Mini-Mental State Examination (MMSE)\textsuperscript{1,2}\textsuperscript{*}

Make the patient comfortable and establish rapport. Ask questions in the order listed. Total possible score is 30.

\begin{tabular}{|c|c|c|}
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Maximum & Score & Date \tabularnewline
\hline
ORIENTATION & 5 & Date \tabularnewline
1. “What is the (year) (season) (date) (day) (month)?” & 5 & Time \tabularnewline
2. “Where are we?” (state) (county) (town or city) (hospital) (floor). & 5 & \tabularnewline
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REGISTRATION & 3 & \tabularnewline
Ask the patient if you may test his/her memory. Then say the names of 5 unrelated objects, clearly and slowly, about one second for each (eg, “apple,” “table,” “penny”). After you have said all 5, ask him/her to repeat them. This first repetition determines the score (0-3), but keep saying them until he/she can repeat all 5, up to 6 trails. & \tabularnewline
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ATTENTION AND CALCULATION & 5 & \tabularnewline
Ask the patient to begin with 100 and count backwards by 7. Stop after 5 subtractions (93, 86, 79, 72, 65). Score the total number of correct answers. If the patient cannot or will not perform the serial 7s task, ask him/her to spell the word “WORLD” backwards. The score is the number of letters in the correct order (eg, DLROW = 5; DLRW = 4; DLORW, DLW = 5; OW = 2; DRLWO = 1). & \tabularnewline
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RECALL & 3 & \tabularnewline
Ask the patient to recall the 3 items repeated above (eg, “apple,” “table,” “penny”). & \tabularnewline
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LANGUAGE & 2 & \tabularnewline
1. Naming: Show the patient a wristwatch and ask him/her what it is. Repeat for pencil. & 1 & \tabularnewline
2. Repetition: Ask the patient to repeat the phrase “No ifs, ands, or buts” after you. & \tabularnewline
3. 3-Stage Command: Give the patient a piece of blank paper and ask him/her to “take a piece of paper in your right hand, fold it in half, put it on the floor.” Score 1 point for each part correctly executed. & \tabularnewline
4. Reading: On a blank piece of paper, print the sentence “CLOSE YOUR EYES” in letters large enough for the patient to see clearly. Ask him/her to read it and do what it says. Score 1 point only if he/she actually closes his/her eyes. & \tabularnewline
5. Writing: Give the patient a blank piece of paper and ask him/her to write a sentence. Do not dictate a sentence; it is to be written spontaneously. It must contain a subject and verb and be sensible. Correct grammar and punctuation are not necessary. & \tabularnewline
6. Copying: Ask the patient to copy the figure of intersecting pentagons exactly as it is. All 10 angles must be present and 2 must intersect to form a 4-sided figure to score 1 point. Tremor and rotation are ignored. & \tabularnewline
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Expected decline in MMSE scores in untreated mild to moderate Alzheimer’s patient is 2 to 4 points per year.\textsuperscript{1,4}\textsuperscript{*}

* Adapted from Folstein et al and Cockrell and Folstein.© 1975, 1998 Mini Mental LLC. Used with permission.


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