

Supplementary Table 2. Operative and postoperative details of all patients

Variable	Entire cohort			Case-matched		
	ALT group (n = 816)	No-ALT group (n = 235)	P-value	ALT group (n = 219)	No-ALT group (n = 219)	P-value
Duration of operation (min)	129.8 ± 54.4	139.3 ± 47.5	0.010	136.6 ± 58.6	141.1 ± 47.7	0.373
Blood loss (mL)	37.1 ± 49.3	52.4 ± 61.1	0.001	39.4 ± 37.1	53.5 ± 62.6	0.004
Intraoperative transfusion	3 (0.4)	1 (0.4)	>0.999	1 (0.5)	1 (0.5)	>0.999
Anastomotic level from AV (cm)	6.9 ± 4.1	6.6 ± 4.5	0.367	6.4 ± 4.0	6.5 ± 4.4	0.882
Number of linear staplers	1.3 ± 0.6	1.5 ± 0.5	<0.001	1.5 ± 0.6	1.6 ± 0.5	0.618
Postoperative hospital stay (day)	8.6 ± 11.5	9.8 ± 5.3	0.017	8.0 ± 3.2	10.0 ± 5.4	<0.001
Protective Stoma	127 (15.6)	32 (13.6)	0.528	35 (16.0)	32 (14.6)	0.791
Air leak test						
Negative	809 (9.1)			217 (99.1)		
Positive	7 (0.9)			2 (0.9)		
Morbidity						
Leakage	25 (3.1)	9 (3.8)	0.707	10 (4.6)	9 (4.1)	>0.999
Minor	12	5		6	5	
Major	13	4		4	4	
Urinary retention	8 (1.0)	4 (1.7)		3 (1.4)	4 (1.8)	
Bleeding, intraluminal	2 (0.2)	0 (0)		1 (0.5)	0 (0)	
Rectovaginal fistula	2 (0.2)	1 (0.4)		0 (0)	1 (0.5)	
Pneumonia	1 (0.1)	0 (0)		1 (0.5)	0 (0)	
Ischemia	1 (0.1)	1 (0.4)		0 (0)	1 (0.5)	
Wound infection	2 (0.2)	3 (1.3)		0 (0)	2 (0.9)	
Urinary tract infection	1 (0.1)	0 (0)		0 (0)	0 (0)	
Ileus	5 (0.6)	0 (0)		0 (0)	0 (0)	
Chyle leakage	3 (0.4)	0 (0)		0 (0)	0 (0)	
Bleeding, intraabdominal	3 (0.4)	0 (0)		0 (0)	0 (0)	
Complication, CD grade						
I-II	34 (4.2)	12 (5.1)	0.660	10 (4.6)	11 (5.0)	>0.999
III-IV	19 (2.3)	6 (2.6)	>0.999	5 (2.3)	6 (2.7)	>0.999

Values are presented as mean ± standard deviation, number (%), or number only.
 ALT, air leak test; AV, anal verge; CD, Clavien-Dindo classification.