Reviewer’s report

Title: Influence of automated visual field testing on intraocular pressure

Version: 1 Date: 23 Jul 2020

Reviewer's report:

This study is valuable because it is simple but has very important implications for ophthalmic clinical practice. The possibility of an increase in intraocular pressure after visual field testing in relation to time and age is interesting and worthy of presentation.

1 VF testing was required to be reliable, with less than 20% fixation loss and less than 33% false positives or false negatives.

The reader would think that the reliability of VF and the IOP values before and after VF are independent. If this is an inclusion criterion that takes into account confounding factors such as visual field test stress, as described in the Discussion, then it should be stated.

2 The reason for the change in IOP of 2 mm Hg should be stated.

3 Related to 2, the measurement error of NCT should be described.

4 Intraocular pressure is a highly variable value, and it is difficult to get at the truth from a single measurement. It should at least be described as a limitation.

5 There are many methods of visual field testing. Were there any differences between the methods of testing?

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Is the study design appropriate to answer the research question (including the use of appropriate controls), and are the conclusions supported by the evidence presented?

Yes

Are the methods sufficiently described to allow the study to be repeated?

Yes

Is the use of statistics and treatment of uncertainties appropriate?

Yes

Is the presentation of the work clear?

Yes

Are the images in this manuscript (including electrophoretic gels and blots) free from apparent manipulation?

Yes