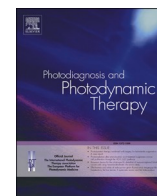




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## Letter to the editor

## OCT and OCTA evaluation of vascular and morphological structures in the retina in recovered pediatric patients with Covid-19



## ARTICLE INFO

## Keywords

Choroidal thickness  
EDI-OCT  
OCT

### Summary

Standardized measurements are needed to obtain reliable data, therefore the aim of this letter is to clarify some points.

To the Editor

We read with great interest the article by Tyriaki Demir et al. [1] concerning OCT and OCTA evaluation of vascular and morphological structures in the retina in recovered pediatric patients with Covid-19 making a remarkable contribution to research concerning this topic, but we would like to make some comments.

The idea to compare the choroidal thickness (ChT) in healthy and Covid-19 patients is very interesting as changes in ChT have been found to be related to several diseases [2–7] but the authors did not consider that there is a relationship between ChT and axial length: eyes with a shorter axial length are related to thicker choroid and longer axial lengths to thinner one, making their results questionable.

It is true that in the axial length measurements some corrections are needed, but they are precise enough for such a purpose [8]

In addition, we are a bit concerned about the measurement technique adopted by the authors, in fact they did not draw the lines perpendicularly to RPE-Bruch's complex, which is essential in order to obtain comparable e reliable data.

Furthermore, despite the ChT was defined as the distance between the base of the RPE and choroidoscleral boundary the author performed each manual measurements above RPE-Bruch's complex, as shown in figure 1a.

The standardization of the measure technique is really important when small structures are assessed, because few microns changes could result in a bias of the data.

### Financial Disclosure

None.

### CRedit authorship contribution statement

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### Declaration of Competing Interest

No conflicting relationship exists for any author.

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<https://doi.org/10.1016/j.pdpdt.2023.103341>

Received 4 January 2023; Accepted 10 February 2023

Available online 16 February 2023

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