

Table S2. Operative outcomes (crude)

	With ESSQS (n=2644)	Without ESSQS (n=544)	P-value
Operative time (min)	301 (126)	304 (118)	0.63
Blood loss (mL)	99 (265)	100 (224)	0.94
Conversion	28 (1.1%)	37 (6.8%)	<0.001
Intraoperative complication	46 (1.7%)	12 (2.2%)	0.46
Postoperative complication (G3)	332 (12.5%)	77 (14.1%)	0.31
Intraperitoneal bleeding (G3)	11 (0.4%)	2 (0.4%)	0.87
Anastomotic bleeding (G3)	16 (0.6%)	6 (1.1%)	0.23
Anastomotic leakage (G3)	159 (6.0%)	34 (6.2%)	0.82
Intraperitoneal abscess (G3)	51 (1.9%)	12 (2.2%)	0.67
Wound infection (G3)	30 (1.1%)	9 (1.7%)	0.33
Ileus (G3)	51 (1.9%)	13 (2.4%)	0.48
Other postoperative complications (G3)	42 (1.6%)	10 (1.8%)	0.68
Reoperation	125 (4.7%)	29 (5.3%)	0.52
Postoperative hospital stay (days)	17.2 (14.8)	17.9 (15.6)	0.33
Number of harvested lymph nodes	22.2 (12.2)	18.1 (10.9)	<0.001
Pathological R0 resection	2583 (99%)	528 (98%)	0.11

Abbreviations: ESSQS, intervention by surgeons qualified by the Endoscopic Surgical Skill Qualification System; CI, confidence interval; G3, grade 3 according to the Clavien-Dindo classification system; SD, standard deviation. Continuous data are described as mean (standard deviation)