

Supplementary Table 1. Comparison of clinicopathological factors among the 4 groups of rectal cancer patients

Factor	Male & no ileostomy	Male & ileostomy	Female & no ileostomy	Female & ileostomy
No. of patients	197	58	136	25
Age (yr)	65.2 (26–87)	65.4 (27–83)	68.8 (25–88)	65.1 (30–88)
Diabetes mellitus	44 (22.3)	18 (31.0)	21 (15.4)	4 (16.0)
Body mass index (kg/m ²)	22.6 (15.9–31.9)	23.8 (15.9–33.1)	22.1 (16.6–33.7)	23.1 (13.2–31.4)
Tumor location				
Rectosigmoid	53 (26.9)	4 (6.9)	41 (30.1)	4 (16.0)
Upper rectum	65 (33.0)	15 (25.9)	50 (36.8)	5 (20.0)
Lower rectum	79 (40.1)	39 (67.2)	45 (33.1)	16 (64.0)
Preoperative CEA (ng/mL)	3.8 (0.5–3,432.0)	3.4 (0.9–76.6)	2.8 (0.5–1,023.0)	3.4 (0.5–28,833.0)
Preoperative CA19-9 (IU/mL)	8.1 (2–283,770)	9.3 (2–595)	8.4 (2–4,937)	11.2 (2–16,051)
Laparoscopic surgery	156 (79.2)	45 (77.5)	120 (88.2)	22 (88.0)
Blood loss volume (mL)	20 (1–2,890)	20 (3–2,165)	15 (2–1,800)	16 (2–1,590)
Surgery time (min)	245 (124–530)	311 (200–621)	226 (125–484)	335 (148–385)
Super low anastomosis (< 3 cm from anal verge)	60 (30.5)	51 (87.9)	63 (46.3)	16 (64.0)
High tie of inferior mesenteric artery	33 (16.8)	12 (20.7)	22 (16.2)	6 (24.0)
No. of stapler for rectal dissection (≥ 2 times)	92 (46.7)	43 (74.1)	33 (24.3)	8 (32.0)
Stage				
0	3 (1.5)	3 (5.2)	1 (0.7)	0 (0)
I	59 (29.9)	9 (15.5)	42 (30.9)	2 (8.0)
II	42 (21.3)	11 (19.0)	29 (21.3)	7 (28.0)
III	67 (34.0)	21 (36.2)	52 (38.2)	12 (48.0)
IV	25 (12.7)	2 (3.4)	12 (8.8)	4 (16.0)
Anastomotic leakage	45 (22.8)	7 (12.1)	18 (13.2)	2 (8.0)

Values are presented as number only, median (range), or number (%).
CEA, carcinoembryonic antigen; CA19-9, carbohydrate antigen 19-9.