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 |