

Supplementary Table 4. Logistic regression of overall readmission and readmission related to dehydration after matching by age and sex

Variable	Total (n = 402)	Readmission	Univariable		Readmission for dehydration	Univariable	
			OR (95% CI)	P-value		OR (95% CI)	P-value
Age (yr)							
<65	211 (52.5)	43 (52.4)	1 (Ref)		9 (42.9)	1 (Ref)	
≥65	191 (47.5)	39 (47.6)	1.002 (0.617–1.629)	0.992	12 (57.1)	1.505 (0.620–3.654)	0.367
Sex							
Male	258 (64.2)	49 (59.8)	1 (Ref)		12 (57.1)	1 (Ref)	
Female	144 (35.8)	33 (40.2)	1.268 (0.771–2.086)	0.350	9 (42.9)	1.367 (0.562–3.326)	0.491
Body mass index			0.951 (0.877–1.031)	0.225		0.971 (0.846–1.114)	0.671
ASA PS classification							
I–II	392 (97.5)	82 (100)			21 (100)		
III	10 (2.5)	0 (0)	–		0 (0)	–	
Comorbidity							
No	170 (42.3)	31 (37.8)	1 (Ref)		9 (42.9)	1 (Ref)	
Yes	232 (57.7)	51 (62.2)	1.263 (0.768–2.079)	0.358	12 (57.1)	0.976 (0.402–2.371)	0.957
Previous abdominal surgery							
No	292 (72.6)	63 (76.8)	1 (Ref)		15 (71.4)	1 (Ref)	
Yes	110 (27.4)	19 (23.2)	0.759 (0.430–1.339)	0.341	6 (28.6)	1.065 (0.403–2.819)	0.899
Surgical approach							
Laparoscopic	374 (93.0)	73 (89.0)	1 (Ref)		20 (95.2)	1 (Ref)	
Open	28 (7.0)	9 (11.0)	1.953 (0.849–4.494)	0.115	1 (4.8)	0.656 (0.085–5.073)	0.686
Operation time (10 min)			1.022 (0.999–1.045)	0.057		0.992 (0.948–1.038)	0.726
Blood loss (mL)							
<400	345 (85.8)	66 (80.5)	1 (Ref)		19 (90.5)	1 (Ref)	
≥400	57 (14.2)	16 (19.5)	1.65 (0.872–3.119)	0.124	2 (9.5)	0.624 (0.141–2.754)	0.534
Neoadjuvant CRT							
No	276 (68.7)	57 (69.5)	1 (Ref)		14 (66.7)	1 (Ref)	
Yes	126 (31.3)	25 (30.5)	0.951 (0.562–1.609)	0.852	7 (33.3)	1.101 (0.433–2.798)	0.840
Postoperative CTx							
No	158 (39.3)	18 (22.0)	1 (Ref)		2 (9.5)	1 (Ref)	
Yes	244 (60.7)	64 (78.1)	2.765 (1.568–4.878)	<0.001	19 (90.5)	6.586 (1.512–28.679)	0.012
Stage							
1	119 (29.6)	17 (20.7)	1 (Ref)	0.171	3 (14.3)	1 (Ref)	0.469
2	99 (24.6)	21 (25.6)	1.615 (0.799–3.266)	0.858	6 (28.6)	2.494 (0.607–10.241)	0.533
3	162 (40.3)	37 (45.1)	1.776 (0.945–3.338)	0.791	11 (52.4)	2.816 (0.768–10.326)	0.312
4	22 (5.5)	7 (8.5)	2.800 (0.996–7.872)	0.155	1 (4.8)	1.841 (0.183–18.553)	0.970
Length of stay			1.032 (0.995–1.070)	0.091		0.982 (0.901–1.072)	0.689
Ileostomy							
No	201 (50.0)	34 (41.5)	1 (Ref)		9 (42.9)	1 (Ref)	
Yes	201 (50.0)	48 (58.5)	1.541 (0.943–2.518)	0.084	12 (57.1)	1.354 (0.558–3.289)	0.503

Values are presented as number (%) unless otherwise specified.

OR, odds ratio; CI, confidence interval; Ref, reference; ASA, American Society of Anesthesiologists; PS, physical status; CRT, chemoradiotherapy; CTx, chemotherapy.

After the backward elimination method, only postoperative CTx was identified as a significant factor for overall readmission and readmission related to dehydration; this finding is consistent with the univariate analysis.