**Supplementary materials**

**Table 1.** BPMSE-Ch-cog and MMSE stratified by CDR

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| --- | --- | --- | --- | --- | --- |
|  | Group 1(n=3) | Group 2(n=44) | Group 3(n=45) | Group 4(n=10) | p values of paired comparisons1 |
| Group 1–2 | Group 2–3  | Group3–4 |
| CDR  | 0.5 | 1 | 2 | 3 |  |  |  |
| MMSE (mean ± SD) | 13.67 ± 1.58 | 12.34± 2.22 | 9.73± 3.92 | 3.10 ± 2.08 |  |  |  |
| BPMSE-Ch-cog (mean ± SD) |  |  |  |  |  |  |  |
| Total | 24.33± 1.15 | 22.86± 1.42 | 19.82± 5.59 | 12.50 ± 7.29 | 0. 96 | 0.019 | <0.001 |
| Range | 23-25 | 19-25 | 2-25 | 2-24 |  |  |  |
| Orientation | 4.67 ± 0.58 | 4.45± 0.55 | 3.98± 0.89 | 2.20 ± 1.55 | 0．50 | 0．08 | <0.001 |
| Language | 10.67± 0.58 | 9.89± 0.87 | 8.68± 2.69 | 5.20 ± 3.43 | 0．95 | 0．08 | <0.001 |
| Attention | 4.00± 0.00 | 3.77± 0.42 | 3.60± 0.81 | 2.50 ± 1.18 | 0．96 | 0．72 | <0.001 |
| Motor | 5.00± 0.00 | 4.64± 0.65 | 4.09± 1.29 | 2.60 ± 7.18 | 0．96 | 0．15 | 0.003 |

Abbreviations: CDR, Clinical Dementia Rating; MMSE, Mini-Mental State Examination; BPMSE-Ch-cog, Cognition subscale of Chinse version of the Baylor Profound Mental Status Examination; SD, standard deviation.

n = Number of patients. usingone-way ANOVA test

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| --- | --- | --- |
| **贝勒严重精神状态检查** | **BAYLOR PROFOUND MENTAL STATUS EXAMINATION** |  |
| **定向** | **ORIENTATION** |  |
| 您今天感觉怎么样？（回答恰当可得1分） | How are you today？ (score 1 for appropriate response) | 1 0 |
| 请告诉我您的姓名 | Tell me your name. |  |
| 姓 | First name | 1 0 |
| 名 | Last name | 1 0 |
| 我们在什么地方？（这里是什么类型的地方，如医院、门诊、诊所等等） | Where are we? (what kind of place is this? e.g. hospital, clinic, doctor’s place, etc.) | 1 0 |
| 我们所在的是哪座城市？ | What city are we in? | 1 0 |
| **语言** | **LANGUAGE** |  |
| **命名**  | **NAMING** |  |
| 铅笔 | Pencil | 1 0 |
| 手表 | Watch | 1 0 |
| 纽扣 | Button | 1 0 |
| **理解** （把铅笔、钥匙和手表排成一行） | **COMPREHENSION** (line up pencil, key, and watch) |  |
| 给我铅笔 | Give me the pencil. | 1 0 |
| 给我手表和铅笔 | Give me the watch and the pencil. | 1 0 |
| 闭上您的眼睛 | Close your eyes. | 1 0 |
| 举起您的左手 | Raise your left hand |   |
| 举手 | Raises hand | 1 0 |
| 举左手 | Raises left hand | 1 0 |
| **重复** | **REPETITION** |  |
| 床 | Bed | 1 0 |
| 冰箱 | Refrigerator | 1 0 |
| 电话在响 | The telephone is ringing | 1 0 |
| **注意** | **ATTENTION** |  |
| 从1数到10 | Count 1 to 10 | 1 0 |
| 看我的鼻子（能够完成5秒得1分） | Look at my nose (score 1 if able to do so for 5 seconds) | 1 0 |
| 自然的眼神交流（能够完成得1分） | Makes eye con tact spontaneously (score 1 if yes) | 1 0 |
| 注意检查者（是：1分；中重度注意分散：0分） | Attends to examiner (score 1 if yes; score 0 if moderately or severely distractible) | 1 0 |
| **动作技能** | **MOTOR SKILLS** |  |
| 画一个圆 | Draw a circle |  |
| 拿笔正确 | Holds pencil correctly | 1 0 |
| 画的是圆形 | Draws circular figure | 1 0 |
| 复制正方形 | Copy this square | 1 0 |
| 写下您的名字 | Sign your name |  |
| 姓 | First name | 1 0 |
| 名 | Last name  | 1 0 |
|  认知总分： /25 |  TOTAL COGNITIVE SCORE: /25 |  |
| **行为观察** | **BEHAVIORAL OBSERVATIONS** |   |
| 蓬乱的，不修边幅的 | Unkempt, disheveled | Y N |
| 精神运动减慢 | Psychomotor slowing | Y N |
| 焦虑的 | Anxious | Y N |
| 易激惹的 | Agitated  | Y N |
| 易怒的 | Irritable | Y N |
| 有攻击性的 | Aggressive | Y N |
| 易哭泣的 | Tearful | Y N |
| 冲动任性的 | Impulsive | Y N |
| 坐立不安的 | Restless | Y N |
| 猜疑的 | Suspicious | Y N |
| 行为总分= /10（回答是的总和） | TOTAL BEHAVIORAL SCORE= /10 (Sum of Yes Responses) |  |
| **交流** | **COMMUNICATION** |  |
| 简述语言表达情况（如缄默、语无伦次、无关紧要、不相关的、模仿、错语的、重复的，局限于一个词语的发音，局限于简单短语等等） | Briefly describe verbal output (e.g. mute, incoherent, tangential, irrelevant, echolalic, paraphasic, perseverative, limited to 1-word utterances, limited to brief phrases, etc.) |  |
|  |  |  |
| 与基线水平比较（如果可能）  | Comparison to Baseline (If Applicable)  |  |
| 1 2 3 4 5 6 7 | 1 2 3 4 5 6 7 |  |
| 显著 中等 轻度 无 轻度 中等 显著改善 改善 改善 变化 恶化 恶化 恶化 | Marked Moderate Minimal No Minimal Moderate Marked Improvement Improvement Improvement Change Worsening Worsenin Worsenin |  |
| **社会活动** | **SOCIAL INTERACTION** |  |
| 简述社会交往情况（如完全没有社会活动； 倾向于谈话，但因为失语受限； 不能语音交流，但可以非语言方式交流；对赞扬和微笑有积极反应；主动回避检查者） | Briefly describe social interactions (e.g. does nor interact at all; attempts to converse but is limited by aphasia; interacts nonverbally but not verbally; responds positively to praise and smiles; active avoidance of examiner) |  |
|  |  |  |
| 与基线水平比较（如果可能）  | Comparison to Baseline (If Applicable)  |  |
| 1 2 3 4 5 6 7 | 1 2 3 4 5 6 7 |  |
| 显著 中等 轻度 无 轻度 中等 显著改善 改善 改善 变化 恶化 恶化 恶化 | Marked Moderate Minimal No Minimal Moderate Marked Improvement Improvement Improvement Change Worsening Worsenin Worsenin |  |

**Table 2.** A table with each of the questions in the Chinese translated BPMSE scale next to the corresponding question of the original English BPMSE scale