**Reviewer’s report**

**Title:** Changes in ocular biometric measurements after vitrectomy with silicone oil tamponade for rhegmatogenous retinal detachment repair

**Version:** 0  **Date:** 09 Apr 2020

**Reviewer:** Kamal Solaiman

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This retrospective self-control study on 63 phakic macula-off RRD eyes was conducted to compare the ocular biometric changes before and after vitrectomy with silicone oil tamponade. In the abstract section, the authors concluded "There are prolongation of AL and ....". In the Discussion section Page 8, Lines 23-25, they mentioned ".... measurement error of AL is the major cause of postoperative myopic shift". By the end of the Discussion section they concluded the change in AL as underestimation !!. As a reader, I was confused because the three terms (prolongation, measurement error and underestimation) are not the same.

Measuring the ocular biometric values should be performed at fixed time points after surgery e.g. 1 week, 1 month, 3 months and after silicone oil removal. This will allow more accurate assessment of the changes and whether these changes were temporary or permanent. Also, this could detect whether these changes were mainly related to presence of silicone oil inside the eye or to the surgery itself. It is also difficult to assess accurately the degree of postoperative myopic shift in silicone oil - filled eyes.

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