**Supplementary Table:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SSD (ms)** | **5ms** | **65ms** | **130ms** | **195ms** |
| **Healthy Participants** | **ocSSRT** | 250.3±100.7 | 229.7±90.6 | 251.2±112.6 | 240.4±110.6 |
| **Mean correct response (%)** | 91±0.10% | 89.39±0.11% | 77±0.16% | 61.36±0.22% |
| **Alzheimer’s Disease** | **ocSSRT** | 386.5±165.5 | 254.5±163.9 | 266.3±164.1 | 243.9±202.9 |
| **Mean correct response (%)** | 57.15±0.61% | 47.22±0.67% | 44.12±0.62% | 39.47±0.56% |
| **Parkinson’s Disease** | **ocSSRT** | 414.6±151.7 | 354.5±163.1 | 328.9±147.7 | 335.4±129.3 |
| **Mean correct response (%)** | ------- | ------- | ------- | ------- |

**Supplementary Table 1:** **ocSSRT at individual stop signal delay and percent correct responses** This table represents the Percentage of correct responses as well as the ocSSRT for each of the 4 Stop Signal Delays (SSD) (5ms, 65 ms, 130 ms, 195 ms) for our study participants. We did not collect the Correct Response percentage from the PD patients.