

SUPPLEMENTARY TABLES

Supplementary Table 1. Intragroup comparison between different educational levels. Non-parametric two sample test (Mann-Whitney U) was used (significant $p < .05$). The scores of cognitive tests are represented by the mean of Z-scores.

	Control group (n=15)		p-value	ADT group (n=50)		p-value
	Low-educational level	High-educational level		Low-educational level	High-educational level	
Verbal fluency (phonetic)						
<i>WLG intrusions</i>	0.25543	-0.44145	.126	0.23473	-0.69085	.017
<i>WLG persistence</i>	-0.37913	-0.3507	.931	-0.12525	0.87459	.022
Verbal fluency (semantic)						
<i>COWAT intrusions</i>	-0.13019	-0.13019	1.000	0.10985	-0.13019	.886
<i>COWAT persistence</i>	-0.3336	-0.3336	1.000	0.12771	0.07645	.668
Visuospatial and visuoperception						
<i>JLOT</i>	-0.67876	0.08973	.310	0.0071	0.43128	.341
<i>HVOT</i>	-0.37287	1.30669	.010	-0.32416	0.48956	.014
Processing speed						
<i>TMT A (time [s])</i>	0.52413	-0.57071	.048	0.11927	-0.34511	.130
Visual memory						
<i>BVMT (SD)</i>	-0.08155	0.43814	.556	-0.28614	0.50517	.029
Verbal memory						
<i>TAVEC (SD)</i>	0.41293	0.36765	.639	-0.19468	0.31948	.038
<i>TAVEC recognition (SD)</i>	0.14694	1.05542	.018	-0.12084	-0.01259	.825

Supplementary Table 2. Results of the linear regression analyses considering the score of each cognitive test as a dependent variable.

	β Estimate	SE	F	p-value
WLG intrusions				
<i>Age</i>	-.140	.183	.794	.450
<i>Lesion</i>	-.021	.173	.204	.902
<i>ADT</i>	-.131	.436	.090	.765
<i>ADT * Lesion</i>	.318	.609	.273	.604
<i>Age * ADT</i>	.653	.420	2.424	.128
<i>Age * Lesion</i>	-.224	.178	.581	.214
<i>Age * ADT * Lesion</i>	-.060	.510	.014	.907
WLG persistence				
<i>Age</i>	.130	.184	.221	.486
<i>Lesion</i>	.293	.174	.446	.101
<i>ADT</i>	.364	.438	.690	.411
<i>ADT * Lesion</i>	.177	.613	.083	.775
<i>Age * ADT * Lesion</i>	.090	.513	.031	.861

<i>Age * Lesion</i>	.281	.179	.841	.125
<i>Age * ADT * Lesion</i>	.090	.513	.031	.861
COWAT intrusions				
<i>Age</i>	.215	.186	.236	.253
<i>Lesion</i>	-.348	.183	.425	.064
<i>ADT</i>	.269	.483	.311	.580
<i>ADT * Lesion</i>	-.348	.533	.425	.518
<i>Age * ADT</i>	.215	.443	.236	.630
<i>Age * Lesion</i>	-.328	.188	.492	.088
<i>Age * ADT * Lesion</i>	.328	.468	.492	.487
COWAT persistence				
<i>Age</i>	-.174	.192	.145	.369
<i>Lesion</i>	.069	.189	.016	.718
<i>ADT</i>	.577	.499	1.337	.254
<i>ADT * Lesion</i>	.069	.550	.016	.901
<i>Age * ADT</i>	-.174	.458	.145	.705
<i>Age * Lesion</i>	-.142	.194	.087	.467
<i>Age * ADT * Lesion</i>	.142	.483	.087	.770
JLOT				
<i>Age</i>	-.047	.159	8.299	.768
<i>Lesion</i>	.153	.156	3.252	.331
<i>ADT</i>	1.211	.447	7.342	.010*
<i>ADT * Lesion</i>	-.506	.456	1.281	.264
<i>Age * ADT</i>	1.099	.414	7.039	.011*
<i>Age * Lesion</i>	.002	.160	1.835	.988
<i>Age * ADT * Lesion</i>	-.558	.415	1.804	.187
HVOT				
<i>Age</i>	-.337	.147	11.937	.027*
<i>Lesion</i>	.023	.144	.375	.872
<i>ADT</i>	.276	.358	.594	.445
<i>ADT * Lesion</i>	.287	.393	.534	.469
<i>Age * ADT</i>	.529	.348	2.309	.136
<i>Age * Lesion</i>	.068	.149	.027	.648
<i>Age * ADT * Lesion</i>	.077	.363	.045	.832
TMT A				
<i>Age</i>	.173	.165	5.356	.298
<i>Lesion</i>	.125	.156	.764	.428
<i>ADT</i>	-.539	.386	1.949	.171
<i>ADT * Lesion</i>	-.120	.422	.080	.778
<i>Age * ADT</i>	-.525	.377	1.941	.171
<i>Age * Lesion</i>	.043	.160	.129	.791
<i>Age * ADT * Lesion</i>	-.055	.390	.020	.888
BVMT				
<i>Age</i>	-.013	.197	1.809	.947
<i>Lesion</i>	.100	.203	.058	.625
<i>ADT</i>	.035	.573	.004	.952
<i>ADT * Lesion</i>	.329	.534	.381	.542
<i>Age * ADT</i>	.650	.503	1.671	.206
<i>Age * Lesion</i>	.014	.187	.809	.942
<i>Age * ADT * Lesion</i>	.454	.474	.916	.346
TAVEC (SD)				
<i>Age</i>	.123	.154	.054	.427
<i>Lesion</i>	-.135	.151	.141	.377
<i>ADT</i>	-.435	.379	1.322	.256
<i>ADT * Lesion</i>	-.426	.416	1.049	.311
<i>Age * ADT</i>	.161	.368	.192	.663
<i>Age * Lesion</i>	.004	.154	.042	.980
<i>Age * ADT * Lesion</i>	-.071	.383	.035	.853
TAVEC				
<i>Age</i>	-.010	.170	.898	.956
<i>Lesion</i>	-.090	.168	.044	.594
<i>ADT</i>	-.458	.417	1.207	.278
<i>ADT * Lesion</i>	-.084	.458	.033	.856
<i>Age * ADT</i>	.365	.406	.811	.373
<i>Age * Lesion</i>	.235	.172	.355	.179
<i>Age * ADT * Lesion</i>	.218	.423	.266	.609