

Supplementary Table 3. Patient demographics and clinical characteristics after matching by age and sex

Demographic	Low anterior resection		P-value
	With ileostomy	Without ileostomy	
Patient	201 (62.6)	201 (37.4)	
Age (yr)			0.920
<65	105 (52.2)	106 (52.7)	
≥65	96 (47.8)	95 (47.3)	
Sex			1.000
Male	129 (64.2)	129 (64.2)	
Female	72 (35.8)	72 (35.8)	
Body mass index (kg/m ²)	23.9 ± 3.3	24.5 ± 9.0	0.373
ASA PS classification			0.522
I-II	197 (98.0)	195 (97.0)	
III	4 (2.0)	6 (3.0)	
Comorbidity			0.069
Yes	94 (46.8)	76 (37.8)	
No	107 (53.2)	125 (62.2)	
Renal	1 (0.5)	2 (1.0)	1.000
Cardiovascular	7 (3.5)	8 (4.0)	0.792
Pulmonary	6 (3.0)	14 (7.0)	0.067
CNS	7 (3.5)	4 (2.0)	0.359
DM	35 (17.4)	35 (17.4)	1.000
HTN	48 (23.9)	84 (41.8)	<0.001
Hyperlipidemia	8 (4.0)	7 (3.5)	0.792
Previous abdominal surgery			0.117
Yes	48 (23.9)	62 (30.9)	
No	153 (76.1)	139 (69.2)	
Tumor location from AV	9.3 ± 3.9	9.7 ± 4.2	0.380
Surgical approach			0.050
Laparoscopic	182 (90.6)	192 (95.5)	
Open	19 (9.5)	9 (4.5)	
Operation time (10 min)	28.8 ± 10.9	20.5 ± 7.4	<0.001
Blood loss (mL)			<0.001
<400	159 (79.1)	186 (92.5)	
≥400	42 (20.9)	15 (7.5)	
Neoadjuvant CRT			<0.001
Yes	116 (57.7)	10 (5)	
No	85 (42.3)	191 (95)	
Postoperative CTx			0.041
Yes	132 (65.7)	112 (55.7)	
No	69 (34.3)	89 (44.3)	
CTx regimen			<0.001
FL	69 (52.3)	25 (22.3)	
Xeloda	19 (14.4)	33 (29.5)	
FOLFOX	31 (23.5)	50 (44.6)	
FOLFIRI	1 (0.8)	0 (0)	
UFT	12 (9.1)	4 (3.6)	
Pathologic T stage			0.424
T1	35 (17.4)	40 (19.9)	
T2	42 (20.9)	38 (18.9)	
T3	111 (55.2)	102 (50.8)	
T4	13 (6.5)	21 (10.5)	
S stage			0.999
S1	59 (29.4)	60 (29.9)	
S2	50 (24.9)	49 (24.4)	
S3	81 (40.3)	81 (40.3)	
S4	11 (5.5)	11 (5.5)	

Supplementary Table 3. Continued

Demographic	Low anterior resection		P-value
	With ileostomy	Without ileostomy	
Length of stay (day)	11.4 ± 6.3	10.3 ± 5.4	0.066
Readmission			0.083
Yes	48 (23.9)	34 (16.9)	
No	153 (76.1)	167 (83.1)	
Readmission during postoperative CTx			0.466
Yes	23 (62.2)	16 (53.3)	
No	14 (37.8)	14 (46.7)	
Readmission related to dehydration			0.661
Yes	12 (6.0)	10 (5.0)	
No	189 (94.0)	191 (95.0)	
Readmission related to dehydration during postoperative CTx			1.000
Yes	8 (80.0)	7 (70.0)	
No	2 (20.0)	3 (30.0)	
Length of stay during readmission (day)	4.1 ± 4.9	4.4 ± 10.4	0.902
Time to readmission from discharge (day)	23.5 (1–294)	48 (1–409)	0.099
Time to ileostomy reversal (day)	165 (37–322)	-	

Values are presented as number (%), mean ± standard deviation, or median (range).

LAR, low anterior resection; ASA, American Society of Anesthesiologists; PS, physical status; AV, anal verge; CRT, chemoradiotherapy; CTx, chemotherapy; FL, 5-fluorouracil/leucovorin; Xeloda, capecitabine; FOLFOX, 5-fluorouracil/leucovorin/oxaliplatin; FOLFIRI, 5-fluorouracil/leucovorin/irinotecan; UFT, uracil/tegafur.