











Supplementary Figure 1. A. Sleep-onset latencies as recorded on polysomnogram (PSG) during the sham and stimulation nights. B. PSG indexes, sham vs stimulation. C. Comparison of the standard sleep questionnaires at the baseline and the end of study, 6 weeks later. D. Comparison of the **36-Item Short Form Survey** for assessment of health-related quality of life (QOL) at the baseline and the end of study. E. Hopkins memory test compared between baseline and two-week follow up measurements throughout the study. \* denotes statistically significant difference.

SOL = sleep onset latency; WASO = wake after sleep onset; min. = minute; Resp. = respiratory; Spon. = spontaneous; N1-3 = stages N1-3 sleep; REM = rapid eye movement (sleep); O2 sat. = oxygen saturation; AHI = apnea/hypopnea index; PLMI = periodic limb movement index; ESS = Epworth sleepiness scale; HAM-A = Hamilton anxiety rating scale; Beck = Beck's Depression Inventory; PSQI = Pittsburg sleep quality index; ISI = Insomnia Severity Index (ISI).