

Supplementary Material

Sleep Dysregulation Is Associated with 18F-FDG PET and Cerebrospinal Fluid Biomarkers in Alzheimer's Disease

Supplementary Table 1. Numerical results of SPM comparisons between ¹⁸F-FDG uptake in AD patients and control group.

Analysis	Cluster level			Voxel level				
	Cluster p (FWE-corr)	Cluster p (FDR-corr)	Cluster extent	Cortical region	Z score of maximum	Talairach coordinates	Cortical region	BA
AD - CG	0.000	0.000	17478	L Limbic	7.32	0, -42, 30	Cingulate gyrus	31
				L Parietal lobe	6.46	-6, -70, 34	Precuneus	7
				R Parietal lobe	6.38	30, -70, 42	Precuneus	19
	0.001	0.001	1308	R Frontal lobe	4.90	32, 8, 56	Mid frontal gyrus	6
				R Frontal lobe	4.47	26, 22, 50	Superior frontal gyrus	8
				R Frontal lobe	4.12	40, 22, 42	Mid frontal gyrus	8
	0.053	0.046	432	L Frontal lobe	4.54	-30, 26, 46	Mid frontal gyrus	8
				L Frontal lobe	3.98	-26, 10, 58	Mid frontal gyrus	6
				L Frontal lobe	3.49	-38, 12, 52	Mid frontal gyrus	6

In the 'cluster level' section on left, the number of voxels, the corrected p value of significance and the cortical region where the voxel is found, are all reported for each significant cluster. In the 'voxel level' section, all of the coordinates of the correlation sites (with the Z-score of the maximum correlation point), the corresponding cortical region and BA are reported for each significant cluster. AD, Alzheimer's disease; CG, control group; L, left; R, right; BA, Brodmann's area. In the case that the maximum correlation is achieved outside the grey matter, the nearest grey matter (within a range of 5mm) is indicated with the corresponding BA.