

Supplementary Material

Hippocampal Volume and Episodic Associative Memory Identify Memory Risk in Subjective Cognitive Decline Individuals in the CIMA-Q Cohort, Regardless of Cognitive Reserve Level and *APOE4* Status

Supplementary Table 1. Demographic, hippocampal data, and performance on selected neuropsychological measures, of participants with Subjective Cognitive Decline/Normal Hippocampus, Subjective Cognitive Decline/Small Hippocampus, Mild Cognitive Impairment, and cognitively healthy controls.

	CTRLS	SCD/NH	SCD/SH	MCI
<i>Demographic</i>				
Age	71.9 (±5.7) [66-89]	72.0 (±5) [65-84]	73.5 (±5.4) [67-88]	76.3 (±5.3) [68-85]
Education (y)	16.1 (±3.8) [11-26]	15.2 (±3.1) [9-22]	15.4 (±3.5) [11-24]	15 (±3) [9-22] ^a
<i>Clinical criteria tasks</i>				
MoCA	28.5 (±1.4) [25-30]	27.9 (±1.4) [24-30]	27.8 (±1.3) [26-30]	24.8 (±2.1) [19-30]
T-MMSE	25.2 (±1) [23-26]	24.1 (±2.1) [17-26]	25.1 (±1) [23-26]	24.3 (±1.6) [21-26]
Logical Memory	14.7 (±4.6) [3-21]	13.3 (±4.6) [0-22]	13.7 (±3.9) [6-21]	9.6 (±4.3) [0-17]
<i>Predictors</i>				
Mean hippocampal volume (Left and Right, z-score)	-0.1 (±0.9) [-1.6 1.9] ^a	0.3 (±0.7) [-0.9 2.2]	-1.5 (±0.6) [-2.8 -0.7]	-1.2 (±1.2) [-4.3 1.1]
Cognitive reserve	18 (±3.9) [8-23]	16.4 (±4.2) [6-28]	17.3 (±4.5) [10-25]	17.1 (±4) [9-24] ^a
<i>Predicted variable</i>				
Face-Name delayed recall (/9)	5.4 (±1.7) [2-9]	4.9 (±2.3) [1-9] ^b	3.1 (±1.9) [0-9] ^a	2.8 (±2.3) [0-8]
<i>Cognitive assessment</i>				
RAVLT delayed recall (/15)	11.1 (±2.3) [5-15] ^d	9.8 (±2.7) [4-14]	8.3 (±2.5) [3-12] ^b	6.8 (±3.6) [0-14]
Hayling inhibition test (/30)	18.6 (±4.1) [10-26] ^c	20.7 (±4.7) [6-28] ^b	17.9 (±5.1) [8-30] ^c	19.0 (±4.9) [4-28] ^d
Semantic Fluency test	21.1 (±5) [11-29]	19.7 (±4.6) [11-32]	19.0 (±5.0) [9-29]	16.4 (±4.0) [8-24]
Trail test Time B/ Time A	1.9 (±0.6) [1.2-4.3]	2 (±0.5) [1.2-3.3]	2 (±0.9) [0.9-4.6]	2.8 (±1.9) [0.9-9.4]
<i>Depression and anxiety scales</i>				
GDS	2.2 (±2.9) [0-15]	5.6 (±4.3) [0-16]	6.4 (±4.5) [0-13]	6.8 (±5.5) [0-17]
GAI	1.1 (±0.7) [0-12] ^a	2.7 (±0.5) [0-13]	3.2 (±0.9) [0-11]	4.1 (±0.8) [0-20]

Unless otherwise indicated, values are mean ± standard deviation and ranges [min-max values].

CTRLS, Cognitively healthy controls; SCD/NH, Subjective Cognitive Decline/Normal Hippocampus; SCD/SH, Subjective Cognitive Decline/Small Hippocampus; MCI, Mild Cognitive Impairment; MoCA, Montréal Cognitive Assessment; T-MMSE, Telephone Mini-Mental-State-Examination; RAVLT, Rey Auditory Verbal Learning Test; GDS, Geriatric Depression Scale; GAI, Geriatric Anxiety Inventory.

^aData missing for one subject, ^bfor two subjects, ^cfor three subjects, ^dfor five subjects.