

Supplementary Material

Article Title

Dispositional optimism and all-cause mortality after esophageal cancer surgery: a nationwide population-based cohort study

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Supplementary Content

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Table S1. Hazard ratio (HR) and 95% confidence interval (CI) for the all-cause mortality after esophageal cancer surgery with one unit increase of the LOT-R sum score, generated by cox proportional hazards models adjusted for different covariates

Adjusted covariates in the model	HR with 95% CI
Sociodemographic variables	0.96 (0.91, 1.02)
Predetermined variables + pathological tumor stage	0.97 (0.92, 1.02)
Predetermined variables + neoadjuvant therapy	0.96 (0.91, 1.02)
Predetermined variables + surgical approach	0.96 (0.91, 1.02)
Predetermined variables + histology	0.96 (0.91, 1.02)
Predetermined variables + postoperative complication	0.96 (0.91, 1.02)
Predetermined variables + resection margin status	0.97 (0.91, 1.02)
Predetermined variables + comorbidity	0.96 (0.91, 1.02)

Note. LOT-R: Life Orientation Test-Revised.

Table S2. LOT-R sum score for 1-year esophageal cancer survivors with different sociodemographic and clinical characteristics

	Number (%) (n = 335)	LOT-R sum score		
		Mean	Standard deviation	<i>p</i> value
Age				
< 60	59 (17.6)	15.3	3.2	0.96
60-74	216 (64.5)	15.3	3.2	
≥75	60 (17.9)	15.1	3.4	
Sex				
Female	31 (9.3)	15.8	3.1	0.36
Male	304 (90.8)	15.2	3.3	
Cohabitation status				
Non-cohabitating	79 (23.6)	14.8	3.1	0.18
Cohabitating	256 (76.4)	15.4	3.3	
Education level				
Nine-year compulsory school	82 (24.5)	15.3	2.9	0.97
Upper secondary school	159 (47.5)	15.2	3.5	
Higher education	94 (28.1)	15.3	3.1	
Neoadjuvant therapy				
Yes	265 (79.1)	15.2	3.3	0.41
No	70 (20.9)	15.5	3.0	
Surgical approach				
Total minimally invasive esophagectomy	115 (34.3)	15.1	3.2	0.87
Hybrid minimally invasive esophagectomy	119 (35.5)	15.4	3.5	
Open esophagectomy	101 (30.2)	15.2	3.0	
Pathological tumor stage				
Tis–II	219 (65.4)	15.2	3.1	0.94

III–IV	116 (34.6)	15.3	3.5	
Tumor histology				
Adenocarcinoma	279 (83.3)	15.2	3.3	
Squamous cell carcinoma	51 (15.2)	15.2	3.3	0.97
Dysplasia	5 (1.5)	15.6	2.7	
Postoperative complications (Clavien–Dindo grade)				
No complication	113 (33.7)	15.1	3.3	
I–II	94 (28.1)	15.1	3.5	0.49
III–IV	128 (38.2)	15.5	3.0	
Resection margin status				
Radical	307 (91.6)	15.2	3.2	
Nonradical	28 (8.4)	15.6	3.6	0.51
Charlson comorbidity index				
0	142 (42.4)	15.3	3.3	
1	112 (33.4)	15.0	3.3	0.45
≥2	81 (24.2)	15.5	3.1	

Note. All values are number (%) unless otherwise stated, and the percentage is rounded up, which in some cases gives a sum not equal to 100%.

LOT-R: Life Orientation Test-Revised.