

The Centre for Family Medicine Memory Clinic Brain Map

Name: _____

Date: _____

Has delirium been ruled out?

Acute onset?	No	Yes
Fluctuating course?	No	Yes
Inattention?	No	Yes
Disorganized thinking?	No	Yes
Altered level of consciousness?	No	Yes

Has depression been ruled out?

SIGECAPS, GDS or Cornell Scale	Yes	No
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Is there a reversible cause?

Cranial imaging required?	No	Yes
<input type="checkbox"/> CBC, <input type="checkbox"/> TSH, <input type="checkbox"/> electrolytes, <input type="checkbox"/> creatinine, <input type="checkbox"/> calcium, <input type="checkbox"/> glucose, <input type="checkbox"/> B ₁₂		

Is there functional impairment?

<u>Independent Activities of Daily Living</u>	<u>Basic Activities of Daily Living</u>
Shopping/social functioning	Dressing
Housework/hobbies	Eating
Accounting – banking, bills, taxes, handling cash	Ambulation
Food preparation	Toileting
Telephone/Tools/Transportation	Hygiene
Medication management	

Are there deficits involving the **medial temporal lobe/hippocampus**?

Episodic Memory	3 word recall on MMSE	3	2	1	0		
	5 word recall on MoCA	5	4	3	2	1	0
	current day/day of week/season	intact		impaired			
	current events	intact		impaired			
	what the person had for breakfast/dinner (corroborated)	intact		impaired			

Are there deficits involving the **parietal lobe**?

Praxis	Constructional praxis (visuospatial relationships)	intersecting pentagons on MMSE		intact	impaired
		cube draw on MoCA		intact	impaired
		clock draw		intact	impaired ¹
	Ideomotor praxis (complex commands)	limb	Gestures – wave goodbye, salute, hitchhike / Pantomime tool use – hammer, comb	intact	impaired ²
		Bucco-facial	“blow out a match”	intact	impaired ³

¹ parietal and frontal (visuospatial and executive function)

² primarily parietal, but also dependent on frontal and occipital lobes

³ parietal and/or frontal

Are there deficits involving the **frontal lobe**?

Working Memory	digit span or WORLD forwards	intact	impaired
	digit span or WORLD backwards	intact	impaired
Executive Function	CLOX	intact	impaired
	clock draw	intact	impaired ¹
	Luria hand test	intact	impaired
	Trails B (task switching)	Intact	impaired
	Go-No Go (inhibitory control)	intact	impaired
	“f” words: ____ (phonemic verbal fluency)	11+	<11
	months of year backwards	intact	impaired
	animal list generation: ____	intact	impaired ²
	proverbs, similarities (abstraction)	intact	impaired
Frontal Behavioral Inventory score ³ : ____		< 30	30+

¹ frontal and parietal (executive and visuospatial function)

² frontal and anterior/inferolateral temporal lobe (executive function and semantic memory)

³ score of 30+ often seen in behavioral-variant FTD

Note: subcortical lesions can cause deficits in many of the above areas

MMSE score: _____	MoCA score: _____
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