**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:** 14 Oct 2018

**Reviewer:** Stefan Jacobson

**Reviewer's report:**

This seems to be a revised ms that has been evaluated before (response June 2018) by other reviewers than me (?) but I will make some additional suggestions, since I'm not aware of the comments of the first reviewers.

In this well conducted longitudinal study Liu M and coworkers examined the relationship between 25OH vitamin D and CKD incidence in elderly patients in the Chinese Longitudinal Healthy Longevity Survey using Cox proportional risk models.

**COMMENTS:**

The prevalence of vitamin D deficiency in the general population is considerable and varies by gender, season of the year, sunlight exposure and a number of other environmental factors and comorbidities. This should be more accurately stated in the Introduction and Discussion.

1. There are several misspellings. NK-KB (page 10) is not explained. The ms still needs linguistic improvement.

2. In what season and which regions of China were samples collected? Differences between southern and northern regions? It is possible to adjust 25(OH) D for seasonal variation (McKibben RA et al, J Clin Endocrinol Metab. 2016 Jan; 101(1): 33-43).

3. Was PTH and phosphate measured in this survey? Circulating 25 OH vitamin D play an important role in PTH regulation and they are strongly associated to each other. In addition both regulate phosphate homeostasis and all these interact in a complex manner in the development and progression of kidney disease. This should be mentioned in the Discussion.

3. Treatment with vitamin D and intake of nutrients containing vitamin D over time and the impact this may have on results was not mentioned and discussed.

4. Confounding unmeasured factors may still influence the results and should be emphasized.

**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.

Unable to assess

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?
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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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