Reviewer's report

Title: Differences in brachial and femoral artery responses to prolonged sitting

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Reviewer: Lorenza Pratali

Reviewer's report:

In this manuscript written by Thosar and coauthor investigate the effect of prolonged sitting on brachial artery and superficial artery function.

Major limitation:
- The topic is interesting in term clinical impact on risk of atherosclerosis but the number of subject enrolled is very small included only young male with history of moderate and vigorous physical activity, well defined in the text; so this could be one the limitations of this study: the present finding cannot be applied on general population.
- It's not clear why the authors haven’t measured the blood pressure during the study. This could be one other limitation in the methods. If the authors will consider a problem to measure the blood pressure for technical reason during the study this should be added in the methods section. But the measure of BP can help to clarify the possible mechanism leading to an impairment shear pattern in the brachial artery.
- The results are showed in table 2 but maybe can be better to present also a part of data using graphs.

Minor Limitations:
The manuscript present a lot of editing mistake starting from the abstract (Line 4 you have used FMD abbreviation before to specify).

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: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

I declare that I have no competing interests