

Supplementary Materials

Table S1. Patient characteristics, polysomnography variables, and blood pressures of the over-weight and under-weight subgroups.

| Variables | Over-weight subgroup <i>n</i> = 30 | Under-weight subgroup <i>n</i> = 3 | <i>p</i> -Value ¹ |
|-----------------------------------|---------------------------------------|---------------------------------------|------------------------------|
| Patient characteristics | | | |
| Age (years) | 7.0 (6.0–10.0) | 8.0 (5.0–) | > 0.999 |
| Male sex, <i>n</i> (%) | 25 (83%) | 3 (100%) | > 0.999 |
| Chronic tonsillitis, <i>n</i> (%) | 6 (20%) | 0 (0%) | > 0.999 |
| Allergic rhinitis, <i>n</i> (%) | 19 (63%) | 3 (100%) | 0.534 |
| BMI (kg/m ²) z-score | 2.10 (1.40–2.44) | −7.60 (−7.45–) | < 0.001 * |
| Tonsil size | 3 (3–4) | 4 (3–) | 0.260 |
| ANR | 0.73 (0.63–0.83) | 0.74 (0.67–) | 0.571 |
| OSA-18 score | 80 (69–94) | 77 (73–) | 0.614 |
| Polysomnography variables | | | |
| AHI (events/h) | 9.6 (5.1–26.3) | 6.1 (6.0–) | 0.571 |
| RDI (events/h) | 12.1 (7.3–29.7) | 13.1 (6.0–) | 0.791 |
| ODI (events/h) | 8.5 (3.4–23.2) | 3.2 (1.8–) | 0.100 |
| Mean SpO ₂ (%) | 97 (96–98) | 92 (91–) | 0.082 |
| Minimal SpO ₂ (%) | 89 (83–91) | 91 (88–93) | 0.070 |
| N1 stage | 14 (6–21) | 10 (9–) | 0.837 |
| N2 stage | 37 (31–45) | 41 (37–) | 0.491 |
| N3 stage | 28 (23–31) | 19 (17–) | 0.260 |
| REM stage | 18 (12–22) | 21 (21–) | 0.149 |
| Blood pressure variables | | | |
| Systolic BP, mmHg | 111 (100–121) | 85 (61–) | 0.188 |
| Diastolic BP, mmHg | 66 (61–74) | 64 (46–) | 0.571 |
| Systolic BP percentile (%) | 85 (66–91) | 17 (8–) | 0.260 |
| Diastolic BP percentile (%) | 75 (55–87) | 71 (27–) | 0.701 |

Note: Data are summarized as median (interquartile range) or *n* (%) as appropriate. Abbreviations: AHI, apnea–hypopnea index; ANR, adenoidal–nasopharyngeal ratio; BMI, body mass index; BP, blood pressure; ODI, oxygen desaturation index; OSA, obstructive sleep apnea; RDI, respiratory disturbance index; REM, rapid eye movement; SpO₂, pulse oxygen saturation. ¹ Data were compared using the Mann–Whitney *U* test for continuous variables, and the chi-square test for categorical variables. * Significant differences *p* < 0.05.