

Supplementary Table 1. Results of Paired T-Test and Repeated Measures Analysis of Variance for Neuropsychological Tests

Neuropsychological tests	EAM group			Control group		
	Baseline	12 months	<i>p</i> value	Baseline	12 months	<i>p</i> value
Digit span forward	5.16 (1.21)	4.96 (1.51)	0.346	5.55 (1.24)	5.59 (1.32)	0.846
Digit span backward	2.96 (0.89)	3.20 (1.15)	0.219	3.59 (1.30)	3.24 (1.43)	0.087
K-BNT	40.56 (9.16)	36.56 (10.40)	<0.001	38.57 (10.79)	35.32 (12.34)	0.002
RCFT copy	24.50 (10.87)	21.98 (12.31)	0.049	27.74 (7.62)	23.88 (10.31)	0.001
SVLT immediate recall	13.69 (3.74)	12.69 (4.59)	0.081	12.93 (4.74)	12.07 (5.01)	0.088
SVLT delayed recall	1.24 (1.85)	0.80 (1.35)	0.147	1.48 (1.88)	0.93 (1.81)	0.031
SVLT recognition	17.60 (3.14)	16.48 (2.58)	0.032	16.97 (2.64)	16.21 (2.98)	0.082
RCFT immediate recall	4.14 (3.54)	3.14 (4.13)	0.010	4.16 (3.52)	3.05 (3.24)	0.017
RCFT delayed recall	3.82 (4.21)	2.40 (4.29)	0.014	3.52 (3.46)	2.62 (3.20)	0.014
RCFT recognition	16.92 (2.61)	16.72 (3.13)	0.678	16.69 (2.79)	16.45 (2.76)	0.541
COWAT animal	11.00 (3.16)	10.28 (4.29)	0.300	11.76 (4.23)	10.10 (4.63)	0.001
COWAT supermarket	11.24 (5.04)	10.16 (3.66)	0.302	11.10 (5.20)	8.69 (5.03)	0.018
COWAT phonemic	16.83 (9.19)	16.50 (10.78)	0.852	19.86 (10.06)	16.28 (9.80)	0.007
Stroop color reading	51.56 (28.89)	48.56 (36.44)	0.427	58.48 (30.95)	48.28 (33.87)	0.001
DSC	35.74 (15.82)	30.16 (17.15)	0.014	41.30 (17.78)	36.22 (18.25)	0.002
K-TMT-E-B time	133.63 (105.88)	150.63 (119.49)	0.320	118.05 (96.90)	135.90 (105.70)	0.332
CDR sum of boxes	2.88 (1.68)	3.81 (2.17)	<0.001	2.41 (1.28)	3.62 (2.55)	0.001

	EAM group				Control group			
	Baseline	6 months	12 months	<i>p</i> value	Baseline	6 months	12 months	<i>p</i> value
MMSE	22.70 (3.75)	21.30 (5.05)	20.35 (4.93)	0.031	24.09 (3.59)	23.09 (4.18)	22.09 (4.83)	0.076

CDR, Clinical Dementia Rating; COWAT, Controlled Oral Word Association Test; DSC, Digit Symbol Coding; EAM, electrical automatic massage; K-BNT, Korean version of the Boston Naming Test; K-TMT-E-B, Korean Trail Making Test-Elderly's version part B; MMSE, Mini-Mental State Examination; RCFT, Rey-Osterrieth Complex Figure Test; SD, standard deviation; SVLT, Seoul Verbal Learning Test.

Data are presented as mean (SD).