Reviewer’s report

Title: Serum 25-Hydroxyvitamin D were associated with higher risk of both albuminuria and impaired GFR incidence : a cohort study based on CLHLS study

Version: 1 Date: 29 Oct 2018

Reviewer: Reviewer 2

Reviewer's report:

PEER REVIEWER ASSESSMENTS:

OBJECTIVE - Full research articles: is there a clear objective that addresses a testable research question(s) (brief or other article types: is there a clear objective)?

Yes - there is a clear objective

DESIGN - Is the current approach (including controls and analysis protocols) appropriate for the objective?

Yes - the approach is appropriate

EXECUTION - Are the experiments and analyses performed with technical rigor to allow confidence in the results?

Yes - experiments and analyses were performed appropriately

INTERPRETATION - Is the current interpretation/discussion of the results reasonable and not overstated?

Yes - the author's interpretation is reasonable

OVERALL MANUSCRIPT POTENTIAL - Could an appropriately REVISED version of this work represent a technically sound contribution?

Probably - with minor revisions

PEER REVIEWER COMMENTS:

GENERAL COMMENTS: Overall, i think this is a well conducted study with an interesting research question. My overarching comments would be that there was a large proportion of participants without biomedical measurements (76%). Why was there so much missing data? Were biomedical tests only done on a subset of the sample? Seems a very select sample otherwise, which would introduce significant selection bias - which i acknowledge you have attempted to address in Appendix Table 1. I just think its important to know WHY so many
people are missing data. I would also like to see a little bit more information about the CLSHL study in the methods, i.e. how were participants recruited? What is 'elderly'? Were they recruited from general population, or from hospitals/nursing homes etc. I also would like to see a marker of socioeconomic status in the cox models, e.g. education or income.

Note: This reviewer report can be downloaded - see attached pdf file.

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.

Not relevant to this manuscript

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

Acceptable

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