Reviewer’s report

Title: Vitamin-D2 treatment-associated decrease in 25(OH)D3 level is a reciprocal phenomenon: a randomized controlled trial

Version: 0 Date: 14 Aug 2018

Reviewer: Reviewer 2

Reviewer's report:

PEER REVIEWER COMMENTS: To view the full report from the academic peer reviewer, please see the attached file.

REVIEWER COMMENTS FROM REPORT: The manuscript reports a randomized clinical trial on the effect of vitamin D3 treatment on the 25(OH)D2 level and vice versa. The objectives of the study are clear, however there are few issues with the selection criteria of study subjects and with the presentation of the result, which should be revised/clarified.

REQUESTED REVISIONS:
I have mentioned specific comments on these issues below.

ADDITIONAL REQUESTS/SUGGESTIONS:
1. What was the basis of selecting study subjects with total 25(OH)D levels within a specific range? Why not only vitamin D deficient subjects were included in the study?

2. Why were two different ranges of total 25(OH)D level used to select study subjects for study 1 as mentioned in line 28, Page 5 of the manuscript? Are these specific 25(OH)D levels used in two separate studies (study 1 and study 2)? If so, why were different ranges of 25(OH)D levels used to select subjects for study 1 and 2?

3. What measures were adopted to avoid bias arising due to the effect of sun-exposure on 25(OH)D levels in the present study?

4. Considering the moderate correlation between absolute changes in 25(OH)D3 and 25(OH)D2 levels at day-28 and no correlation at day 56 in study 2, the statement regarding correlation between changes in 25(OH)D2 and 25(OH)D3 levels seems strong.

5. The manuscript should be revised for english grammar and spelling errors.
Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

No

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

No

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

No

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.

Not relevant to this manuscript

Quality of written English
Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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