

S3 Table: Pre-CPAP treatment a) demographics, clinical characteristics and b) sleep study results of the subgroup with severe OSA remeasured after two years of CPAP treatment, the subgroup with severe OSA measured one time, and all the group with severe OSA.

a)

	Severe OSA measured one time (n=15)	Severe OSA remeasured (n=13)	p	Severe OSA total (n=28)
Age (y.)	61 (53.5, 63)	57 (53, 63)	0.764	58 (53, 63.3)
Males n (%)	12 (43)	10 (36)	0.871	22 (79)
BMI (kg/cm₂)	32 (30, 38)	33 (31, 36)	0.964	33 (30, 36)
AHT n (%)	9 (32)	7 (25)	0.768	16 (57)
Epworth	11 (3,14)	14 (9, 15)	0.267	11.5 (7.5, 15)

b)

AHI (n./hour)	75 (43, 92)	73 (47, 80)	1	73.5 (47, 87)
Mean SpO₂ (%)	93 (92, 94)	92 (90, 94)	0.273	93 (91, 94)
CT90 (%)	14 (9, 26)	23 (11, 38)	0.279	16 (9, 27)
ODI4 (%)	55 (36, 76)	69 (46, 74)	0.525	63.5 (41, 75)

Data shown as median (interquartile range) or number of cases (percentages).

BMI, body mass index; AHT, arterial hypertension; AHI, apnea-hypopnea index; SpO₂, arterial oxygen saturation by pulse oximetry; CT90, % of total sleep time with SpO₂ lower than 90%; ODI4, 4% oxygen desaturation index; OSA, obstructive sleep apnea; CPAP, continuous positive airway pressure treatment.