

On-line Table: Essential neuropsychological data of the included study groups of stable and deteriorating elderly control participants

Group	sCON Alleles				dCON Alleles				APOE Allele Effect 3/3 vs 3/2 (P Value)	APOE Allele Effect 4/3 vs 3/2 (P Value)	Group Effect (P Value)	Interaction 1 (P Value)	Interaction 2 (P Value)
	3/2	3/3	4/3	3/2	3/3	4/3	3/2	4/3					
MMSE													
Mean	28.45	28.52	28.85	28.19	28.47	28.50	28.19	28.50	.826	.304	.520	.620	.869
SD	1.18	1.24	0.99	1.17	1.49	1.48	1.17	1.48					
IADL													
Mean	8.09	8.36	8.15	8.19	8.31	8.34	8.19	8.34	.212	.834	.731	.622	.801
SD	0.29	0.94	0.46	0.68	0.87	1.63	0.68	1.63					
HAD Total													
Mean	5.36	5.36	6.37	7.62	5.98	6.63	7.62	6.63	1.000	.334	.042	.169	.165
SD	3.36	3.25	4.03	3.50	3.72	4.34	3.50	4.34					
Anxiety													
Mean	3.91	3.98	4.63	5.71	4.31	4.45	5.71	4.45	.915	.364	.033	.105	.070
SD	2.51	2.48	2.95	3.10	2.85	3.13	3.10	3.13					
Depression													
Mean	1.45	1.39	1.74	1.90	1.67	2.18	1.90	2.18	.853	.534	.358	.750	.992
SD	1.47	1.33	1.79	1.55	1.64	2.19	1.55	2.19					
Digit Span Forward													
Mean	5.91	5.77	5.89	5.52	5.70	5.39	5.52	5.39	.579	.947	.237	.377	.797
SD	1.15	1.11	1.09	0.93	1.10	0.75	0.93	0.75					
Visual Memory Span Forward (Corsi)													
Mean	5.55	5.43	5.30	5.05	5.06	5.00	5.05	5.00	.608	.367	.090	.682	.596
SD	0.86	0.93	1.07	0.97	0.98	0.96	0.97	0.96					
RI-48 Cued Recall Test													
Mean	28.45	29.50	31.56	27.24	25.62	26.71	27.24	26.71	.428	.060	.486	.156	.109
SD	6.31	5.16	5.15	5.24	6.01	6.63	5.24	6.63					
Shapes Test													
Total score (3 immediate recalls)													
Mean	33.91	33.94	34.00	33.86	32.63	32.97	33.86	32.97	.972	.933	.964	.309	.514
SD	3.83	3.27	2.70	3.15	4.44	3.54	3.15	3.54					
Delayed recall													
Mean	11.82	11.63	11.74	11.71	11.30	11.58	11.71	11.58	.431	.796	.744	.503	.888
SD	0.39	0.76	0.81	0.72	1.40	0.86	0.72	0.86					
Boston Naming Test													
Mean	19.68	19.33	19.30	19.33	18.94	18.76	19.33	18.76	.183	.248	.325	.915	.687
SD	0.57	0.97	1.20	0.86	1.26	1.65	0.86	1.65					
Digit-Symbol-Coding													
Mean	56.41	55.27	56.56	53.29	49.74	52.45	53.29	52.45	.667	.965	.375	.525	.829
SD	13.90	11.17	13.68	9.42	10.58	13.81	9.42	13.81					

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On-line Table: Continued

Group	APOE Allele Effect												Interaction 1 (P Value)	Interaction 2 (P Value)
	sCON Alleles				dCON Alleles				APOE Allele Effect 4/3 vs 3/2 (P Value)	Group Effect (P Value)				
	3/2	3/3	4/3	4/3	3/2	3/3	4/3	4/3						
Trail-Making Test A Times	42.73	41.05	37.81		44.48	45.25	44.97		.610	.231	.688	.601	.338	
	13.39	13.29	10.43		12.99	14.50	19.23							
Error	0.05	0.06	0.11		0.00	0.11	0.21		.853	.521	.676	.404	.304	
	0.21	0.27	0.32		0.00	0.43	0.47							
Trail-Making Test B Times	85.14	93.08	86.26		118.00	123.24	114.84		.434	.929	.015	.851	.806	
	22.26	36.06	27.39		37.93	52.85	53.86							
Error	0.18	0.26	0.04		0.52	0.80	0.63		.687	.537	.171	.452	.435	
	0.50	0.68	0.19		0.75	0.99	0.94							
Verbal Fluency	24.68	21.84	20.26		21.43	22.26	24.08		.042	.011	.078	.064	.003	
	4.71	5.57	6.39		5.42	6.43	6.78							
Wisconsin Card Sorting Test No. of categories completed	2.64	2.68	2.63		2.10	2.30	1.76		.823	.978	.034	.560	.325	
	0.85	0.64	0.79		0.94	0.87	1.20							
Apraxia Constructional (CERAD)	11.00	10.82	10.85		10.81	10.65	10.84		.226	.429	.338	.899	.483	
	0.00	0.60	0.46		0.51	0.82	0.44							
Ideomotor transitive	9.86	9.67	9.59		9.57	9.32	9.42		.287	.240	.233	.827	.704	
	0.35	0.66	0.75		0.68	0.98	0.79							
Ideomotor intransitive	19.68	19.66	19.44		19.48	19.38	19.39		.913	.359	.455	.805	.662	
	0.65	0.80	1.05		0.87	0.99	0.92							
Reflexive	7.14	7.36	7.30		6.81	7.05	7.32		.327	.580	.288	.970	.385	
	1.13	0.85	0.91		1.12	1.13	0.96							
Visual gnosis (Ghent Overlapping Figures)	5.00	4.99	5.00		5.00	4.99	5.00		.651	1.000	1.000	.982	1.000	
	0.00	0.09	0.00		0.00	0.08	0.00							

Note:—MMSE indicates Mini-Mental State Examination; IADL, Lawton Instrumental Activities of Daily Living; HAD, Hospital Anxiety and Depression Scale; CERAD, Consortium to Establish a Registry for Alzheimer Disease.