Reviewer’s report

Title: Effect of Oral Colchicine on Peripapillary Retinal Nerve Fiber Layer Thickness in Patients with Familial Mediterranean Fever

Version: 2 Date: 13 Nov 2017

Reviewer: Koen Willekens

Reviewer’s report:

Dear,

congratulations with this excellent original research article on the pRNFL thickness in FMF patients with and without colchicine treatment. To further improve the quality of the manuscript please consider the following:

- background: add here the explaining sentences that are currently in the discussion as of why colchicine could have an effect on the pRNFL thickness.

- methods: you specify to have only done the 3 consecutive circular line scans in these patients. Was this not combined with a more profound analysis of the optic disc rim and cup or the macular ganglion cell layer? If these data are available, please incorporate them in the manuscript

- results: the first sentence states that 66 FMF patients were enrolled, the second states that 10 were excluded and the third is again talking about 25+41=66 patients. This is confusing; please adapt

please add a representative figure of the OCT scan (scanned image + software analysis and pRNFL thickness measurements)

- discussion:

"We didn't found..."; convert to writing language "we did not find...

"hypopion uveitis" is a somewhat vague description of a typical(?!) Behcet uveitis (bilateral nongranulomatous panuveitis and retinal vasculitis with a typical mobile hypopion)

Please address if the OCT images were assessed for any signs of intraretinal edema, disc swelling, hemorrhages, etc.

Please address possible confounding factors regarding pRNFL measurements: status of the vitreous (PVD stage/ vitreopapillary traction / epiretinal membrane /etc.) To exclude for instance glaucoma, did you perform a visual field test in all patients? (if so, please report the MD values)
Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

Quality of written English
Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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