Mini-Mental Status Examination (Marshall Folstein, MD)

Last updated: June 3, 2019

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| Patient ………………………….Examiner ………………………Date …………………………… |  |  |
| Add points for each correct response: | **Score** | **Points** |
| Orientation |
| 1. ***What is the***: Year Season Date Day MonthAsk for the date; then ask specifically for parts omitted (e.g. Can you also tell me what season it is?) |  | 11111 |
| 2. ***Where are we***? State County Town or city Hospital FloorAsk in turn, "Can you tell me the name of this hospital?"(town, country, etc). |  | 11111 |
| Registration |
| 3. ***Name*** ***three objects***.Ask patient if you may test her memory. Then state names of three unrelated ob­jects clearly and slowly (1 second to say each). After you have said all three, ask patient to repeat them. Give 1 point for each correct answer. This first repetition determines score (0-3), but repeat names until patient can repeat all three (up to six trials - record number of trials). If patient does not eventually learn all three words, recall cannot be meaningfully tested |  | 3 |
| Attention and calculation |
| 4. ***Serial sevens***.Ask patient to begin with 100 and count backward by 7. Stop after five subtractions (93, 86, 79, 72, 65). Give 1 point for each correct answer. Score the total number of correct answers. If patient cannot or will not perform this task, ask him to: ***Spell word " WORLD " back­ward***. Score is number of letters in correct order (e.g. dlrow = 5, dlorw = 3). |  | 5 |
| Recall |
| 5. Ask patient to ***recall three objects learned in question 3***.Give 1 point for each correct answer. |  | 3 |
| Language |
| 6. ***Name pencil and*** ***watch***.Show patient wristwatch and ask what it is. Repeat for pencil. |  | 2 |
| 7. ***Repeat*** "***No ifs, ands, or buts***"Ask patient to repeat sentence after you. Allow only one trial. |  | 1 |
| 8. ***Follow*** ***three-stage command***: "Take a paper in your right hand. Fold the paper in half. Put the paper on the floor"Give patient sheet of paper and repeat command. Give 1 point for each part of command that is correctly executed. |  | 3 |
| 9. ***Read and obey*** following: "CLOSE YOUR EYES" (write it in large letters for patient to see clearly).Ask patient to read paper and do what it says. Give 1 point if patient actually closes his eyes. |  | 1 |
| 10. ***Write sentence*** of his / her choice.Give patient blank sheet of paper and ask him to write sentence. Do not dictate sentence; it is to be written spontaneously. It must contain *subject* and *verb* and be sensible. Correct grammar and punctuation are not necessary. |  | 1 |
| 11. ***Copy design*** (two intersecting pentagons; each side about 1 inch):Ask patient to copy them exactly as they are. All ten angles must be present, and two must intersect to form quadrangle to score 1 point. Tremor and rotation are ignored. |  | 1 |
| Total:  |  | 30 |

Normal score is **> 26**

Cut-off score ≤ 23 has\* **sensitivity** 87%, **specificity** 82%, **false-positive ratio** 39.4%, **false-negative ratio** 4.7%.

\*in distinguishing organic brain syndrome (dementia / delirium) from patients without these syndromes; mean score of individuals with dementia is 12.

Score < 20 strongly suggests dementia / delirium / very poor cooperation

Individuals with sensory difficulties (vision, hearing) lose only few points!

Depressed patients have scores in 20s

***Repeated (serial) test administration*** does not misinterpret cognitive function! (i.e. test can be administered to the same patient as many times as needed – test results are not influenced by patient’s “familiarity” with test)

Assess patient's ***level of consciousness*** along continuum:

1. alert
2. lethargic
3. stupor
4. coma

Bibliography for ch. “Diagnostics” → follow this [link >>](http://www.neurosurgeryresident.net/D.%20Diagnostics%5CD.%20Bibliography.pdf)

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