Reviewer’s report

Title: Experimental Research on the Relationship between the Stiffness and the Expressions of Fibronectin Proteins and Adaptor Proteins of Rat Trabecular Meshwork Cells

Version: 1 Date: 14 Sep 2017

Reviewer: Sergio Saccà

Reviewer's report:

On page 4 after the phrase added in this latest version, at line 18, I would add this sentence: rather I would add that The trabecular meshwork consists of endothelial cells immersed in their fundamental substance. These cells have different characteristics. The most notable characteristic is that these cells can change their shape for their cytoskeleton, and changing their shape changes their gene expression (Saccà, S. C., Gandolfi, S., Bagnis, A., Manni, G., Damonte, G., & Traverso, C. E. The outflow pathway: a tissue with morphological and functional unity. Journal of Cellular Physiology. 2016; 231(9), 1876. ).

On page 12 at line 34 I would add the following sentence: the mechanisms responsible for the aqueous humor that increases during glaucoma are different affecting the trabecular cells and inducing an IOP increase, in particular:

These two sentences best explain the pathophysiological significance of what they found.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.
Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.
Yes

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

**Quality of written English**

Please indicate the quality of language in the manuscript:

Acceptable

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