Reviewer’s report

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

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Reviewer: Po-Yuan Chang

Reviewer's report:

This study was aimed at investigating the association of oxidative stress and "premature atherosclerosis" in Kawasaki disease. The experimental design is rational but some major concerns are listed below.

1. What is the author's definition of "premature atherosclerosis"? How can the authors determine whether the coronary lesions in Kawasaki disease are atherosclerosis?

2. Coronary artery lesions (CAL) by echocardiography do not necessarily indicate coronary "atherosclerosis". What is the relationship between CAL and future development of coronary atherosclerosis? The title is somehow misleading and too presumptive.

3. Why is there no difference in FMD between Group 1 and Group 2 (table 2)?

4. The ROM has no difference in Group 1 and group 2 (Fig 1). Why? This result therefore does not support the "association ..." as read in the title.

5. How many study subjects received coronary arteriography? Is angiography a better way to demonstrate coronary atherosclerosis?

6. The case number in this study is too small for a clinical paper.
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:

Acceptable

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