

Table 3: Comparison of postoperative outcomes and complications of included patients operated for malignant colorectal neoplasm

Postoperative outcomes and complications	Level	RCS, n =143	LCS, n = 159	p-value
Length of hospital stay, median (IQR), days		4 (4-5)	5 (4-7)	< 0.001 ¹
Time to first flatus, median (IQR), days		2 (1-2)	1 (1-2)	0.145 ¹
Time to first stool, median (IQR), days		3 (2-3)	2 (1-3)	0.033 ¹
Surgical complications (Clavien Dindo), n (%)	I-II	7 (4.9%)	11 (7.1%)	0.519 ⁸
	III-V	8 (5.6%)	13 (8.4%)	
Type of surgical complication (Clavien Dindo I-V), n (%)	Postoperative bleeding	3 (2.1%)	4 (2.6%)	
	Ileus	1 (0.7%)	2 (1.3%)	
	Wound abscess	3 (2.1%)	3 (1.9%)	
	Intraabdominal abscess	0 (0%)	1 (0.6%)	
	Stoma complication	1 (0.7%)	5 (3.2%)	
	Anastomotic leakage	0 (0%)	1 (0.6%)	
	Other	7 (4.9%)	8 (5.2%)	
Medical complications (Clavien Dindo), n (%)	I-II	18 (12.5%)	28 (18.1%)	0.340 ⁸
	III-V	6 (4.2%)	3 (1.9%)	
Type of medical complication (Clavien Dindo I-V), n (%)	Acute myocardial infarction	0 (0%)	1 (0.6%)	
	Pneumonia	3 (2.1%)	8 (5.2%)	
	Cardiac insufficiency	3 (2.1%)	3 (1.9%)	
	Pulmonary embolism	1 (0.7%)	3 (1.9%)	
	Respiratory insufficiency	3 (2.1%)	5 (3.2%)	
	Renal insufficiency	2 (1.4%)	4 (2.6%)	
	Sepsis	1 (0.7%)	0 (0%)	
	Other	11 (7.7%)	7 (4.5%)	
Mortality, n (%)		3 (2.1%)	1 (0.6%)	0.500 [#]
CRP, median (IQR), mg/L	Day 1	43 (26-61)	50 (31-81)	0.027 ¹
	Day 2	70.5 (48-120)	82 (46-127)	0.133 ¹
	Day 3	64 (40-105)	82 (46-127)	0.037 ¹
	Day 4	43 (26-72.5)	53 (34-93)	0.017 ¹

	Day 5	30 (19-66)	44 (26-67)	0.169 ¹
	Day 6	24 (14-78)	32 (20-62)	0.470 ¹
	Day 7	27 (18-54)	35.5 (21-64)	0.358 ¹
Leukocytes, median (IQR), 10 ⁹ /L	Day 1	11 (9-13)	11 (9-13)	0.781 ¹
	Day 2	11 (9-12)	10 (8-12)	0.928 ¹
	Day 3	9 (7-11)	10 (8-12)	0.158 ¹
	Day 4	8 (6-10)	8 (7-11)	0.016 ¹
	Day 5	8 (6-11)	9 (7-10)	0.169 ¹
	Day 6	8 (7-10)	8 (6-10)	0.557 ¹
	Day 7	8.4 (±2.3)	9.0 (±2.9)	0.409 ¹

RCS = robotic-assisted colorectal surgery, LCS = laparoscopic colorectal surgery CRP = C-reactive protein, , § = χ^2 -test, | = Wilcoxon rank sum test