

**Supplement 1.** Factors associated with sleep disorder in Korean stomach cancer survivors according to sex

Variable	Stomach cancer survivors (N=643)			
	Male (N=374)		Female (N=269)	
	OR* (95% CI)	P-value	OR* (95% CI)	P-value
Age (1-y increase)	1.08 (1.04–1.12)	<0.001	1.03 (0.97–1.09)	0.320
Menopause				
No	-	-	1	
Yes	-	-	0.63 (0.16–2.49)	0.513
Monthly household income (10 <sup>3</sup> won)				
<2,000	1		1	
2,000–<4,000	0.88 (0.35–2.25)	0.796	1.1 (0.31–3.9)	0.880
≥4,000	0.53 (0.21–1.37)	0.191	0.93 (0.29–3.02)	0.908
Living with a spouse or partner				
No	1		1	
Yes	0.45 (0.14–1.49)	0.193	1.06 (0.37–3.04)	0.913
Family history of cancer				
No	1		1	
Yes	0.63 (0.22–1.84)	0.402	2.53 (0.9–7.11)	0.079
No. of comorbidities				
0	1		1	
1	0.96 (0.46–1.99)	0.907	0.88 (0.35–2.2)	0.787
≥2	1.03 (0.43–2.47)	0.949	0.76 (0.2–2.83)	0.682
Smoking				
Never smoker	1		1	
Ever smoker	1.69 (0.74–3.85)	0.215	3.52 (0.64–19.42)	0.149
Alcohol consumption				
Current nondrinker	1		1	
Current drinker	1.27 (0.66–2.45)	0.468	0.78 (0.23–2.69)	0.697
Regular exercise (≥twice/wk, ≥30 min at each time)				
No	1		1	
Yes	1.57 (0.75–3.28)	0.233	0.3 (0.13–0.69)	0.005
Fear of cancer recurrence (FCRI ≥13)				
No	1		1	
Yes	1.56 (0.76–3.2)	0.226	1.99 (0.84–4.76)	0.120
Anxiety (K-HADS score ≥8)				
No	1		1	
Yes	0.64 (0.22–1.85)	0.410	1.6 (0.58–4.47)	0.367
Depression (K-HADS score ≥8)				
No	1		1	
Yes	1.39 (0.69–2.78)	0.355	1.66 (0.68–4.04)	0.263
EQ-VAS				
Low (≤70)	1		1	
High (>70)	0.77 (0.41–1.47)	0.431	0.45 (0.18–1.16)	0.098
Multiple cancer				
No	1		1	
Yes	1.05 (0.24–4.58)	0.945	2.08 (0.44–9.8)	0.353
Cancer stage				
Stage 0 <sup>†</sup> , 1	1		1	
Stage 2	0.91 (0.23–3.55)	0.894	0.6 (0.14–2.56)	0.493
Stage 3, 4	1.47 (0.39–5.53)	0.572	0.61 (0.1–3.6)	0.585
Time since cancer diagnosis (y)				
≤5	1		1	
≥6	0.49 (0.24–0.99)	0.045	1.98 (0.67–5.89)	0.219
Cancer treatment count				
1	1		1	
2	1.19 (0.35–4.07)	0.786	1.13 (0.25–5.18)	0.872
≥3	1.18 (0.25–5.51)	0.835	2.83 (0.71–11.36)	0.141

OR, odds ratio; CI, confidence interval; FCRI, fear of cancer recurrence inventory; K-HADS, Korean Hospital Anxiety and Depression Scale; EQ-VAS, EuroQol Visual Analog Scale.

\*ORs (95% CI) were estimated using multiple logistic regression analysis after adjusting for all variables in the table. <sup>†</sup>Stage 0 was defined as carcinoma *in situ*.