

Table 5: Multiple regression analysis of intraoperative outcomes, postoperative complications and biochemical markers of systemic inflammation in robotic assisted and laparoscopic surgery for colorectal cancer

Variable	Coefficient		95% CI	P-value
	RCS (n=143)	LCS (n=155)		
Surgical complications (OR, 95%CI)	1	1.70	0.82-3.52	0.152 [§]
Medical complications (OR, 95%CI)	1	1.09	0.58-2.05	0.780 [§]
Intraoperative blood loss (IRR, 95%CI)	1	1.90	1.48-2.45	< 0.001 [*]
Operative time (IRR, 95%CI)	1	1.03	1.01-1.04	< 0.001 [#]
Length of stay (IRR, 95%CI)	1	1.28	1.23-1.33	< 0.001 [#]
Time to first flatus (IRR, 95%CI)	1	0.96	0.80-1.15	0.659 [#]
Time to first stool (IRR, 95%CI)	1	0.95	0.82-1.10	0.469 [#]
Harvested lymph nodes (IRR,95%CI)	1	0.92	0.88-0.95	< 0.001 [#]
CRP (EC, 95%CI)	1	1.20	1.04-1.40	< 0.001
Leukocytes (EC, 95%CI)	1	1.05	0.99-1.11	0.138

Represented values of regression analysis for LCS where RCS is the reference value. All analyses were adjusted for ASA-score, T-stage and neoadjuvant chemotherapy. OR = odds ratio, CI = confidence interval, IRR = incidence rate ratio, EC = exponentiated coefficient.

§ = ordinal logistic regression, * = negative binomial regression, # = Poisson regression, | = multilevel mixed effect linear regression