Supplementary Table 1

HSS questionnaire

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Supplementary Table 1. (continued)

****Supplementary Table 2

Demographic and clinical characteristics of participants included in the factor analysis (n = 177)a

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | AD(n = 43) | bvFTD(n = 43) | PNFA(n = 20) | SD(n = 29) | LPA(n = 21) | PCA(n = 7) | CBD(n = 11) |
| Age (y ± SD)  | 67.1 ± 8.9 | 64.8 ± 8.4 | 66.1 ± 9.3 | 66.3 ± 6.3 | 68.2 ± 7.4 | 65.5± 3 .8 | 68.1 ± 6.0 |
| Sex (Male/Female) | 24/19 | 24/19 | 8/12 | 19/10 | 10/11 | 4/3 | 3/8 |
| CDR (0-0.5-1-2-3)b | 0-8-17-7-7 | 1-7-17-7-11 | 4-7-2-3-4 | 2-7-9-6-3 | 0-6-3-5-6 | 0-0-2-2-3 | 1-6-2-0-1 |

AD, Alzheimer’s disease; bvFTD, behavioral-variant frontotemporal dementia; PNFA, progressive non-fluent aphasia; SD, sematic dementia; LPA, logopenic progressive aphasia; PCA, posterior cortical atrophy; CBD, corticobasal degeneration; CDR, clinical dementia rating.

aIncludes data from 2 anonymous participants and 1 participant who had received several diagnoses.

bMissing data for 8 participants (4 AD, 2 SD, 1 LPA, 1 CBD).

Supplementary Table 3

Promax factor loadings

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 　 | F1 | F2 | F3 | Comm. |
| *Social Factor (F1)* |  |  |  |  |
| 16. Shows affection towards family members or friends | **0.86** | -0.09 | -0.17 | 0.57 |
|  4. Has a positive reaction to babies (smiles and talks to the baby) | **0.58** | 0.09 | -0.04 | 0.36 |
| 13. Tries to help out a person in need (for example, will comfort someone who is hurt or sad) | **0.57** | -0.02 | 0.17 | 0.46 |
| 14. Makes eye contact easily with other people | **0.54** | 0.02 | 0.12 | 0.40 |
|  9. Listens to music | **0.48** | -0.03 | 0.09 | 0.27 |
| 15. Sings along to music on CDs, radio, or television | **0.40** | 0.15 | 0.05 | 0.26 |
| *Sensory Factor (F2)* |  |  |  |  |
| 12. Draws the curtains in late afternoon even when outside is still bright | -0.02 | **0.62** | -0.20 | 0.30 |
|  1. Is sensitive to details (for example, tiny specks of dust on the table or rubbish on the road) | 0.13 | **0.55** | -0.03 | 0.35 |
|  7. Complains about bright lights | -0.12 | **0.54** | -0.05 | 0.24 |
| 19. Is rigid and particular regarding the way items must be organized or ordered (for example documents on a desk) | -0.11 | **0.52** | 0.28 | 0.42 |
|  6. Dislikes loud noises (responds negatively to unexpected loud noises) | 0.13 | **0.50** | -0.24 | 0.22 |
|  5. Hates the feel or texture of certain foods in the mouth | 0.07 | **0.46** | -0.20 | 0.18 |
|  8. Is sensitive to objects that are misaligned (for example a painting that is not straight on the wall) | -0.09 | **0.46** | **0.39** | 0.48 |
| *Cognitive Factor (F3)* |  |  |  |  |
| 18. Likes doing puzzles | -0.13 | -0.21 | **0.69** | 0.31 |
|  3. Reminisces mostly about recent events (recent weeks) | 0.06 | 0.00 | **0.59** | 0.40 |
| 11. Likes taking photographs | 0.15 | -0.18 | **0.45** | 0.24 |
|  2. Likes to write everything down | 0.24 | 0.07 | **0.45** | 0.42 |
| 10. Likes drawing pictures | 0.15 | -0.27 | **0.42** | 0.20 |
| 17. Will try to clear the space around him/her by putting things away | 0.22 | 0.27 | 0.33 | 0.43 |

Comm., Communalities; **Bold font** indicates a loading greater than 0.35

Supplementary Fig. 1.Flow chart ofdata collection.

