (1.4–13.4)	0.023	Reference	0.267
II	6.6 (5.6–7.5)		1.755 (0.512–6.021)	0.371
III	11.2 (7.8–14.6)		2.521 (0.731–8.694)	0.143
BMI	No estimate		0.987 (0.930–1.047)	0.659
HbA1c	No estimate		1.076 (0.734–1.579)	0.707
Disease variable				
Cancer	8.8 (7–10.5) vs. 7.8 (4.3–11.3)	0.619	1.261 (0.571–2.782)	0.566
Crohn disease	5.5 (0–37.3) vs. 8.6 (7.0–10.2)	0.671	1.386 (0.085–22.534)	0.819
Ulcerative colitis	No estimate	No estimate	No estimate	No estimate
Diverticulitis	7.7 (5.2–10.2) vs. 8.6 (7.0–10.3)	0.751	1.200 (0.385–3.737)	0.753
Volvulus	No estimate	No estimate	No estimate	No estimate
Others	9.2 (1.3–17.2) vs. 8.5 (6.9–10.1)	0.804	0.749 (0.240–2.339)	0.619
Surgical variable				
Surgical access	10.8 (6.3–15.26)	0.0697	Reference	0.024
Open	7.0 (5.1–9.0)		0.51 (0.19–1.33)	0.167
Laparoscopic	10.6 (6.0–15.2)		2.17 (0.59–7.99)	0.246
Conversion to open	12.2 (8.1–16.4)		1.09 (0.33–3.62)	0.887
Hybrid				
Type of procedure				
Right	6.7 (5.4–7.9)	0.419	Reference	0.098
Left	6.5 (3.5–9.6)		1.714 (0.225–13.086)	0.603
High anterior resection	9.5 (4.6–14.5)		0.719 (0.310–1.669)	0.442
Low anterior resection	11.0 (7.7–14.3)		2.743 (1.184–6.354)	0.019
Unspecified	8.7 (4.7–12.7)		1.286 (0.262–6.310)	0.757
Other	8.6 (7–10.1)		1.371 (0.468–4.015)	0.564

ASA, American Society of Anesthesiologist; PS, physical status; HbA1c, glycosylated haemoglobin A1c; BMI, body mass index; LOS, length of stay.