**Reviewer’s report**

**Title:** Different patterns of myopia prevalence and progression between internal migrant and local resident school children in Shanghai, China: A 2-year cohort study

**Version: 0 Date:** 24 Dec 2017

**Reviewer:** Yuanbo Liang

**Reviewer’s report:**

**Title**

"Chin" should be "China"

**Method**

1. "In 2000, two private primary schools... Baoshan District as the study sites." Here, referred to established the migrant school and selected; also the local school as control groups were selected? A little confused, please make clear.

2. "Our study chose the longitudinal research design, and followed the students for two years." Please clarify the exact time range (e.g. Jun 2015 to May 2015) for baseline and follow up.

3. "Considering the full length of primary schools in Shanghai (5 years or grades totally)" should be 5 years of grades?

4. why tropicamide "five times"? usually 3 times is enough

**Results**

1. The mean follow up time should be mentioned

2. "In the baseline analyses, after excluding those without written informed 221 consents and those who were incooperative with the examinations" were there any other ocular diseases excluded?

3. "7.42% for residents and 8.15% for migrants" had better provide a p value.

4. "significantly less than grade 2 (42.6%) (P=0.0828" not so accurate to say "significant" with a p value >0.05

5. "the prevalence increases significantly (p=0.0003 for grade 3 and p=0.0972 for grade 4)" not so accurate to say "significantly" with a p value >0.05
6. "we did a quick assessment on the average time spent on homework and outdoor activities per week among the participants in 2010". How the assessment was performed? by questionnaire? please clarify with details in Method part.

Discussion

The data from urban (Beijing) and rural (Handan) area of China reported a generational shift/progression of refractive error, which also suggesting the effect of environmental factors. These could be also discussed.


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.

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 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

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 that 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/). 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