Reviewer’s report

**Title:** The Effect of Vitamin D Supplementation on Hemoglobin Concentration: A Systematic review and Meta-analysis

**Version:** 1  **Date:** 18 Oct 2019

**Reviewer:** Abdulbari Bener

**Reviewer's report:**

Overall, the current study addresses non-conclusivel but very serious issue concerning major public health problem. The study based on convenient available retrospective data. This study is well written but not well designed.

1. The authors should provide key points and the contribution of current study to literature and what messages are provided with the present study?

Thank you very much for your comments. Amendments are done and provided in the main file, please refer to line 292-300.

According to previous studies, the relationship between vitamin D effects and hemoglobin levels are still controversial. Therefore, we decided to assess these results in a comprehensive meta-analysis for further clarification as required in future research.

2. Limitations: The authors not reported the key limitations of this study, I think the major concern of this submission is it lacks sufficient novelty, as many of such similar reports were seen published in previous literature.

Limitations are discussed in the main file, please refer to line 286. Previous studies have examined small sample sizes and they have assessed these factors only in healthy subjects (4). Whereas, in the present study, all healthy adults and anemic patients, chronic kidney disease patients, heart failure patients, hypertensive patients, critically ill patients and athletes were included. Also, different types and doses of vitamin D supplementation were assessed.

**Level of interest**

Please indicate how interesting you found the manuscript:

An article whose findings are important to those with closely related research interests

**Quality of written English**

Please indicate the quality of language in the manuscript:

Acceptable
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