Reviewer’s report

Title: Development and Validation of a Questionnaire assessing the Quality of Life impact of Colour Blindness (CBQoL)

Version: 0 Date: 14 May 2017

Reviewer: Ilana B. Friedman

Reviewer’s report:

I congratulate the authors on their manuscript. The premise of developing the measure is of interest to the readers of the journal and given that there has never been a measure developed before could be of great benefit to patients and ophthalmologist alike. There are numerous questions and concerns that are raised on diagnosing a patient with color blindness and raising awareness of the issue that may be corrected without undue hardship in the workplace and educational system may have great value.

As mentioned in the paper, there was a possible selection bias of the CB individuals and the controls based on the recruitment methods, but this may be an area of further study now that the measure has been validated, to assess whether the conclusions drawn but this initial paper remain valid in a more controlled sample environment.

The statistics are relatively dense and may be hard for the lay reader to grasp which is the reason for the recommendation that they be reviewed to ensure their validity.

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

**Declaration of competing interests**
Please complete a declaration of competing interests, considering the following questions:

1. Have you in the past five years received reimbursements, fees, funding, or salary from an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

2. Do you hold any stocks or shares in an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

3. Do you hold or are you currently applying for any patents relating to the content of the manuscript?

4. Have you received reimbursements, fees, funding, or salary from an organization that holds or has applied for patents relating to the content of the manuscript?

5. Do you have any other financial competing interests?

6. Do you have any non-financial competing interests in relation to this paper?

If you can answer no to all of the above, write 'I declare that I have no competing interests' below. If your reply is yes to any, please give details below.

I declare I have no competing interests.

I agree to the open peer review policy of the journal. I understand that my name will be included on my report to the authors and, if the manuscript is accepted for publication, my named report including any attachments I upload will be posted on the website along with the authors' responses. I agree for my report to be made available under an Open Access Creative Commons CC-BY license ([http://creativecommons.org/licenses/by/4.0/](http://creativecommons.org/licenses/by/4.0/)). I understand that any comments which I do not wish to be included in my named report can be included as confidential comments to the editors, which will not be published.

I agree to the open peer review policy of the journal