

Supplemental Table e-1. Association of CAA with decline in 5 specific cognitive systems*

	Episodic Memory beta (SE), p	Perceptual Speed beta (SE), p	Visuospatial abilities beta (SE), p	Working Memory beta (SE), p	Semantic Memory beta (SE), p
Age at death	-0.0008 (.0007), 0.235	.0007 (.0007), 0.292	.0007 (.0006), 0.219	-0.0002 (.0006), 0.688	.0009 (.0008), 0.909
Male Sex	0.015 (0.010), 0.120	0.017 (0.009), 0.059	0.016 (0.008), 0.037	0.001 (0.008), 0.881	-0.004 (0.011), 0.695
Education	0.0005 (0.001), 0.666	0.001 (0.001), 0.236	-0.00006 (0.001), 0.950	0.001 (0.001), 0.154	0.0006 (0.001), 0.668
AD	-0.106 (0.008), <.0001	-0.064 (0.007), <.0001	-0.043 (0.006), <.0001	-0.060 (0.006), <.0001	-0.102 (0.008), <.0001
Macroscopic infarcts	-0.026 (0.006), <.0001	-0.018 (0.006), 0.002	-0.015 (0.005), 0.001	-0.022 (0.005), <.0001	-0.016 (0.007), 0.016
Microinfarcts	-0.001 (0.007), 0.828	-0.008 (0.007), 0.195	-0.002 (0.005), 0.718	-0.003 (0.005), 0.534	-0.009 (0.007), 0.251
Lewy Bodies	-0.035 (0.010), 0.0007	-0.048 (0.010), <.0001	-0.025 (0.008), 0.002	-0.022 (0.005), 0.0005	-0.052 (0.012), <.0001
CAA	-0.012 (0.004), 0.006	-0.010 (0.004), 0.032	-0.005 (0.003), 0.148	-0.005 (0.003), 0.115	-0.019 (0.005), <.0001

*derived from separate linear mixed effects models

Supplemental Figure e-1. Distribution of CAA pathology

Representative cortical areas demonstrating amyloid angiopathy, grades 1-4. (A) In grade 1, there is segmental deposition of β -amyloid in the meningeal vessel (small arrowhead) and intracerebral arteriole (large arrowhead) which is shown at higher magnification in the inset. (B) In grade 2, there is circumferential deposition of β -amyloid as noted in 3 meningeal vessels and one intracerebral arteriole. There is progressively greater involvement of vessels in Grade 3 (C) and grade 4 shows maximal vessel involvement with a single field showing β -amyloid deposition in 4 meningeal and about 18 intracerebral vessels. Scale bar=200 μ m

