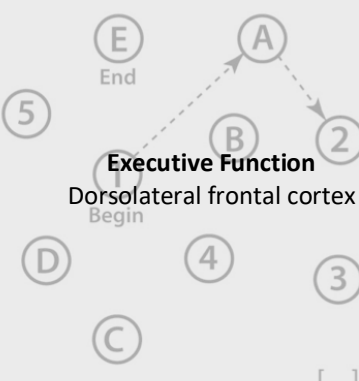
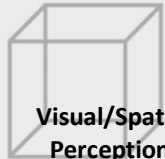
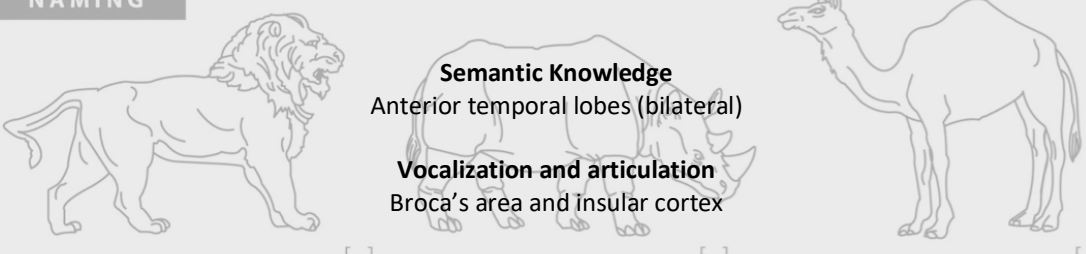


Montreal Cognitive Assessment Lesion Localization

MONTREAL COGNITIVE ASSESSMENT (MOCA)
Version 7.1 Original Version

NAME :
Education : Date of birth :
Sex : DATE :

VISUOSPATIAL / EXECUTIVE  <p>Executive Function Dorsolateral frontal cortex</p>		 <p>Copy cube</p> <p>Visual/Spatial Perception, Construction Praxis Right parietal lobe</p> <p>Executive Function Dorsolateral frontal cortex</p>	<p>Draw CLOCK (Ten past eleven) (3 points)</p> <p>Constructional Praxis Right Parietal Lobe</p> <p>Executive Function Dorsolateral frontal cortex</p>	POINTS																		
NAMING  <p>Semantic Knowledge Anterior temporal lobes (bilateral)</p> <p>Vocalization and articulation Broca's area and insular cortex</p>				___/3																		
MEMORY Read list of words, subject must repeat them. Do 2 trials, even if subject forgets. Do a recall after 5 minutes.	Working Memory <table border="1"> <tr> <td></td> <td>FACE</td> <td>VELVET</td> <td>CHURCH</td> <td>DAISY</td> <td>RED</td> </tr> <tr> <td>1st trial</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2nd trial</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		FACE	VELVET	CHURCH	DAISY	RED	1st trial						2nd trial						Anterior temporal lobes (bilateral)		No points
	FACE	VELVET	CHURCH	DAISY	RED																	
1st trial																						
2nd trial																						
ATTENTION Read list of digits (1 digit/ sec.). Subject has to repeat them in the forward order.	ATTENTION <table border="1"> <tr> <td>[]</td> <td>2</td> <td>1</td> <td>8</td> <td>5</td> <td>4</td> </tr> </table>	[]	2	1	8	5	4	Dorsolateral frontal lobes		___/2												
[]	2	1	8	5	4																	
ATTENTION Read list of letters. The subject has to repeat them in the backward order.	TAPPING <table border="1"> <tr> <td>[]</td> <td>2</td> <td>1</td> <td>2</td> <td>1</td> </tr> </table>	[]	2	1	2	1	Response Inhibition Orbitofrontal cortex		___/1													
[]	2	1	2	1																		
SERIAL 7s Serial 7 subtraction starting at 100	Working memory/Attention <table border="1"> <tr> <td>[]</td> <td>86</td> <td>[]</td> <td>79</td> <td>[]</td> <td>65</td> </tr> </table>	[]	86	[]	79	[]	65	Dorsolateral frontal lobes		___/3												
[]	86	[]	79	[]	65																	
LANGUAGE REPEATING FLUENCY	Working memory/Executive Function Working memory/Executive Function	Dorsolateral frontal Dorsolateral frontal		___/2 ___/1																		
ABSTRACTION Similarity between words.	Abstraction <table border="1"> <tr> <td>[]</td> <td>watch - ruler</td> </tr> </table>	[]	watch - ruler	Dorsolateral prefrontal cortex		___/2																
[]	watch - ruler																					
DELAYED RECALL Optional	Memory <table border="1"> <tr> <td>FACE</td> <td>VELVET</td> <td>CHURCH</td> <td>DAISY</td> <td>RED</td> </tr> <tr> <td>[]</td> <td>[]</td> <td>[]</td> <td>[]</td> <td>[]</td> </tr> </table>	FACE	VELVET	CHURCH	DAISY	RED	[]	[]	[]	[]	[]	Hippocampus		___/5								
FACE	VELVET	CHURCH	DAISY	RED																		
[]	[]	[]	[]	[]																		
<p>If able to recall words with multiple choice or category cues, then memories were stored in the hippocampus, but unable to be retrieved. This would mean a frontal lobe deficit, more commonly seen in vascular dementia or Parkinson's dementia.</p>																						
ORIENTATION	<table border="1"> <tr> <td>[]</td> <td>Date</td> <td>[]</td> <td>Day</td> <td>[]</td> <td>Place</td> <td>[]</td> <td>City</td> </tr> </table>	[]	Date	[]	Day	[]	Place	[]	City	Memory Hippocampus		___/6										
[]	Date	[]	Day	[]	Place	[]	City															
© Z.Nasreddine MD		www.mocatest.org		Normal $\geq 26 / 30$	TOTAL	___/30																
Administered by: _____				Add 1 point if ≤ 12 yr edu																		