**Supplementary Table 1. Rate of annual progression of cognitive tests and behavioural scales in PSP patients**.

\*and indicates scores significantly different between first visit and the 1-y follow-up.

All scores are adjusted for age and gender according to Italian normative data.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variable** | **first visit** | **1-y follow-up** | **worsening score**  **estimated (+ SD)** | **95% CI for**  **Worsening score** |
| **UPDRS-III tot** | 26.0 ± 12.3 | 28.9 ± 15.3 | 2.9 + 2.0 | [ -1.2, 7.0] |
| **IADLs, lost\*** | **1.5 ± 1.9** | **2.4 ± 2.4** | **0.9 ± 0.3** | **[0.4, 1.6]** |
| **BADLs, lost\*** | **0.9 ± 1.4** | **1.7 ± 1.9** | **0.8 ± 0.2** | **[0.2, 1.3]** |
| *Cognitive testing* |  |  |  |  |
| **MMSE\*** | **24.1 ± 4.0** | **20.5 ± 8.7** | **-3.6 + 1.2** | **[-6.0, -1.1]** |
| **Short Story** | 9.5 ± 5.1 | 10.1 ± 4.9 | 0.6 ± 0.6 | [-0.6, 1.8] |
| **Digit span, backward** | 5.2 ± 1.3 | 4.7 ± 1.4 | -0.4 ± 0.2 | [-0.8, 0.0] |
| **Rey Figure, recall** | 11.3 ± 7.2 | 10.6 ± 6.4 | -0.7 ± 0.9 | [-2.6, 1.3] |
| **Phonological fluency** | 19.6 ± 8.1 | 19.5 ± 10.1 | -0.1 ± 1.0 | [-2.2, 1.9] |
| **Semantic fluency** | 28.7 ± 8.7 | 27.4 ± 11.8 | - 1.3 ± 1.0 | [-3.4, 0.7] |
| **Token test** | 28.1 ± 8.3 | 27.2 ± 8.4 | -0.9 ± 0.5 | [-1.8, 0.3] |
| **Rey Figure, copy** | 22.1 ± 9.1 | 20.7 ± 10.6 | -1.4 ± 1.0 | [-3.4, 0.6] |
| **Clock drawing** | 5.3 ± 2.9 | 4.7 ± 3.4 | - 0.6 ± 0.3 | [-1.3 , 0.1] |
| **Trail Making, A** | 154 ± 148 | 185 ± 175 | 31 ± 21 | [-11, 73] |
| **Trail Making, B\*** | **267 ± 134** | **310 ± 135** | **43 ± 18** | **[6, 81]** |
| *Behavioural disturbances* |  |  |  |  |
| **FBI, A\*** | **4.5 ± 4.8** | **8.0 ± 5.7** | **3.5 ± 0.8** | **[1.9 , 5.1]** |
| **FBI, B** | 2.1 ± 3.2 | 2.6 ± 2.8 | 0.5 ± 0.3 | [-0.2, 1.2] |
| **FBI, A+B\*** | **6.6 ± 6.7** | **10.6 ± 7.6** | **4.0 ± 0.9** | **[2.1, 5.9]** |
| **NPI, total score** | 9.9 ± 8.0 | 11.6 ± 9.0 | 1.7 ± 1.0 | [-0.3 , 3.7] |

**Abbreviations:** BADL, basic activities of daily living; FBI-A, negative behaviour score of the FBI; FBI-B, positive behaviour score of the FBI; MMSE, Mini Mental State Examination; IADL, instrumental activities of daily living; NPI, neuropsychiatric inventory; UPDRS-III, motor assessment of the Unified Parkinson Disease Rating Scale