

Supplemental Table 1. Univariate analysis for predictors of satisfaction in the ERAS group

Variable	Patient satisfaction											
	Overall Satisfaction		Information		Medical care		Nursing care		Enhanced recovery		Comfort & others	
	Mean (95% CI)	P value	Mean (95% CI)	P value	Mean (95% CI)	P value	Mean (95% CI)	P value	Mean (95% CI)	P value	Mean (95% CI)	P value
Age (yrs)		0.332		0.070		0.915		0.784		0.852		0.650
<50	91.6 (89.7 ~ 93.5)		16.9 (16.1 ~ 17.6)		19.0 (18.5 ~ 19.4)		19.1 (18.7 ~ 19.5)		18.5 (17.7 ~ 19.2)		18.1 (17.5 ~ 18.8)	
≥50	92.8 (91.0 ~ 94.7)		17.8 (17.1 ~ 18.5)		18.9 (18.3 ~ 19.5)		19.2 (18.8 ~ 19.6)		18.5 (17.9 ~ 19.2)		18.3 (17.7 ~ 18.9)	
Sex		0.770		0.865		0.614		0.522		0.757		0.639
Male	92.5 (89.6 ~ 95.4)		17.5 (16.2 ~ 18.7)		19.1 (18.4 ~ 19.8)		19.3 (18.7 ~ 19.9)		18.6 (17.7 ~ 19.6)		18.1 (17.0 ~ 19.1)	
Female	92.1 (90.7 ~ 93.6)		17.4 (16.8 ~ 17.9)		18.9 (18.5 ~ 19.3)		19.1 (18.8 ~ 19.4)		18.5 (17.9 ~ 19.0)		18.3 (17.8 ~ 18.8)	
Education		0.795		0.525		0.142		0.864		0.623		0.187
No education/Primary	91.9 (87.4 ~ 96.3)		17.8 (16.2 ~ 19.4)		18.4 (17.0 ~ 19.8)		19.1 (18.6 ~ 19.7)		18.3 (17.4 ~ 19.4)		18.4 (17.4 ~ 19.4)	
Secondary/College	92.3 (91.0 ~ 93.7)		17.3 (16.8 ~ 17.9)		19.1 (18.7 ~ 19.4)		19.2 (18.9 ~ 19.5)		18.2 (17.7 ~ 18.7)		18.2 (17.7 ~ 18.7)	
Occupation		0.280		0.624		0.105		0.019		0.955		0.485
Employed	92.9 (90.9 ~ 94.9)		17.4 (16.6 ~ 18.3)		19.4 (19.0 ~ 19.8)		19.3 (18.9 ~ 19.7)		18.4 (17.6 ~ 19.2)		18.4 (17.6 ~ 19.1)	
Unemployed	93.5 (89.2 ~ 97.8)		17.9 (16.2 ~ 19.6)		18.8 (17.6 ~ 19.9)		19.8 (19.4 ~ 20.1)		18.5 (17.0 ~ 20.0)		18.6 (17.5 ~ 19.7)	

Homemaker/ Student/Retired	91.0 (91.0 ~ 93.5)	17.2 (16.4 ~ 17.9)	18.6 (18.0 ~ 19.2)	18.9 (18.4 ~ 19.2)	18.6 (17.9 ~ 19.3)	18.0 (17.3 ~ 18.6)
Marital status	0.653	0.779	0.689	0.305	0.183	0.602
Unmarried (Single/divorced)	93.3 (79.0 ~ 107.7)	17.7 (11.4 ~ 23.9)	18.7 (15.8 ~ 21.5)	18.7 (14.9 ~ 22.5)	19.7 (18.2 ~ 21.1)	18.7 (14.9 ~ 22.5)
Married	92.2 (90.9 ~ 93.5)	17.4 (16.9 ~ 17.9)	19.0 (18.6 ~ 19.3)	19.2 (19.0 ~ 19.5)	18.4 (17.9 ~ 18.9)	18.2 (17.8 ~ 18.7)
ASA grades	0.124	0.611	0.004	0.119	0.851	0.595
Grade I	90.3 (88.3 ~ 92.4)	17.1 (15.9 ~ 18.3)	17.9 (16.8 ~ 18.9)	18.8 (18.0 ~ 19.5)	18.4 (17.1 ~ 19.8)	18.1 (17.5 ~ 18.7)
Grade II	92.8 (91.2 ~ 94.4)	17.4 (16.8 ~ 18.1)	19.1 (18.8 ~ 19.5)	19.3 (19.0 ~ 19.6)	18.6 (18.0 ~ 19.1)	18.4 (17.9 ~ 18.9)
Length of procedure (hrs)	0.493	0.738	0.384	0.195	0.313	0.903
<3	91.0 (86.8 ~ 95.2)	17.5 (16.0 ~ 19.0)	18.5 (17.2 ~ 19.8)	18.8 (17.9 ~ 19.6)	18.0 (16.2 ~ 19.8)	18.3 (17.3 ~ 19.2)
≥3	92.2 (90.7 ~ 93.7)	17.3 (16.6 ~ 17.9)	18.9 (18.5 ~ 19.3)	19.2 (18.9 ~ 19.5)	18.6 (18.1 ~ 19.2)	18.2 (17.6 ~ 18.7)
Blood loss during surgery (ml)	0.973	0.564	0.496	0.054	0.685	0.693
<300	92.3 (90.0 ~ 94.6)	17.6 (16.7 ~ 18.5)	18.8 (18.2 ~ 19.4)	19.0 (18.5 ~ 19.4)	18.6 (17.8 ~ 19.4)	18.4 (17.8 ~ 19.0)
≥300	92.3 (90.7 ~ 94.0)	17.3 (16.6 ~ 18.0)	19.0 (18.6 ~ 19.5)	19.4 (19.1 ~ 19.7)	18.4 (17.8 ~ 19.0)	18.2 (17.6 ~ 18.8)

PONV VAS		0.036	0.359	0.142	0.134	0.011	0.809
Mild (1-4)		92.8 (91.5 ~ 94.1)	17.5 (16.9 ~ 18.1)	19.1 (18.7 ~ 19.4)	19.3 (19.0 ~ 19.5)	18.8 (18.4 ~ 19.2)	18.3 (17.8 ~ 18.7)
Moderate (5-6)/Severe (7-10)		89.4 (85.3 ~ 93.5)	16.9 (15.2 ~ 18.5)	18.4 (17.0 ~ 19.8)	18.8 (17.8 ~ 19.7)	17.3 (15.2 ~ 19.3)	18.1 (16.9 ~ 19.3)
Preoperative carbohydrate loading		0.684	0.446	0.853	0.196	0.363	0.516
Yes		92.1 (90.8 ~ 93.5)	17.3 (16.8 ~ 17.9)	19.0 (18.6 ~ 19.3)	19.1 (18.8 ~ 19.4)	18.6 (18.1 ~ 19.1)	18.2 (17.7 ~ 18.7)
No		92.9 (88.3 ~ 97.4)	17.9 (16.4 ~ 19.3)	18.9 (17.5 ~ 20.2)	19.6 (19.1 ~ 20.1)	18.0 (16.3 ~ 19.7)	18.6 (17.4 ~ 19.8)
Absorbable suture	skin	0.071	0.977	0.004	0.543	0.011	0.982
Yes		92.8 (91.4 ~ 94.2)	17.4 (16.8 ~ 18.0)	19.2 (18.8 ~ 19.5)	19.2 (18.9 ~ 19.5)	18.8 (18.3 ~ 19.2)	18.3 (17.7 ~ 18.8)
No		89.8 (86.9 ~ 92.6)	17.4 (15.9 ~ 18.9)	17.9 (16.6 ~ 19.2)	19.0 (18.4 ~ 19.6)	17.3 (15.8 ~ 18.7)	18.3 (17.7 ~ 18.8)
Mechanical prophylaxis DVT	for	0.724	0.695	0.553	0.787	0.422	0.693
Yes		92.3 (90.6 ~ 94.0)	17.4 (16.7 ~ 18.1)	19.0 (18.6 ~ 19.4)	19.2 (18.9 ~ 19.6)	18.4 (17.8 ~ 19.0)	18.3 (17.7 ~ 18.9)
No		92.8 (90.7 ~ 94.9)	17.6 (16.7 ~ 18.5)	18.8 (18.1 ~ 19.5)	19.2 (18.7 ~ 19.6)	18.8 (18.0 ~ 19.5)	18.4 (17.9 ~ 19.0)

Removal of urinary drainage (hrs)		0.421	0.298	0.777	0.240	0.816	0.664
≤6	91.9 (90.5 ~93.4)	17.2 (16.6 ~ 17.8)	19.0 (18.5 ~ 19.4)	19.1 (18.8 ~ 19.4)	18.5 (17.9 ~ 19.0)	18.2 (17.7 ~ 18.8)	
>6	93.1 (90.2 ~ 96.0)	17.8 (16.7 ~ 18.9)	18.9 (18.3 ~ 19.5)	19.4 (19.1 ~ 19.8)	18.6 (17.7 ~ 19.5)	18.4 (17.7 ~ 19.1)	
Time to first oral solid intake (hrs)		0.947	0.709	0.559	0.434	0.399	0.549
≤24	92.2 (90.4 ~ 94.0)	17.5 (16.8 ~ 18.2)	18.8 (18.3 ~ 19.4)	19.1 (18.7 ~ 19.5)	18.7 (18.1 ~ 19.3)	18.1 (17.5 ~ 18.7)	
>24	92.3 (90.3 ~ 94.3)	17.3 (16.4 ~ 18.1)	19.1 (18.6 ~ 19.5)	19.3 (18.9 ~ 19.6)	18.3 (17.5 ~ 19.1)	18.4 (17.7 ~ 19.0)	
Ambulation on POD 1		0.996	0.774	0.821	0.483	0.630	0.542
Yes	92.2 (90.6 ~ 93.9)	17.5 (16.8 ~ 18.1)	19.0 (18.5 ~ 19.5)	19.1 (18.7 ~ 19.5)	18.6 (18.0 ~ 19.2)	18.1 (17.6 ~ 18.7)	
No	92.2 (90.0 ~ 94.5)	17.3 (16.4 ~ 18.2)	18.9 (18.3 ~ 19.4)	19.3 (19.0 ~ 19.6)	18.4 (17.5 ~ 19.2)	18.4 (17.7 ~ 19.1)	
Postoperative wound drainage		0.246	0.977	0.142	0.864	0.081	0.809
No	92.6 (91.2 ~ 94.0)	17.4 (16.8 ~ 18.0)	19.1 (18.7 ~ 19.4)	19.2 (18.9 ~ 19.5)	18.7 (18.2 ~ 19.2)	18.3 (17.8 ~ 18.8)	
Yes	90.6 (87.1 ~ 94.1)	17.4 (16.0 ~ 18.7)	18.4 (17.5 ~ 19.3)	19.1 (18.6 ~ 19.7)	17.6 (16.4 ~ 18.9)	18.1 (17.2 ~ 19.1)	

Pain VAS on	0.006	0.853	0.054	0.001	0.020	0.067
POD1						
Mild (1-4)	93.1 (91.7 ~ 94.5)	17.4 (16.8 ~18.0)	19.1 (18.8 ~19.5)	19.4 (19.1 ~ 19.7)	18.8 (18.3 ~ 19.3)	18.4 (18.0 ~18.9)
Moderate (5-6)/Severe (7-10)	89.0 (86.7 ~ 91.3)	17.3 (16.3 ~ 18.3)	18.3 (17.2 ~ 19.4)	18.4 (18.0 ~ 18.8)	17.5 (16.3 ~ 18.7)	17.5 (16.4 ~ 18.6)
Postoperative LOS	0.219	0.971	0.017	0.829	0.045	0.837
(d)						
≤4	93.1 (91.0 ~ 95.2)	17.4 (16.6 ~ 18.2)	19.4 (19.0 ~ 19.8)	19.2 (18.7 ~ 19.6)	19.0 (18.4 ~ 19.6)	18.2 (17.4 ~ 19.0)
>4	91.5 (90.0 ~ 93.2)	17.4 (16.7 ~ 18.1)	18.6 (18.0 ~ 19.1)	19.2 (18.9 ~ 19.5)	18.1 (17.4 ~ 18.8)	18.3 (17.8 ~ 18.8)

ASA = American Society of Anesthesiologists', DVT = deep vein thrombosis, LOS = length of stay, POD = postoperative day, PONV = postoperative nausea and vomiting, VAS = visual analog scale
