Reviewer's report

Title: Progression of lower and higher-order aberrations: longitudinal study

Version: 2
Date: 7 October 2014
Reviewer: Preethi Thiagarajan

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Major Compulsory Revisions

1) Authors have used near work related questionnaire from Mutti et al for calculating nearwork magnitude. More details are necessary related to this information. Did both myopic and non-myopic group spent the same hours of near work? Any intermittent outdoor activities? Did they take breaks during near work? A detailed table tabulating the number of hours spent for various near activities is important.

2) There are few studies in the literature that tested effect of reading on ocular aberrations (e.g. Buehren et al., 2005, Vision Research). How do these studies relate to the present study?

3) Do authors have any pilot data on the effect of near work on aberrations immediately following the near task?

4) On page 11, line 231, authors state that there is an inverse correlation. However, from the Figures, it seems that the higher the refractive error, the larger the aberrations. How is this an inverse correlation?

5) Throughout the discussion section, authors talk about various other studies: myopia progression with nearwork, relation between higher-order & lower-order aberrations, temporal variations in aberrations, etc. However, authors have failed to discuss their relevance to the present study findings in detail. Discussion is less cohesive, lacking critical view, and less conclusive.

This paper needs a major revision.

Minor Essential Revisions

Throughout the paper, there are few grammatical errors and few spelling mistakes. I encourage authors to carefully read and correct them.

Level of interest: An article whose findings are important to those with closely related research interests
Quality of written English: Needs some language corrections before being published

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests