Reviewer's report

Title: Repeatability of Intraocular Pressure Measurements with Icare Pro Rebound, Tono-Pen AVIA and Goldmann Tonometers in sitting and reclining positions

Version: 1 Date: 21 February 2013

Reviewer: JAYTER PAULA

Reviewer's report:

Major Compulsory Revisions

The study "Repeatability of Intraocular Pressure Measurements with Icare Pro Rebound, Tono-Pen AVIA and Goldmann Tonometers in sitting and reclining positions" was revised appropriately. The authors compared repeatability between Goldmann tonometer (GAT), Icare Pro and Tono-Pen AVIA readings. Comparisons between those devices were previously reported, since at least 2010, however repeatability among them was not specifically studied before.

However, two major flaws should be addressed: stylistic construction of the text and sample size calculation. For instance, considering the parameters presented for the sample size calculation and a commonly used standard deviation for IOP (of 2.0), at least 220 subjects would be necessary.

Moreover, I suggest that only the essential Bland-Altman plots should be presented, once tables are quite explicative.

Level of interest: An article of limited interest

Quality of written English: Needs some language corrections before being published

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

Declaration of competing interests:

I declare that I have no competing interests.