Reviewer’s report

Title: Journal Title The long-term outcome of trabeculotomy: comparison with filtering surgery in Japan

Version: 0 Date: 09 Jan 2019

Reviewer: Sarah Atkinson

Reviewer’s report:

This is an interesting paper and provides information on the long-term effects of trabeculectomy and trabeculotomy. Included below are some corrections/points of discussion for consideration:

Introduction:

* Introduction is mainly about trabeculotomy, as this is a comparison of 2 techniques, it would be worth including information on the other technique

* Introduction is quite brief could be used to further explore the area to better set the scene for the study

* More of a connection between MIGS and how it relates to the two surgeries is needed within the introduction

Methods:

* Why was written informed consent not applicable? It might be worth stating the reason within the manuscript

* Would images/diagrams of the surgeries be useful alongside the description?

* Reference needed for 'occurrence of postoperative IOP fluctuations is well known'

* Need to state in methods and or results what the authors consider to be statistically significant ie. p<0.05

Results:

* Within the title for table 3 ():% would be more appropriate placed within the legend

* A description of the complications shown in table 3 would be useful within the results section
* Figure 2 - consider how statistical significance is indicated within figure, as currently it is unclear which time points are significant

* There seem to be more early complications with trabeculotomy and more late complications with trabeculectomy - possible reasons for this could be provided within the results/discussion section

* Are any of the postoperative complications seen in the same person or are all complications viewed in different individuals?

Discussion:

* GATT abbreviation needs to be explained within discussion

* Perhaps some discussion of the novel approach this study takes compared to already published work could be included within the discussion

* The authors could comment on whether the experience of the surgeon should be taken into account for both these techniques and their long-term success within this section

**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.

Unable to assess

**Are the conclusions drawn adequately supported by the data shown?**
If not, please explain in your comments to the authors.

Yes

**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 recommend additional statistical review

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