

Supplementary Online Content

Lisan Q, Van Sloten T, Marques Vidal P, et al. Association of positive airway pressure prescription with mortality in patients with obesity and severe obstructive sleep apnea: the Sleep Heart Health Study. *JAMA Oncology*. Published online April 11, 2019. doi: 10.1001/jamaoto.2019.0281.

eTable 1. Multivariable hazards ratios and their 95% confidence intervals of the covariates included in the Cox regression analysis evaluating association between positive airway pressure and all-cause mortality

eTable 2. Description of the population after propensity score matching.

This supplementary material has been provided by the authors to give readers additional information about their work.

eTable 1: multivariable hazards ratios and their 95% confidence intervals of the covariates included in the Cox regression analysis evaluating association between positive airway pressure and all-cause mortality.

	Adjusted hazard ratio	95% CI	p-value
Positive airway pressure	0.38	0.18 – 0.81	0.01
Prevalent CVD	2.18	1.12 – 4.23	0.02
Hypertension	1.82	0.93 – 3.55	0.07
Diabetes	2.38	1.03 – 5.48	0.04
BMI (per 1 kg/m ² increase)	0.98	0.93 – 1.03	0.41
Education			
<10 years	1 (reference)		
11-15 years	0.33	0.14 – 0.82	0.02
16-20 years	0.44	0.18 – 1.17	0.10
>20 years	1.07	0.16 – 7.18	0.94
Smoking status			
Never	1 (reference)		
Current	2.15	0.64 – 7.18	0.21
Former	1.95	1.02 – 3.73	0.04
Alcohol (drinks per day)			
0	1 (reference)		
1-3	1.91	0.83 – 4.40	0.13
>3	0.93	0.45 – 1.93	0.85

Abbreviations: BMI: body mass index, CVD: cardiovascular disease, CI: confidence interval.

Note: Cox regression analysis was adjusted for the variables listed in the table.

eTable 2: description of the population after propensity score matching.

	PAP		p-value
	No N=204	Yes N=51	
Age (years)	64.4 ± 9.99	63.2 ± 9.14	0.53
Male gender	160 (78.4%)	35 (68.6%)	0.26
BMI (kg/m ²)	31.1 ± 5.15	32.1 ± 5.93	0.36
Education			0.37
<10 years	9 (4.4%)	5 (9.8%)	
11-15 years	90 (44.1%)	27 (52.9%)	
16-20 years	98 (48.0%)	14 (27.5%)	
>20 years	7 (3.4%)	5 (9.8%)	
Smoking status			0.92
Never	77 (37.8%)	19 (37.2%)	
Current	10 (4.9%)	4 (7.8%)	
Former	117 (57.4%)	28 (54.9%)	
Driving	196 (96.1%)	48 (94.1%)	0.64
Neck circumference (cm)	41.1 ± 4.22	41.1 ± 3.60	0.97
AHI	29.0 ± 17.9	31.4 ± 15.2	0.32
RDI	25.3 ± 16.3	27.7 ± 14.7	0.32
Sleep time (minutes)	598 ± 101	596 ± 90.2	0.92
Epworth sleepiness score	11.2 ± 4.72	10.6 ± 4.92	0.51
Hypertension	90 (44.1%)	24 (47.1%)	0.77
Diabetes	31 (15.2%)	8 (15.7%)	0.95
Cholesterol (mg/dL)	208 ± 36.6	209 ± 36.3	0.85
HDL (mg/dL)	46.0 ± 16.1	46.6 ± 14.6	0.84
History of:			
Angina	6 (2.9%)	5 (9.8%)	0.75
Heart failure	2 (1.0%)	2 (3.9%)	0.34
Myocardial infarction	18 (8.8%)	4 (7.8%)	0.56
Pacemaker	6 (2.9%)	2 (3.9%)	0.73
Stroke	10 (4.9%)	4 (7.8%)	0.92

Abbreviations: PAP: positive airway pressure, BMI: body mass index, AHI: apnea-hypopnea index, RDI: respiratory disturbance index, cm: centimeters, mg: milligrams, dL: deciliter.