

Reply: Choroidal thickness changes in post-COVID-19 cases

Resposta: Mudanças de espessura da coroide nos casos após COVID-19

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Dear Editor,

First, we would like to thank the authors for their interest in our study.

As mentioned, the choroid is one of the most vascularized regions of the human body. Therefore, various local and systemic physiologic/pathologic conditions and environmental factors affect the choroidal thickness⁽¹⁾. We reported in our study that there was no significant difference between the study groups in terms of age and gender ($p=0.063$ and $=0.51$, respectively)⁽²⁾. We evaluated the study files and added the missing portions of the results. No participant showed any systemic/local disease without COVID-19 disease in the study. There was a history of anticoagulant and antiviral drug use in the Covid group. However, to the best of our knowledge, no study has yet evaluated the effect of these agents on the choroidal thickness.

Comparison of the intraocular pressure and spherical equivalent between the groups revealed no statistically

significant difference ($p=0.15$ and $=0.21$, respectively). Our measurements were made between 10 and 12 AM to reduce the effects of diurnal variation on the choroidal thickness.

However, the participants were not questioned about their body mass index, menstrual cycle, caffeine use, and food consumption in our study, which can be considered as a limitation of the study. We thank the authors for pointing out the deficiency in the article and their valuable contribution.

REFERENCES

1. Nickla DL, Wallman J. The multifunctional choroid. *Prog Retin Eye Res* [Internet]. 2010 [cited 2021 jun 24];29(2):144-68. Available from: THE MULTIFUNCTIONAL CHOROID - PMC (nih.gov)
2. Konuk SG, Kilic R, Turkyilmaz B, Turkoglu E. Choroidal thickness changes in post-COVID-19 cases. *Arq Bras Oftalmol* [Internet]. 2022 [2022 may 24]; Mar. ahead of print. Available from: SciELO - Brasil - Choroidal thickness changes in post-COVID-19 cases Choroidal thickness changes in post-COVID-19 cases