Reviewer's report

Title: Interaction between Anaemia and Hypertension on Chronic Kidney Disease: A Survey for Patients with Hypertension and Diabetes Mellitus in Taiwan

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Reviewer: Chia-Ter Chao

Reviewer's report:

Dr. Su and colleagues performed a large-scale study focusing on the effect of several literature-derived chronic kidney disease (CKD)-associated factors on CKD. Their main findings were that anemia was more strongly associated with CKD in patients with hypertension, while hyperlipidemia was associated with CKD in patients without hypertension but not in those with. This study represented an interesting attempt in CKD study, especially in Taiwan. I have the following comment:

Major compulsory revisions:

Overall
1. English editing by relevant service or English-speaking colleagues might be needed in order to improve the manuscript flow and wordings. Also, too many abbreviations were used in the abstract, and some were not spelled fully during their first mention.

Introduction section
1. The authors should state their study objective more clearly. The first paragraph could be shortened and re-organized, that is, to focus more on their study intent instead of making general assumptions.

Method section
1. The authors might have to provide explanation for excluding patients with cancer and those from smaller institutes.
2. The definitions of several variables need more clarification. For example, smokers with less than 100 cigarettes consumed previously were classified as never-smokers? So did alcohol consumption history. Could the authors use the same definitions like the ones in betel nuts/exercise variable? The ascertainment of different comorbidities based upon questionnaires could suffer from recall bias. Some aid from the patients' concurrent medications could be utilized as a hint.
3. The rationale described in statistical analyses about not focusing on hypertension and diabetes mellitus as CKD-associated factors needed more elaboration and clarification.

Minor essential revisions:
1. The link to website “OpenEpi” in Method section did not work. The authors might have to provide other resources.

**Level of interest:** An article whose findings are important to those with closely related research interests

**Quality of written English:** Needs some language corrections before being published

**Statistical review:** Yes, but I do not feel adequately qualified to assess the statistics.

**Declaration of competing interests:**

I declare that I have no competing interests.