

Supplementary material

Gabryelska A, Białasiewicz P, Malicki M, et al. Evaluation of the chronotype and its predictive factors in patients with obstructive sleep apnea. *Pol Arch Intern Med.* 2023; 133: 16541. doi:10.20452/pamw.16541

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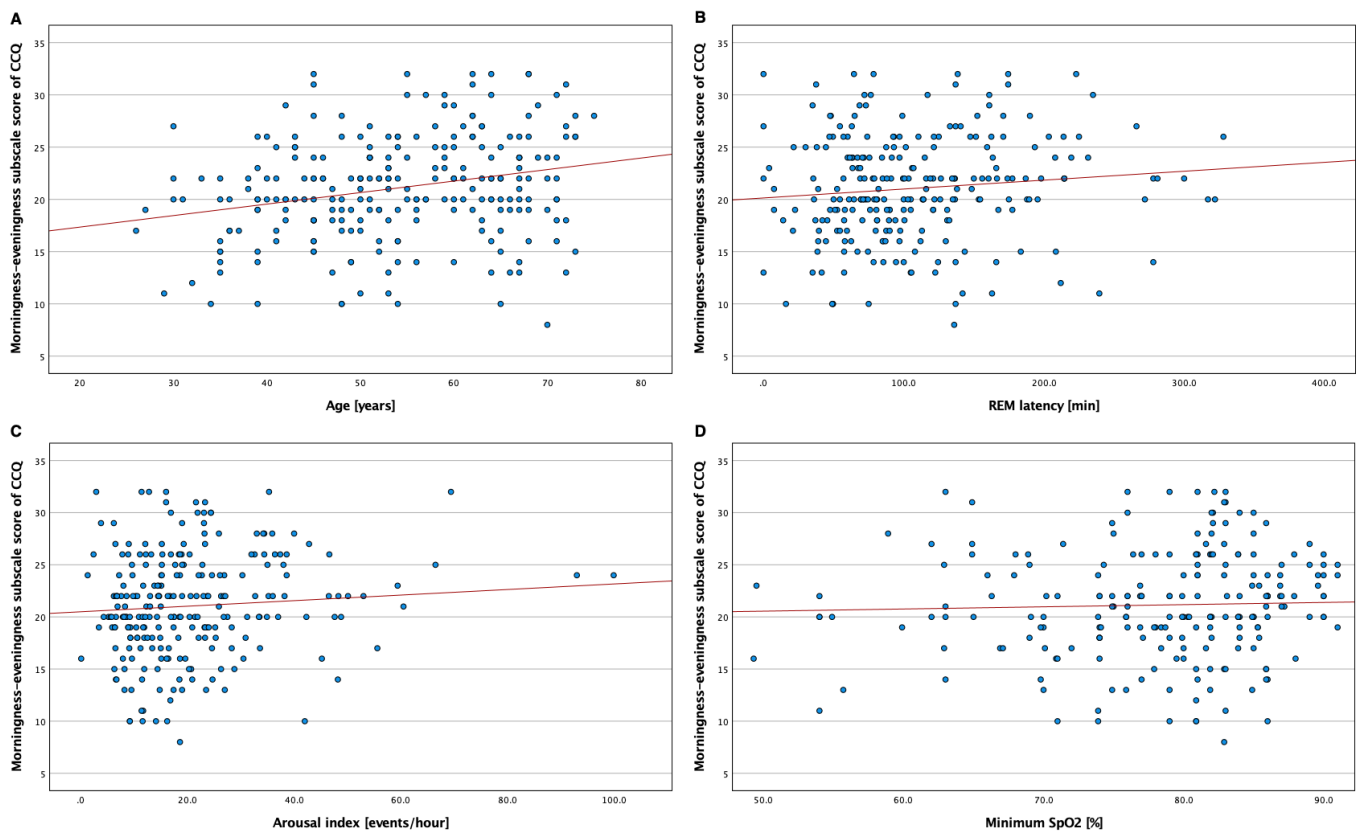
Supplementary Table 1 – Linear regression models for eveningness and distinctiveness chronotype

Eveningness				
Model		R²=0.237, F=5.372, P<0.001		
Parameters		b	t	P-value
Included	Constant	17.977	5.834	<0.001
	Age	0.065	1.804	0.07
	Arousal Index	0.060	1.936	0.06
	Minimum SpO ₂	0.043	1.920	0.06
	ESS score	-0.206	-2.162	0.03
	AIS score	-0.223	-1.947	0.054
	BDI score	-0.105	-1.691	0.09
Distinctiveness of chronotype				
Model		R²=0.368, F=17.736, P<0.001		
Parameters		b	t	P-value
Included	Constant	24.681	25.662	<0.001
	ESS score	-0.153	-2.042	0.04
	AIS score	-0.391	-3.378	<0.001
	PSQI score	0.320	2.498	0.01
	BDI score	-0.264	-4.975	<0.001

AIS - Athens Insomnia Scale; BDI - Beck Depression Inventory; ESS - Epworth Sleepiness Scale; PSQI - Pittsburgh Sleep Quality Index; SpO₂ – oxygen saturation.

Figure legends

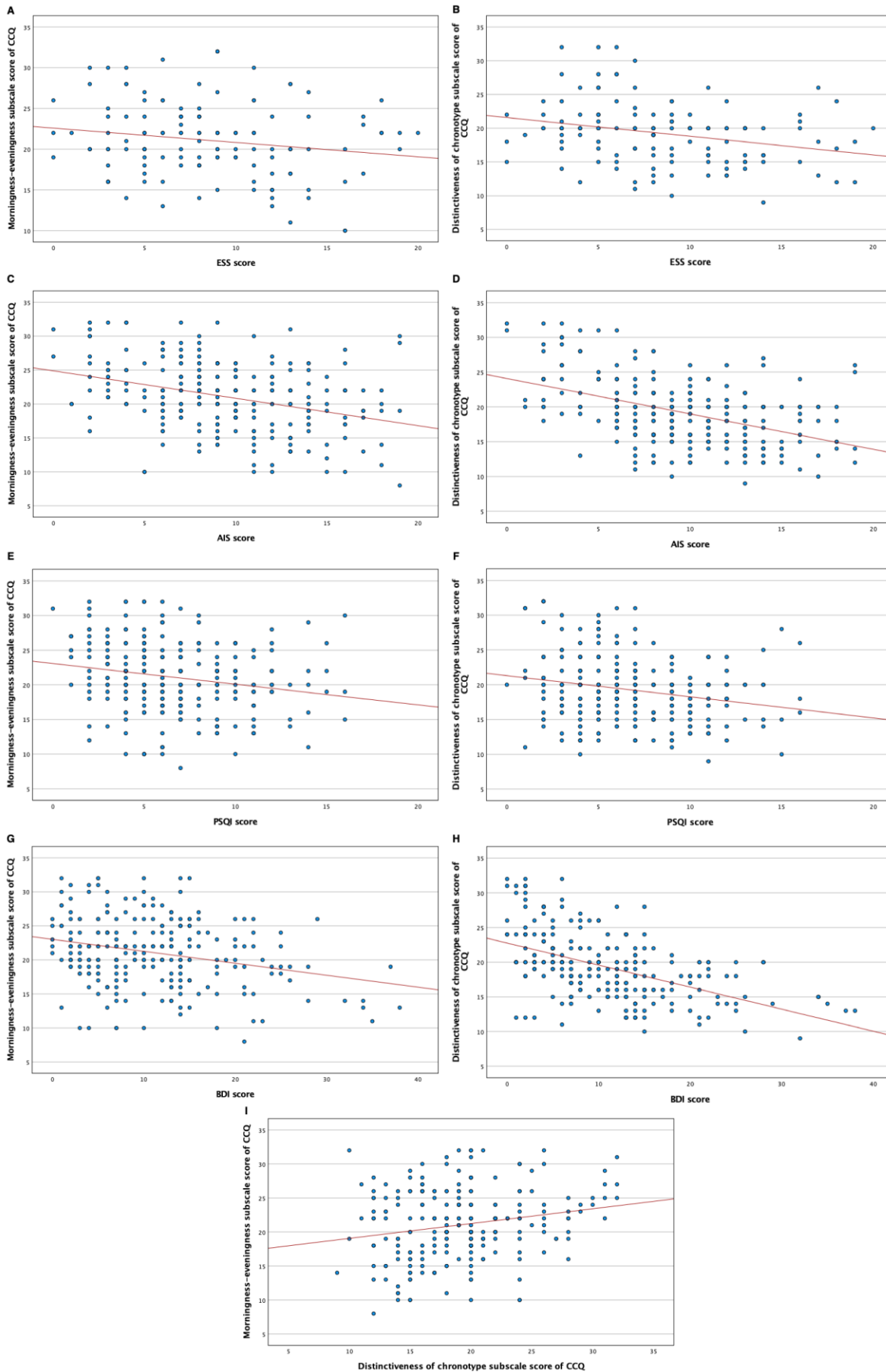
Supplementary Figure 1 – Corrections between the morningness-eveningness subscale of CCQ in OSA



Description: Corrections between the morningness-eveningness subscale of the Caen Chronotype Questionnaire (CCQ) and: A. age ($R=0.251$, $P<0.001$), B. Rapid-eye movement (REM) latency ($R=0.13$, $P=0.04$), arousal index ($R=0.152$, $P=0.02$) and minimum SpO₂ ($R=0.145$, $P=0.03$).

Supplementary Figure 2 - Correlations between subscales of chronotype and other questionnaires score in

OSA



Description: Correlations between A. Epworth Sleepiness Scale (ESS) score and Morningness-eveningness (ME) subscale of the Caen Chronotype Questionnaire (CCQ) ($R=-0.287, P=0.001$); B. ESS score and Distinctiveness (DI) subscale of CCQ ($R=-0.276, P=0.002$); C. Athens Insomnia Scale (AIS) score and ME subscale of CCQ ($R=-0.342, P<0.001$); D. AIS score and DI subscale of CCQ ($R=-0.459, P=0.002$); E. Pittsburgh Sleep Quality Index (PSQI) score and ME subscale of CCQ ($R=-0.228, P<0.001$); F. PSQI score and DI subscale of CCQ ($R=-0.215, P<0.001$); G. Beck Depression Inventory (BDI) score and ME subscale of CCQ ($R=-0.268, P<0.001$); H. BDI score and DI subscale of CCQ ($R=-0.535, P<0.001$); I. ME and DI subscale of CCQ ($R=0.165, P=0.01$);