

Supplementary table 1: Sleep macro-architecture for the study sample during second night of ambulatory recording.

	Total (N=87)	OSA (N=73)	Non-OSA (n=14)	Difference (Sig)
Sleep Onset Latency (min)	30.8 ± 27.85	37.52 ± 28.12	41 ± 27.23	P=0.4
Sleep Efficiency (%)	72.10 ± 15.84	70.88 ± 16.26	78.49 ± 11.98	P= 0.1
Stage 1 (%)	5.82 ± 7.68	6.15 ± 8.16	4.12 ± 4.18	P=0.3
Stage 2 (%)	57.53 ± 17.31	58.39 ± 17.80	53 ± 14.1	P=0.2
Stage 3 (%)	12.79 ± 12.61	12.46 ± 13	14.48 ± 10.54	P=0.2
Stage 4 (%)	3.34 ± 7.05	1.95 ± 4.18	9.84 ± 12.64	P=0.07
REM (%)	17.12 ± 8.91	16.78 ± 9.17	18.87 ± 7.43	P=0.7
REM Latency (min)	92.46 ± 80.90 (n=86)	89.62 ± 80.76 (n=72)	107 ± 83 (n=14)	P=0.5

Values are expressed as mean ± SD. Non-parametric test was used to compare means of groups. *indicates significance. N=number; OSA: obstructive sleep apnea; REM: rapid eye movement.

Supplementary table 2: Respiratory parameters for the study sample during second night of ambulatory sleep testing.

	Total (n=87)	OSA (n=73)	Non-OSA (n=14)	Difference
AHI/h	20.26 ± 17.23	23.88 ± 16.54	1.66 ± 1.63	P=0.000*
Supine AHI/h	23.29 ± 24.65	27.43 ± 24.90	1.99 ± 2	P=0.000*
Non-supine AHI/h	14.86 ± 18.34	17.59 ± 18.87	0.83 ± 1.1	P=0.000*
REM AHI/h	23.34 ± 23.54	27.22 ± 23.83	3.37 ± 2.68	P=0.000*
NREM-AHI/h	19 ± 17.5	22.44 ± 17.12	1.41 ± 2.06	P=0.000*
Minimum Saturation (%)	83.24 ± 8.45	82.23 ± 8.50	88.15 ± 3.3	P=0.001*
Average nocturnal heart rate bpm	62.26 ± 14.3	63 ± 14.85	58.28 ± 10.58	P=0.1
Arousal Index/h	14.81 ± 7.90	15.89 ± 7.97	9.2 ± 4.55	P=0.002*
PLMS (count)	49.82 ± 99.83	58.16 ± 106.87	6.35 ± 15.73	P=0.02*
PLMS Index/h	9.71 ± 18.47	11.33 ± 19.73	1.28 ± 3.31	P=0.01*

Values are expressed as mean ± SD. Non-parametric Mann Whitney test was used to compare means of groups. *indicates significance. AHI: apnea-hypopnea-index; N=number; OSA: obstructive sleep apnea; REM: rapid eye movement; h: hour; bpm: beat per minute; PLMS: periodic limb movements in sleep.