Reviewer’s report

**Title:** Immunomodulatory Effects of a Mycelium Extract of Cordyceps (Paecilomyces hepialii; CBG-CS-2): A Randomized and Double-Blind Clinical Trial

**Version:** 1  **Date:** 01 Jul 2018

**Reviewer:** Meysam Shirzad

**Reviewer's report:**

The subject is novel and the study is well designed. However, there are some mistakes should be corrected as following:

1- Exclusion criteria are the ones excluded during the study not to confound the results. Most of exclusion criteria mentioned in the article are in fact inclusion criteria because of which the case has not been included in the study; e.g. BMI less than 18.5 kg/m2 at the time of the screening test.

2- It is mentioned in page 4: "Participants who had a "gastroesophageal reflux disease", such as Crohn's disease, affecting the absorption of the test product…". It should be changed to gastrointestinal disease or any other relevant phrase.

3- In Table 3, where does "* p<0.058" in the bottom of the table refer to?

**Are the methods appropriate and well described?**
If not, please specify what is required in your comments to the authors.

Yes

**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.

Yes

**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:

Needs some language corrections before being published

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