Zhang and coworkers investigated the effects of Daming capsule on endothelial dysfunction induced by high fat diet. They followed a sequence of studies previously published by their group (Ai et al, BMC Complement Altern Med. 2010; Ai et al, Biol Pharm Bull. 2009; Jing et al, Phytother Res. 2009). The authors performed an elegant method and demonstrated that although DMC treatment during 30 days did not influence vascular contraction and relaxation, it was able to attenuate the effects of high fat diet on histological patterns and on eNOS protein. I have only minor comments, which are listed below:

1. Keywords: Please, consult keywords in the National Library of Medicine (http://www.nlm.nih.gov/mesh/MBrowser.html)
2. Abstract: The authors should include the objective of the manuscript in the Background.
3. Abstract, Method: The sentence “In this study, we tested the hypothesis that DMC would restore endothelial dysfunction produced by a HF diet. Importantly, we also investigated several mechanisms involved in mediating the effects of DMC on vascular reactivity such as the role of K+ channels and eNOS using appropriate inhibitors.” is more appropriate in the Background.
4. Method: Why the authors did not investigate iNOS by Western blot?
5. Results, Figure 4D: The figures 4A, 4B and 4C are good. I suggest the authors to change this figure for a better one.
6. Discussion, 1st paragraph: Please, check this sentence: “The principal finding of this study was that DMC could protect the aorta from HF-induced endothelial dysfunction via upregulating the eNOS expression.” Although the authors showed a protective effect of DMC on histological and Western blot analysis, there was no functional effect when vascular reactivity was tested during contraction and relaxation. Thus, I suggest the authors to be careful in this assumption, it would be better to affirm that “DMC could partially protect the aorta from HF-induced endothelial”. 
7. Discussion: Maybe DMC treatment for a longer period would present an effect with more intensity in vascular reactivity. This hypothesis could be raised. Furthermore, peripheric arteries could present a different effect, such as the tail artery.
8. Discussion: The authors could propose future studies to investigate DMC effects on arterial pressure, heart rate, cardiac autonomic regulation and reactive
oxygen species.


**Level of interest:** An article of outstanding merit and interest in its field

**Quality of written English:** Needs some language corrections before being published

**Statistical review:** Yes, but I do not feel adequately qualified to assess the statistics.

**Declaration of competing interests:**

I declare that I have no competing interests.