SUPPLEMENTARY TABLES

Supplementary Table 1. Brain-behavior correlations in AD subjects.

Neuroimaging measures	Behavioral measures	Correlation coefficient	P value	
FDG_DMN	MMSE	0.027	0.915	
	MoCA	0.032	0.901	
	AVLT	-0.029	0.910	
	DST	0.044	0.863	
	ADL	-0.085	0.736	
	BNT	0.276	0.267	
	CFT	0.365	0.136	
	TMT	0.157	0.535	
Volume DMN	MMSE	0.467	0.059	
_	MoCA	0.272	0.290	
	AVLT	0.245	0.344	
	DST	-0.158	0.544	
	ADL	-0.235	0.364	
	BNT	-0.295	0.251	
	CFT	0.278	0.279	
	TMT	0.559	0.020	
Volume Hip	MMSE	0.128	0.612	
	MoCA	0.040	0.876	
	AVLT	0.251	0.315	
	DST	0.350	0.154	
	ADL	-0.309	0.212	
	BNT	0.277	0.267	
	CFT	0.067	0.791	
	TMT	-0.152	0.547	

Note: Partial Pearson's correlation analysis was also performed to test the association between single parameter (e.g. brain atrophy or glucose metabolic reduction) and cognitive performance in the AD group. Statistical significance level was set at corrected P < 0.05 (two-tailed). Abbreviations: AD, Alzheimer's disease; MMSE, Mini-Mental State Examination; MoCA, Montreal Cognitive Assessment; AVLT, Rey Auditory Verbal Learning Test; DST, Digit Span Test; ADL, Activities of Daily Living; BNT, Boston Naming Test; CFT, Rey-Osteirreth Complex Figure Test; TMT, Trail Making Test; NC, normal controls; FDG_DMN, brain metabolism within the DMN; Volume_DMN, volume of the DMN; Volume_Hip , volume of hippocampus; FDG, Fluoro-2-deoxy-D-glucose; DMN, default mode network; Hip, hippocampus.

Supplementary Table 2. Summary of logistic regression analysis for different MRI measure used as a predictor of AD.

(A1) Brain metabolism as outcome predictors.

Predictor	В	SE B	Wald	P value
Brain metabolism within the DMN mask	28.35	10.30	7.57	0.006

(A2) GM volume as outcome predictors.

Predictor	В	SE B	Wald	P value
GM volume of the hippocampus	0.020	0.008	6.66	0.010

(B1) The classification table of a model containing brain metabolism within the DMN mask.

Observed outcome	Predicted outcome		Daysontogo sayyaat	
Observed outcome	AD	NC	Percentage correct	
AD	21	1	95.5	
NC	0	24	100.0	
Overall accuracy percentage of index			97.8	

Note: Model coded 0 for AD and 1 for NC. Abbreviations: AD, Alzheimer's disease; NC, normal controls; B, raw Beta coefficient; SE B, standard error for raw Beta coefficient.

(B2) The classification table of a model containing GM volume of the hippocampus.

Observed outcome	Predicted outcome		D
	AD	NC	Percentage correct
AD	21	1	95.5
NC	2	22	91.7
Overall accuracy percentage of index			93.5

Note: Model coded 0 for AD and 1 for NC. Abbreviations: AD, Alzheimer's disease; NC, normal controls; B, raw Beta coefficient; SE B, standard error for raw Beta coefficient.