

Supplemental Table 1a: Patient Data

	Total eyes included	Sex (male)	Eye (OD)		Age (years)	Years of education	logMAR VA
Alzheimer's Disease (N=62)							
N	62	16	32	Mean	71.08	15.82	0.20
%	21.8%	25.8%	51.6%	SD	8.83	2.63	0.10
Cognitively Healthy Controls (N=222)							
N	222	61	114	Mean	68.35	17.21	0.10
%	78.2%	27.5%	51.4%	SD	7.56	2.18	0.10
p*		0.79	0.97		0.015	0.0041	<0.0001

* P-value for chi square testing for categorical variables and Wilcoxon rank sum testing for continuous variables.

logMAR, logarithm of the minimum angle of resolution; SD, standard deviation; VA, visual acuity; OD, right eye.

Supplemental Table 1b: Quantitative Optical Coherence Tomography Summary Data

	Mean GC-IPL thickness (μm)	Mean RNFL thickness (μm)	Subfoveal choroidal thickness (μm)	Central subfield thickness* (μm)
Alzheimer's Disease (N=62)				
Mean	73.20	86.10	228.77	263.32
SD	7.57	9.41	86.82	19.05
Cognitively Healthy Controls (N=222)				
Mean	77.44	90.08	275.13	267.03
SD	7.33	10.18	94.39	24.98
p**	0.0004	0.45	0.0011	0.79

* Central 1mm at the fovea on optical coherence tomography.

**P value for Wilcoxon rank sum testing.

GC-IPL, ganglion cell-inner plexiform layer; RNFL, retinal nerve fiber layer; SD, standard deviation

Supplemental Table 1c: Quantitative Optical Coherence Tomography Angiography Data

	FAZ area (mm ²)	FAZ circ	PD 3mm circle	PD 3mm ring	VD 3mm circle (mm/mm ²)	VD 3mm ring (mm/mm ²)	PD 6mm circle	PD 6mm inner ring	PD 6mm outer ring	VD 6mm circle (mm/mm ²)	VD 6mm inner ring (mm/mm ²)	VD 6mm outer ring (mm/mm ²)
Alzheimer's Disease (N=62)												
Mean	0.23	0.66	0.35	0.37	19.53	20.52	0.43	0.43	0.44	17.60	17.66	17.83
SD	0.09	0.08	0.03	0.03	2.01	1.93	0.03	0.05	0.03	1.29	1.77	1.21
Cognitively Healthy Controls (N=222)												
Mean	0.25	0.66	0.37	0.39	20.22	21.32	0.44	0.43	0.45	17.92	17.90	18.25
SD	0.12	0.08	0.02	0.02	1.47	1.44	0.03	0.04	0.02	1.00	1.36	0.95
p*	0.20	0.88	0.082	0.013	0.045	0.0043	0.12	0.30	0.049	0.11	0.27	0.063

* P value for Wilcoxon rank sum testing.

Circ, Circularity; FAZ, foveal avascular zone; PD, perfusion density; SD, standard deviation; VD, vessel density