

Supplementary Table 1. Previous studies of the association between OSA and WUS

Study	Number of patients	Proportion with WUS (%)	Proportion with OSA (%)	Identification of OSA	Results
Palomäki et al. ¹⁷	177	35.3	Snoring almost always: 52.3	Standardized questionnaire for habitual symptoms of OSA	Snoring was associated with WUS (MA)
Bassetti and Aldrich ¹¹	110	21	Snoring often or always: 49.1	Sleep habits preceding stroke; poststroke PSG	No significant association
Martínez García et al. ¹⁶	139	60.4	High clinical probability of sleep apnea: 39.6	Questionnaire for habitual symptoms of OSA; poststroke PSG	High clinical probability of sleep apnea, AHI/longer desaturation was associated with WUS (UA)
Hsieh et al. ¹²	71	36.6	AHI \geq 30: 19.8	Questionnaire for sleep prior to stroke; poststroke PSG	AHI \geq 30 was associated with WUS (MA)
Tanimoto et al. ¹³	72	38.9	High risk of sleep apnea: 20.8	Berlin Questionnaire	No significant association
Šiarnik et al. ¹⁵	88	18.2	AHI $>$ 30: 20.5	Poststroke PSG	Higher AHI was associated with WUS (UA)
Current study	260	25.8	High risk of sleep apnea: 22.7 Snoring almost every day: 18.5	Berlin Questionnaire	Apnea was associated with WUS (MA)

AHI: apnea-hypopnea index, MA: multivariate analysis, OSA: obstructive sleep apnea, PSG: polysomnography, UA: univariate analysis, WUS: wake-up stroke.