

Table 5 Characteristics of the five optical coherence tomography categories.

OCT Group	1 (n=9)	2 (n=11)	3 (n=8)	4 (n=9)	5 (n=3)	p value
Age (years)						
Mean (SD)	26.8 (18.0)	23.8 (9.5)	20.6 (10.9)	28.2 (12.8)	25 (2)	0.77
Range	6-52	11-35	7-43	11-49	23-27	
Median	24	24	18	28	25	
Visual acuity (logMAR)						
Mean (SD)	0.95 (0.13)	0.91 (0.10)	0.96 (0.16)	0.85 (0.08)	0.93 (0.23)	0.44
Range	0.72-1.1	0.76-1.16	0.8-1.32	0.74-0.96	0.76-1.2	
Median	0.94	0.9	0.92	0.86	0.84	
Contrast sensitivity (logCS)						
Mean (SD)	1.09 (0.33)	1.12 (0.25)	1.16 (0.16)	1.25 (0.13)	1.25 (0.1)	0.57
Range	0.5-1.45	0.65-1.55	1-1.45	1.05-1.45	1.15-1.35	
Median	1.2	1.2	1.12	1.25	1.25	
Reading acuity (logMAR)						
Mean (SD)	0.92 (0.25)	0.78 (0.13)	0.70 (0.16)	0.66 (0.13)	0.68 (0.11)	0.02*
Range	0.6-1.32	0.54-0.9	0.5-0.9	0.5-0.92	0.56-0.77	
Median	0.99	0.8	0.65	0.68	0.7	
Retinal sensitivity (dB)						
Mean (SD)	16.1 (2.8)	17.2 (2.1)	16.9 (4)	17.4 (2.1)	12.3 (8.1)	0.21
Range	12.8-19.8	13.6-19.8	7.8-19.9	14.3-19.7	3.1-18.4	
Median	14.9	17.6	18	17.8	15.4	
BCEA (degrees)						
Mean (SD)	21.3 (19.7)	10.1 (5.3)	13.9 (12.9)	9.2 (11.9)	14.3 (16.2)	0.34
Range	3.8-40.8	2.5-16.8	4.7-44	1.7-37.5	3.6-32.9	
Median	14.4	10.2	8.5	3.75	6.4	

OCT category: 1=continuous ISe; 2=ISe disruption; 3=ISe absence; 4=Hyporeflective zone present; 5=Outer retinal atrophy. *Bonferroni post-hoc analysis shows a significant difference in reading acuity between OCT category 1 and 4.

logMAR = logarithm of the minimum angle of resolution; logCS = logarithm of contrast sensitivity; SD = standard deviation; dB = decibel; BCEA = bivariate contour ellipse area; OCT = optical coherence tomography; ISe = inner segment ellipsoid.