





















Supplementary Table 1 - Structure of the Five Digits Test

FDT	Instruction	Stimuli					Answer	Construct	Type of processing
Reading	<i>"I want you to read one number in each square: one, two..."</i>						1, 2, 3, 4 5	Processing Speed	Automatic
Counting	<i>"I want you to count how many asterisks are in each square: one, two..."</i>						1, 2, 3, 4, 5	Processing Speed	Automatic
Choosing	<i>"Now I want you to count how many numbers are in each square. Remember, you should count how many numbers are in each square, not read them: one, two, three..."</i>						5, 2, 3, 1, 4	Processing Speed, Inhibitory Control	Controlled
Shifting	<i>"Now you should count how many numbers are in each square, as you did it before, but when you come to the squares with a thick line, change the rule only in these squares, and read one of the numbers: one, two, three..."</i>						5, 2, 3, 1, 4	Processing Speed, Inhibitory Control, Cognitive Shifting	Controlled

FDT = Five Digits Test.

Supplementary Table 2 - Participants' performance on neuropsychological tests

	Control			MCI			AD		
	Pc75	Med	Pc25	Pc75	Med	Pc25	Pc75	Med	Pc25
Mini-Mental State Examination	29	29	28	27	25	23	23	20	18
Mattis Dementia Rating Scale	135	134	128	126	119	112	105	100	93
FDT – Decoding (time)	23	26	33	29	35	48	40	55	70
FDT – Retrieving (time)	26	30	35	32	41	50	42	60	74
FDT – Inhibiting (time)	42	49	67	50	65	100	75	95	110
FDT – Shifting (time)	57	73	90	81	102	130	98	111	144
FDT – Reading (errors)	0	0	0	0	0	0	0	0	1
FDT – Counting (errors)	0	0	0	0	0	0	0	0	1
FDT – Choosing (errors)	0	1	3	1	3	7	2	5	10
FDT – Shifting (errors)	1	3	7	4	8	11	9	14	18
Vocabulary (WAIS-III)	10	9	8	10	8	8	10	7	5
Colored Raven Progressive Matrices	28	24	19	21	17	15	17	14	12
Frontal Assessment Battery	16	15	13	13	11	9	10	9	8
Tower of London Test	27	25	19	29	24	18	22	17	6
Category Fluency ²	59	48	43	41	35	29	30	26	22

FDT = Five Digits Test; MCI = mild cognitive impairment; AD = mild Alzheimer's disease dementia; WAIS-III = Wechsler Adult Intelligence Scale, third edition; Pc = percentile; Med = median, 2 – Sum of animals, fruits and grocery items, each in one minute.