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: 1 Date: 13 Jan 2019

Reviewer: Daniela Cioplean

Reviewer’s report:

Dear Authors,

I'm sorry but despite the good intention and probably the good efficacy in using RGP CL in aphakic amblyopia, I would like to rise few more remarks. The median surgery age of patients is different and important even is not statistically significant (later surgery in group 3 which can explain a poorer response in this group considering that we talk about congenital cataract). My impression is there is a different period (chronological speaking) when the two groups, 1 and 3 were operated, the first one probably more recently with improved surgical techniques and better results and the third one, some years before explaining the longer follow-up and probably the surgery age, corectopia and the affected pupilary transparency in one case, the VA missing data at age 12 months in the group 3 and possible the late surgery. There are no mentions about preop cataract density before surgery, another important factor which influences the surgery outcome. In my opinion any optical correction is a valid option in such cases if accepted, if the surgery is appropriate and in time, if patching is recommended and the compliance is good. Of course, contact lenses are a superior option than spectacles considering the vision image quality, visual field, aniseiconia as your study shows but I think is to much to state that "spectacle correction" is an "invalid" one as long if contact lenses are not available, not accepted or produce complications, the spectacles are the solution. I encourage you to continue your work, I'm sure RGP CL are probably an ideal solution in unilateral aphakia, especially in Asian children who have particularities regarding the palpebral fissure size, lid tonus and shape, etc.

I think more moderation in your conclusion and a realistic analysis of the limits of your study will increase it's value and scientific content in order to have more chances to be published.

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?
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No
Are the conclusions drawn adequately supported by the data shown?  
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