

**Supplementary Table 5.** Cox proportional hazard model of overall readmission and readmission related to dehydration after matching by age and sex

Variable	No.	Readmission	Univariable		Readmission for dehydration	Univariable	
			HR (95% CI)	P-value		HR (95% CI)	P-value
Age (yr)							
<65	211	43	1 (Ref)		9	1 (Ref)	
≥65	191	39	1.017 (0.66–1.569)	0.938	12	1.498 (0.631–3.555)	0.359
Sex							
Male	258	49	1 (Ref)		12	1 (Ref)	
Female	144	33	1.233 (0.793–1.918)	0.351	9	1.376 (0.580–3.265)	0.469
Body mass index	402	82	0.948 (0.881–1.020)	0.150	21	0.959 (0.833–1.105)	0.563
ASA PS classification							
I–II	392	82			21		
III	10	0	–		0	–	
Comorbidity							
No	170	31	1 (Ref)		9	1 (Ref)	
Yes	232	51	1.245 (0.796–1.945)	0.337	12	1.007 (0.424–2.391)	0.987
Previous abdominal surgery							
No	292	63	1 (Ref)		15	1 (Ref)	
Yes	110	19	0.814 (0.487–1.359)	0.431	6	1.092 (0.424–2.815)	0.855
Surgical approach							
Laparoscopic	374	73	1 (Ref)		20	1 (Ref)	
Open	28	9	1.730 (0.865–3.457)	0.121	1	0.707 (0.095–5.264)	0.735
Operation time (10 min)	402	82	1.018 (0.999–1.037)	0.061		0.994 (0.951–1.040)	0.798
Blood loss (mL)							
<400	345	66	1 (Ref)		19	1 (Ref)	
≥400	57	16	1.561 (0.904–2.695)	0.110	2	0.684 (0.159–2.937)	0.610
Neoadjuvant CRT							
No	276	57	1 (Ref)		14	1 (Ref)	
Yes	126	25	0.947 (0.592–1.516)	0.820	7	1.108 (0.447–2.744)	0.825
Postoperative CTx							
No	158	18	1 (Ref)		2	1 (Ref)	
Yes	244	64	2.377 (1.409–4.010)	0.001	19	6.392 (1.489–27.444)	0.013
Stage							
1	119	17	1 (Ref)	0.192	3	1 (Ref)	0.469
2	99	21	1.549 (0.817–2.936)	0.180	6	2.506 (0.627–10.02)	0.194
3	162	37	1.658 (0.934–2.945)	0.084	11	2.768 (0.772–9.922)	0.118
4	22	7	2.404 (0.996–5.798)	0.051	1	1.925 (0.200–18.508)	0.571
Length of stay (days)	402	82	1.023 (0.994–1.053)	0.116		0.984 (0.906–1.070)	0.709
Ileostomy							
No	201	34	1 (Ref)		9	1 (Ref)	
Yes	201	48	1.405 (0.905–2.181)	0.130	12	1.363 (0.574–3.235)	0.483

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.