Reviewer’s report

Title: Correlation and predictability of ocular aberrations and the visual outcome after quadrifocal intraocular lens implantation: a retrospective longitudinal study

Version: 0 Date: 02 Jun 2019

Reviewer: Enrico Martini

Reviewer's report:

In the text are reported a number of complaints by the patients but no correlation of these symptoms was assessed with pre- or post-operative aberrometry results.

The correlation between preoperative angle alpha and SA and post-op visual acuity was predictable and the correlation between post-op aberrations and visual acuity seems to have no relation with patient subjective satisfaction and so doesn't seem to be a very useful information. Even if there is a quite good overall refractive results no comment is given about the refractive results, aberrations and patient satisfaction.

The ROC curves are poorly understandable so the only useful information is the negative effect of a large angle alpha preoperatively probably due to poor contraption of the IOL on the visual axis and this was really predictable.

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:

Not suitable for publication unless extensively edited

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