Title: Vascular changes of the choroid and their correlations with visual acuity in pathological myopia

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Supplementary Materials

Supplementary Table 1. Correlation Among Choroidal Parameters After Adjusting for Other Variables

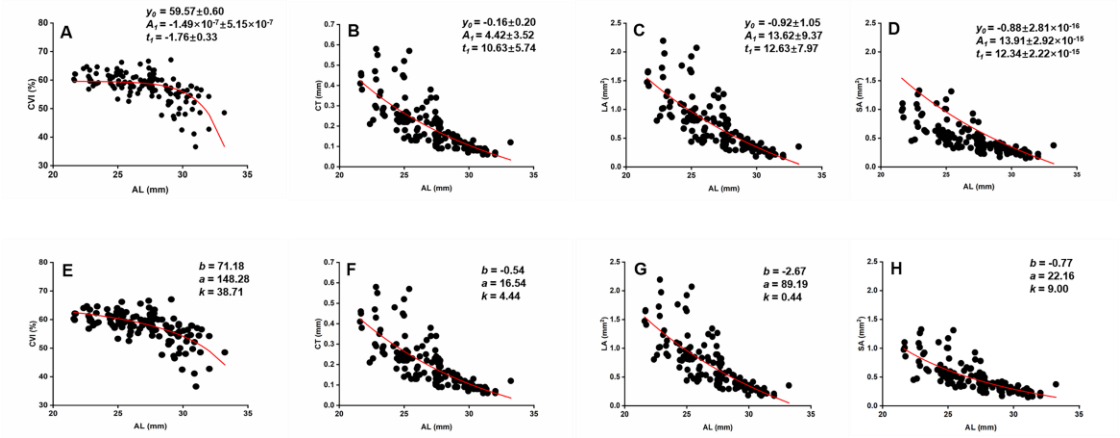
Parameters		CVI (%)	CT (mm)	LA (mm^2)	SA (mm^2)
CVI (%)	Coefficients	-	0.068	**0.033**	-0.012
	P value		0.077	**0.002**	0.521
CT (mm)	Coefficients	-	-	**3.737**	**2.262**
	P value			**<0.001**	**<0.001**
LA (mm^2)	Coefficients	-	-	-	**1.543**
	P value				**<0.001**

CVI, choroidal vascularity index; CT, choroidal thickness; LA, luminal area; SA, stromal area.

Supplementary Table 2. Partial Correlation Analysis Based on Best-Corrected Visual Acuity

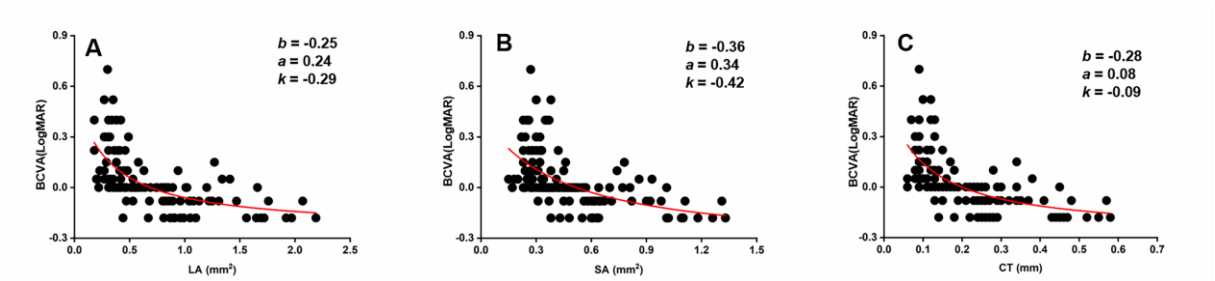
Control	**Parameters**		**CVI (%)**	**LA (mm^2)**	**SA (mm^2)**	**CT (mm)**
AL (mm)	BCVA (LogMAR)	Coefficients	-0.318	-0.15	-0.06	-0.12
		P value	**<0.001**	0.09	0.47	0.18

AL, axial length; BCVA, Best-Corrected Visual Acuity; CT, choroidal thickness; CVI, choroidal vascularity index; LA, choroidal luminal area; SA, choroidal stromal area.



Supplementary Figure 1. The relationships among CVI, CT, LA, SA with AL were analyzed with exponential function and hyperbola. (A-D) CVI, CT, LA, and SA versus AL with exponential function [$y = A_1 \times e^{(-x/t_1)} + y_0$], respectively. (E-H) CVI, CT, LA, and SA versus AL with hyperbola [$y = a/(x - k) + b$], respectively.

AL, axial length; CT, choroidal thickness; CVI, choroidal vascularity index; LA, choroidal luminal area; SA, choroidal stromal area. A1, t1, y0, a, k and b are constants.



Supplementary Figure 2. The relationships among LA, SA, CT with AL were analyzed with hyperbola [$y = a/(x - k) + b$]. (A) LA versus BCVA. (B) SA versus BCVA. (C) CT versus BCVA. a, k and b are constants.

BCVA, best-corrected visual acuity; LA, choroidal luminal area; SA, choroidal

stromal area; CT, choroidal thickness.