

ECCA (ELECTROCONVULSIVE COGNITIVE ASSESMENT)

INSTRUCTIONS

General Instructions for Administration and Scoring:

The ECCA was designed to monitor cognition in patients who are receiving ECT. The test should be administered prior to the first ECT treatment, mid-course and after completion of the acute course. Additionally, it should be administered at any time when adjustment of parameters is being considered (e.g., increasing the charge, decreasing number of weekly treatments, switching modality).

It is important to have a reliable informant in order to conduct the test. Please note that if the informant is not present, you may contact him/her by phone to verify the patient's responses to the "Informant" and "Autobiographical Memory" sections.

Domain	Question	Scoring
Orientation	<p><i>"Tell me today's date"</i></p> <p>Then ask further:</p> <p><i>"Tell me the month and the year."</i></p> <p><i>"Tell me the name of this building or place that we are in."</i></p>	Give one point for each <u>exactly correct</u> response.
Subjective	<i>"I am going to ask you about how you feel your memory is right now. Please answer yes or no to the questions."</i>	Give one point to each negative response.
Objective by Informant	<p>Addressing the informant you say:</p> <p><i>"I am going to ask your opinion about Mr./Mrs. _____ memory. Please answer yes or no to the best of your knowledge."</i></p>	Give one point to each negative response.
Registration	<i>"Now we will test your memory. I am going to read a list of four words. I would like you to repeat them after me and try to memorize them. I am going to ask you about them at the end of the test."</i>	No points are given for registration.
Attention	<p>1: <i>"Please say the months of the year backwards beginning with December and going all the way to January."</i></p> <p>2: <i>"You know the letters of the alphabet A, B, C and so on and you know the numbers 1, 2, 3 and so on."</i></p> <p>> PRE ECT</p> <p><i>"We are going to work on pairing numbers with letters. 1 is the first number, and A is the first letter of the alphabet. So if you start with 1A, 2B, what comes next? Keep pairing until I say stop".</i></p> <p>> MID ECT</p> <p><i>"We are going to work on pairing numbers with letters. 5 is the 5th number and E is the fifth letter of the alphabet. So if you start with 5E, 6F, what comes next? Keep pairing until I say stop".</i></p>	<p>Give one point for each correct answer.</p> <p>Use the alternative questions for the ECT #6 and post ECT assessments while using the same commands.</p> <p><u>Any mistake disqualifies the point</u></p>

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Domain	Question	Scoring
Attention Continued from page 1	<p>> POST ECT</p> <p><i>"We are going to work on pairing numbers with letters. 10 is the 10th number and J is the tenth letter of the alphabet. So if you start with 10J, 11K, what comes next? Keep pairing until I say stop".</i></p> <p>3: <i>"Please subtract seven from 100 and keep subtracting by seven until I ask you to stop."</i></p>	See page 1
Autobiographical Memory	<p>Ask and write the answers so you can corroborate them:</p> <p>1: <i>"Where did you go on your last overnight trip?"</i></p> <p>2: <i>"What did you do last New Year's Eve?"</i></p> <p>3: <i>"What did you do on your last birthday?"</i></p> <p>4: <i>"What did you have for dinner yesterday?"</i></p> <p>5: <i>"What was the last restaurant you visited?"</i></p> <p>6: <i>"What are the psychiatric medications you are taking?"</i></p>	<p>Give the informant-sheet to the care partner so they can have time to verify the answers or call other relatives.</p> <p>For this section, it is very important to consistently corroborate with the informant.</p> <p>Please write the answers so you can compare with subsequent tests.</p> <p>Give one point for each correct response.</p>
Fund of Knowledge	<p>I am going to ask general knowledge questions please answer them to the best of your knowledge.</p> <p>1: <i>"What are the colors of the flag? You can specify the American flag if you are in the USA."</i></p> <p>2: <i>"Who was the previous president?"</i></p> <p>3: <i>"What is the capital of your state/province?"</i></p> <p>4: <i>"How many days are in a year? (365)"</i></p> <p>5: <i>"How many states/provinces are in your country? (50)"</i></p>	<p>Give one point for each correct response.</p> <p>If you are in a country not divided by states or provinces, please adapt the question to address the way in which it is divided.</p>
Recall	<p><i>"I gave you four words earlier, and I asked you to repeat them and remember them. Could you please tell me the four words I gave you earlier?"</i></p>	<p>Give one point for each correct response.</p>