Reviewer's report

Title: Frequency Doubling Technology, Optical Coherence Technology and Pattern Electroretinogram in Ocular Hypertension

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Reviewer: luis pablo

Reviewer's report:

Dr Cellini et al wrote a manuscript in order to analyze and compare the sensitivity and specificity of OCT, PERG and FDT to detect early glaucomatous damage in ocular hypertensives.

This is an interesting idea; nevertheless I have some concerns about this paper:

1. In the abstract section the authors wrote “normal optic disk and normal parametric indices”, I assume is a mistake and should say “normal perimetric indices”, yet there is no indication throughout the text of what parameters they used to consider a field as normal. This is a major issue in this paper, the OH group was composed only by OH without any perimetric defect?

2. In the tables the authors only offer information about means, SDs and statistical significances. Sometimes this information could provide a bias due to the lack of ranges, maximums and minimums. Also I miss a multivariate test for the statistical analysis.

3. Conclusions stated that PERG is a useful technique although in this study ROC curves showed values close to 0.5.

In my opinion this paper could be a valuable contribution due to the subject and the size of the sample studied, nevertheless as I explain in the comments to the authors I think that there are major methodological questions the authors should clarify before the article is ready to be published.

Level of interest: An article of limited interest

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

I declare that I have no competing interests