Reviewer’s report

Title: Predictive multi-imaging biomarkers relevant for visual acuity in idiopathic macular telangiectasis type 1

Version: 1 Date: 25 Dec 2017

Reviewer: Seong Joon Ahn

Reviewer's report:

Guo et al. reported predictive factors for visual acuity in idiopathic macular telangiectasis type 1. Although the findings are of potential interest, I feel the findings do not represent a big contribution to the already published literature on this topic.

1. The authors have failed to enroll an adequate number of eyes in each group.

2. There are numerous grammatical errors in the manuscript, which made it difficult to follow.

3. As CMT was increased in eyes with macular telangiectasia, the eyes may have intraretinal cysts, which may lead to errors in the calculation of FAZ or microvascular density of SCP or DCP. Hard exudates may also significantly affect the calculation and also that of photoreceptor defects (due to posterior shadowing). The authors did not mention the possible sources of image artifacts in their OCTA images, which are very important for interpreting the results.

4. How can the authors ensure that there were no segmentation errors in eyes with MT (pathologic eyes)?

5. Mann-Whitney test is used for comparing mean between two independent groups. As the eyes with MT and contralateral eyes were paired, non-parametric version of paired t-test (Wilcoxon) may be more appropriate.
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.

Yes

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 am able to assess the statistics

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

Not suitable for publication unless extensively edited

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