

**Supplementary Table 1.** Regional brain volumes of study participants for each group

ROI volume	CU (mL)	MCI (mL)	Dementia (mL)	P
Frontal lobe				
RH	76.59±6.36	72.64±6.34	68.41±5.95	<0.001
LH	76.16±6.41	72.11±6.58	67.68±5.82	<0.001
Temporal lobe				
RH	49.61±4.61	46.59±4.93	42.22±5.38	<0.001
LH	52.10±4.82	49.03±5.03	44.50±5.49	<0.001
Parietal lobe				
RH	50.76±4.59	48.04±4.33	44.88±4.33	<0.001
LH	49.90±4.68	47.27±4.34	44.07±4.22	<0.001
Occipital lobe				
RH	20.04±2.01	19.61±2.13	18.79±1.96	<0.001
LH	20.96±2.22	20.47±2.31	19.61±2.19	<0.001
Lateral ventricle				
RH	17.76±9.13	23.61±11.60	30.93±13.73	<0.001
LH	15.53±8.05	20.89±10.04	27.92±11.94	<0.001
Hippocampus				
RH	3.50±0.41	3.15±0.48	2.74±0.47	<0.001
LH	3.70±0.43	3.34±0.50	2.93±0.47	<0.001

Values are presented as mean±standard deviation. ROI, region of interest; CU, cognitively unimpaired; MCI, mild cognitive impairment; RH, right hemisphere; LH, left hemisphere