Supplementary Table 1. Relationship between gait parameters and sex, falls, medication.

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|  | Gait cycle (s) | | p value | |  | | Gait acceleration (m/s2) | | | *p* value | |
| Sex | male | female | |  | |  | | male | female | |  | |
|  | 1.26 ± 0.10 | 1.22 ± 0.06 | | 0.523 | |  | | 1.94 ± 0.29 | 1.85 ± 0.26 | | 0.643 | |
| History of fall | Fall(+) | Fall(-) | |  | |  | | Fall(+) | Fall(-) | |  | |
|  | 1.29 ± 0.09 | 1.25 ± 0.08 | | 0.342 | |  | | 1.92±0.22 | 1.78 ±0.24 | | 0.316 | |
| Anti-dementia | Medication(+) | No medication | |  | |  | | Medication(+) | No medication | |  | |
| medication | 1.26 ± 0.10 | 1.22 ±0.04 | | 0.463 | |  | | 1.85 ± 0.26 | 1.96 ± 0.28 | | 0.538 | |