

Supplementary Table 1. Characteristics of participants with sleep initiation difficulty

	Controls (n=142)	Latency >30 minutes (n=93)	p-value
Age (yrs)	75.1±6.4	74.8±5.9	0.739
Sex, female	86 (60.6)	72 (77.4)	0.007
Low education (≤6 yrs)	105 (73.9)	79 (84.9)	0.045
Perceived economic status, lower third	48 (34.3)	40 (43.0)	0.179
Current job status, no	48 (33.8)	38 (40.9)	0.272
Current Smoking, yes	9 (6.3)	5 (5.4)	0.761
Current drinking, yes	26 (18.3)	15 (16.1)	0.667
Psychiatric past history (SCID)	10 (7.0)	6 (6.5)	0.860
Current psychiatric illness (SCID)	11 (7.7)	10 (10.8)	0.430
Presence of depression (CES-D≥16)	12.04±6.54	14.41±6.63	0.008
Interference by pain (>1/week)	46 (32.4)	31 (33.3)	0.881
Cognitive impairment (MMSE-DS)*	22 (16.3)	18 (19.8)	0.501
Total sleep time (min)	404.99±110.98	327.99±120.07	<0.001
Anger out (STAXI-K)	10.82±3.47	11.89±3.63	0.024
Anger in (STAXI-K)	14.04±4.14	14.91±4.25	0.117
Anger control (STAXI-K)	26.00±5.39	25.99±5.21	0.988
Poor sleep quality (≥2 of PSQI component 1)	24 (17.0)	31 (33.3)	0.004
Severe perceived stress (PSS ≥27)	11.90±6.71	13.09±7.60	0.211

The values are means±SD or number (percent). *MMSE-DS score was adjusted MMSE score by sex, age, educational level [17]. SCID: Structured Clinical Interview for DSM-IV TR, CES-D: Center for Epidemiological Studies Depression Scale, MMSE-DS: Mini-Mental State Examination for dementia screening, STAXI-K: Korean adaptation of the State-Trait Anger Expression Inventory, PSQI: Pittsburgh Sleep Quality Index, PSS: Perceived Stress Scale.