Reviewer's report

Title: The Association between Oxidative Stress and Endothelial Dysfunction in Early Childhood Patients with Kawasaki Disease

Version: 0 Date: 05 Aug 2017

Reviewer: Yuqian Bao

Reviewer's report:

The number of results searching in PubMed by key words of "Children", "Kawasaki disease" and "oxidative stress" is only 17. The novelty of this study is therefore seemingly of interest. However, there are still some concerns as follow:

Major:

1. This study is reported to be a prospective study. However, a prospective study, loosely defined, is a study that starts in the present and continues forward in time. Actually, as was mentioned in the methods part, the inclusion time was from April 2015 to September 2016 whereas without any statement of the duration of the follow up time. No follow up data is detected in the study. It is also not clear whether the control group is concurrent to Group 1 and Group 2 or not. All the tables and figures in the manuscript seem to be the baseline data. In a word, the methodology is rather confusing and not designed in a prospective manner.

2. The case-controlled and cross-sectional study design cannot provide the causality between stress and premature atherosclerosis.

3. The purpose of checking CAL at 1, 3, 6, and 12 months should be clarified.

4. Totally 25 children with KD were included in Group 1 and Group 2. However, these children did not receive the same therapy. The influence of the different therapies should be discussed.

Minor:

Optimally, a native speaker should review the manuscript.
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.

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:

Not suitable for publication unless extensively edited

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