Reviewer’s report

Title: The relationship between foveal outer nuclear layer thickness in the active and resolved phases of central serous chorioretinopathy treated with half-dose photodynamic therapy

Version: 0 Date: 05 Nov 2018

Reviewer: Ilir Arapi

Reviewer’s report:

I wish to thank the Associated Editor for the invitation in this review.

The authors are presenting a manuscript dealing with the calculation of the relationship between the foveal ONL thickness before photodynamic therapy and 1 year after PDT treatment.

1- The title should be changed in accordance to the aim of the paper (adding half fluence PDT).

2- Was computer based calliper measurement tool employed in order to measure the ONL on the OCT scans? please specify in the text

3 The figures shown by the authors are not clear, they need symbols and numbers in order to specify the anatomic features and quantitative measurements of the fovea respectively.

4- A demographic table is necessary (age, gender, bcva, crt and PDT details such as spot size).

5- Why did the authors employ the median and not the mean? please specify in the text

6- Which was the mean number of PDT sessions and did PDT treatment result in SRF absorption in all patients in the first attempt? please specify in the text

7- What was the mean disease duration? please specify in the text

8- Did the authors notice a correlation between disease duration and ONL thickness at the end of the 12 months? please specify in the text

9- In the discussion section the authors should mention the study limitations such as absence of a normal control group/ standard fluence control group, small sample group, absence of a second blind examiner measuring the ONL.

10- In their conclusions the authors are claiming that in their study the majority of eyes with resolved CSC showed some increase in the foveal ONL thickness (without specifying if this increase is statistically significant) due to the ratio of the retinal detachment height to the subretinal space width in the active phase. However there are a number of studies, including the employment of PDT in cCSC patients, claiming that short disease duration (<18 months) does not show to influence ONL thickness.


H. Vasconcelos, I. Marques, A. R. Santos et al., "Long-term chorioretinal changes after photodynamic therapy for chronic central serous chorioretinopathy."]

Moreover in attendance to Ozdemir I. et al, the patients affected by cCSC and not treated by PDT or Anti-VEGF showed a thinner ONL only in the 4th month of the disease as the SRF was increasing.


Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

No

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

No

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

No

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 recommend additional statistical review

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Please indicate the quality of language in the manuscript:

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