SUPPLEMENTARY DATA

Supplementary Table 1. Sleep characteristics of patients with type 2 diabetes.

Polysomnographic features	All subjects (n=115)	No OSA (n=17)	OSA (n=98)	P value comparing No OSA with OSA
TRT, min	483.6 ± 42.0	490 ± 57	482 ± 39	0.45
TST, min	395.7 ± 58.1	425 ± 57	390 ± 57	0.02
WASO, min	62.5 (36.0-101.5)	36.0 (16.0-81.5)	64.0 (39.2-107.8)	0.04
Slow wave sleep, %	3.7 (0.5-10.4)	7.2 (0.3-10.7)	3.7 (0.5-10.3)	0.8
REM sleep, %	20.3 (16.3-25.4)	24.8 (20.3-31.2)	19.7 (15.7-24.5)	0.007
Total AHI	19.4 (8.5-35.3)	3.3 (1.9-3.8)	23.5 (11.6-40.2)	<0.001
REM AHI*	31.1 (12.3-46.8)	3.5 (2.0-7.7)	36.5 (19.8-48.6)	<0.001
NREM AHI	15.8 (6.2-31.9)	1.9 (0.7-3.9)	19.7 (10.2-36.4)	<0.001
Total ODI	6.1 (2.3-15.4)	0.8 (0.5-1.7)	8.7 (4.3-18.9)	<0.001
REM ODI*	17.0 (5.1-34.9)	1.5 (0.9-4.8)	21.8 (9.7-35.4)	<0.001
NREM ODI	3.9 (1.2-11.5)	0.3 (0.2-0.9)	4.9 (1.9-13.8)	<0.001
Total MAI	20.8 (14.2-33.2)	12.4 (9.8-14.9)	23.4 (16.1-37.2)	<0.001
REM MAI †	20.3 (10.9-29.1)	9.0 (5.8-16.6)	22.1 (13.5-31.4)	0.02
NREM MAI	20.9(14.8-34.5)	13.7 (9.5-16.0)	24.0 (16.4-38.7)	<0.001

Abbreviations: TRT = total recording time; TST = total sleep time; WASO = wake after sleep onset; MAI = microarousals index; ODI= oxygen desaturation index. Continuous variables are presented as mean ± SD and compared using t-students or median (interquartile range) and compared using Mann-Whitney nonparametric test.

*Comparison of REM and NREM AHI and REM and NREM ODI amongst the 98 subjects with OSA: $p<0.001$ by Wilcoxon signed rank test.

†Comparison of REM and NREM MAI amongst the 98 subjects with OSA: $p=0.003$ by Wilcoxon signed rank test.