

October 28, 2016

Dr. Fang-Fang Ji  
Science Editor, *World Journal of Cardiology*  
8226 Regency Drive  
Pleasanton, CA 94588  
USA

**Manuscript NO:** 28456

**Title:** Consumption of Energy Beverage is Associated with Attenuation of Arterial Endothelial Flow-mediated Dilatation

**Authors:** John P. Higgins et al.

Dear Professor Ji,

Thank you for the opportunity to revise our manuscript, *Consumption of Energy Beverage is Associated with Attenuation of Arterial Endothelial Flow-mediated Dilatation*. We appreciate the careful review and helpful suggestions. It is my belief that the manuscript is now substantially improved after making the suggested edits.

We have revised the manuscript based on the editor's and reviewers' comments. These revisions can be seen under Track Changes in the re-submitted manuscript. Following this letter are our responses (in italics) to the reviewers' and editor's comments.

I hope that the revised manuscript is accepted for publication. Thank you for your consideration.

Sincerely,

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**Reviewer #00367760**

1.) For further study or just a suggestion, it will be more related to clinical aspects if the EB is applied under stress condition because EB always consumed in various stress

*We agree with the reviewer and have added this to our discussion.*

**Reviewer #00225357**

1.) Due to the lack of a totally operator – independent measure software, the reproducibility of operators should be given. FMD is a too unreliable measure without a border detection system.

*We agree with the reviewer and have added this to our discussion.*

2.) 90 minutes may not be enough to restore FMD over time. Data would have been stronger if performed the day after baseline assessment. Please discuss

*We agree with the reviewer and have added this to our discussion.*

**Reviewer #00502781**

1.) The study should include water load control.

*We agree with the reviewer and have added this to our discussion.*

2.) The authors could have assessed whether energy drink consumption affects endothelial-independent flow-mediated vasodilation of the brachial artery.

*We agree with the reviewer and this is something to consider in future studies.*

3.) The authors observed that Monster Energy drink did not significantly affect SBP, DBP or HR. However, increases of SBP, DBP or HR after consumption of energy drinks have been reported (Worthley MI et al. Am J Med 2010;123:184-187; Grasser EK et al. Eur J Nutr 2014;53:1561-571; Grasser EK et al. Am J Cardiol 2015;115:183-189). This issue should be discussed.

*We agree with the reviewer and have added this to our discussion.*

4.) The authors could (shortly) explain the basis of the FMD method in the assessment of endothelial function.

*We agree with the reviewer and have added additional information in the comment section.*

5.) The authors could add the article by Molnar J, Somberg JC (Am J Cardiol 2015;116:1457-1460) to the list - PubMed does not recognize reference # 5.

*We agree with the reviewer and have added the article to the list.*

### **Editors Comments**

Thank you for bringing this to our attention. The following revisions have been made to the manuscript:

- 1.) The zip code has been added to the address.
- 2.) Sign PDFs for all statements have been added.
- 3.) Biostatistics statement has been added to Materials and Methods section.
- 4.) The audio core tip was edited for grammar, and then recorded.
- 5.) The reference numbers have been placed in square brackets in superscript.
- 6.) Comments section has been added.
- 7.) PubMed citation numbers and DOI citation were added to the reference list. All authors have been listed.
- 8.) The manuscript formatting has been edited to follow the guidelines.
- 9.) The misspelling of author Stephen C. Infanger's name has been corrected.
- 10.) Articles 16 and 17 have been added in the reference section.