Reviewer’s report

Title: Evaluation of eye-related parameters and adverse events of rigid gas permeable contact lens and spectacles correction in infants with monocular aphakia after congenital cataract surgery: a retrospective clinical study

Version: 0 Date: 12 Nov 2018

Reviewer: Daniela Cioplean

Reviewer’s report:

Dear Authors,

Thank your for approaching such an interesting and challenging topic.

I would like to make some comments.

Despite the fact that contact lens correction in monolateral aphakia offers a better vision, less aniseiconia and probably a much higher quality vision than the spectacle lenses explaining better VA in the first group, your article is not very convincing because of small number of cases: twice more cases with RGPCL than glasses cases, the high rate of drop out in both groups.

In my opinion, compliance is very important in all groups and it is difficult to explain why no improvement was observed in children with glasses correction and good compliance.

Also, your patching algorithm seems to be not very realistic: 2 hours X patients age (in months) up to 12 months: meaning 22 hours of patching in a 11 month old child? Is it possible considering the child sleeps at least 10-12 hours by day at that age? What's the reason of patching 3 hours by day afterwords and to increase the patching time after 2 years as long younger age means better recovery...The patching time should be correlated with the time when the child is awake.

The statistics seem to not support very well your conclusion that "spectacles are not a valid alternative".

I would suggest to compare only children with good patching compliance in both groups and maybe to include more cases in your study. I would suggest also to compare the compliance to contact lenses to the spectacle compliance.

Finally, this a is a retrospective study extended on a large period of time, there are no specifications regarding the follow-up period (min/max).

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.

No

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

No

**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 am able to assess the statistics

**Quality of written English**
Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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