

Supplementary Table 1. Complications in colorectal cancer surgery

Operation	1. Wound complication	2. Urinary retention	3. Bleeding		4. Anastomosis leakage	5. Intra-peritoneal abscess	6. Ileus			7. Cardiovascular			8. Pulmonary		9. Organ injury ^{a)}	10. Others ^{b)}	Total
			Intra-peritoneal	Intra-luminal			AMI	Arrhythmia	PTE	DVT	Pneumonia	ARDS					
RHC	4 (5.1)	1 (1.3)	0 (0)	1 (1.3)	1 (1.3)	0 (0)	8 (10.1)	0 (0)	2 (2.5)	0 (0)	0 (0)	0 (0)	1 (1.3)	2 (2.5)	4 (5.1)	18/79 (22.8)	
Transverse colectomy	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0/1 (0)	
LHC	1 (4.5)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (9.1)	0 (0)	1 (4.5)	1 (4.5)	1 (4.5)	1 (4.5)	0 (0)	2 (9.1)	1 (4.5)	8/22 (36.4)	
AR	3 (3.2)	2 (2.1)	2 (2.1)	1 (1.1)	3 (3.2)	1 (1.1)	2 (2.1)	0 (0)	1 (1.1)	0 (0)	1 (1.1)	1 (1.1)	0 (0)	4 (4.3)	10 (10.6)	26/94 (27.7)	
LAR	8 (7.5)	8 (7.5)	0 (0)	0 (0)	9 (8.4)	10 (9.3)	6 (5.6)	0 (0)	3 (2.8)	1 (0.9)	0 (0)	3 (2.8)	1 (0.9)	5 (4.7)	17 (15.9)	43/107 (40.2)	
ISR	4 (26.7)	1 (6.7)	0 (0)	1 (6.7)	2 (13.3)	4 (26.7)	2 (13.3)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6.7)	0 (0)	0 (0)	2 (13.3)	11/15 (73.3)	
APR	4 (57.1)	3 (42.9)	0 (0)	0 (0)	NA	0 (0)	1 (14.3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	5/7 (71.4)	
Hartmann operation	1 (25.0)	1 (25.0)	0 (0)	0 (0)	NA	0 (0)	1 (25.0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2/4 (50)	
Subtotal/total colectomy	1 (33.3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1/3 (33.3)	
LAR with RHC	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (66.7)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2/3 (66.7)	
Total	26 (7.8)	16 (4.8)	2 (0.6)	3 (0.9)	15 (4.5)	15 (4.5)	24 (7.2)	0 (0)	7 (2.1)	2 (0.6)	2 (0.6)	6 (1.8)	2 (0.6)	11 (3.3)	22 (6.6)	116/335 (34.6)	

Values are presented as number (%).

AMI, acute myocardial infarction; PTE, pulmonary thromboembolism; DVT, deep vein thrombosis; ARDS, acute respiratory distress syndrome; RHC, right hemicolectomy; LHC, left hemicolectomy; anterior resection; LAR, low AR; ISR, intersphincteric resection; APR, abdominal perineal resection; NA, not applicable.

^{a)}Organ injury: other organ injuries like small bowel, duodenum, ascending colon, sigmoid colon, liver; ^{b)}Others include chyle ascites, acute kidney injury, pneumothorax, vulva swelling, non-infected pleural effusion, cerebral infarction, skin rash, gastro-esophageal reflux disease, patient-controlled analgesia-related headache, epidural site swelling, herpes simplex, cystitis, rectovaginal fistula, lower extremities weakness.