

LOGISTIC REGRESSION FOR MAJOR POSTOPERATIVE COMPLICATIONS

VARIABLE	UNIVARIATE BINARY REGRESSION			MULTIVARIATE BINARY REGRESSION		
	OR	95% CI	p	OR	95% CI	p
Duration of surgery (minutes)	1.010	1.007-1.014	<0.001	1.009	1.005-1.013	<0.001
Number of anastomoses	0.403	0.198-0.836	0.013	0.464	0.190-1.041	0.078
Stoma (number)	2.379	1.140-4.617	0.014	0.749	0.266-1.881	0.560
Disease duration (years)	1.059	1.028-1.090	<0.001	1.019	0.982-1.056	0.312
Previous surgeries (number)	1.364	1.125-1.642	0.001	0.948	0.728-1.213	0.676
Microscopically positive resection margins	1.791	0.975-3.329	0.061	1.371	0.704-2.678	0.352
Ileocolic resection (None)	2.620	1.420-4.942	0.002	1.244	0.603-2.580	0.554
Anastomotic resection	0.462	0.246-0.896	0.018	0.512	0.236-1.127	0.091
Surgical approach (Open)	3.116	1.539-6.996	0.003	1.549	0.681-3.778	0.312
Smoking status (non-smoker)	1.384	0.745-2.658	0.314	1.176	0.595-2.388	0.645
Age (years)	1.016	0.993-1.038	0.170			
Strictureplasty	1.279	0.942-1.646	0.075			
BMI	0.994	0.934-1.008	0.743			
TNFi (post operation)	0.608	0.275-1.539	0.250			
Gender (Male)	1.628	0.877-3.126	0.130			
Surgical recurrence (No)	1.080	0.477-2.214	0.842			
Right hemicolectomy (None)	1.543	0.602-5.240	0.420			
Colonic resection	0.595	0.305-1.235	0.142			

Table 2. Univariable and multivariable binary logistic regression analysis evaluating factors impacting on occurrence of major complications.

Abbreviations: BMI body mass index; CI Confidence interval; OR odds ratio; TNFi tumor necrosis factor alpha inhibitor