Reviewer’s report

Title: Association of diabetic kidney disease with cardiovascular and non-cardiovascular outcomes: A retrospective cohort study

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Reviewer: Yunfei Liao

Reviewer's report:

This is a retrospective cohort study. The authors clarified the association of diabetic kidney disease with cardiovascular and non-cardiovascular outcomes. The study is well designed and the results are clearly shown, however, I have some questions to be answered.

1. Cardiovascular (CV) complications are the leading cause of morbidity and mortality in patients with diabetes. The additive CV hazard between diabetes and diabetic kidney disease (CKD) has been shown in several settings. Among medically treated patients with diabetes undergoing percutaneous coronary intervention (PCI), the presence of CKD has been associated with a significantly higher in-hospital and 1-year mortality rate. Some studies have shown that both diabetes and CKD are risk factors for the development of atrial fibrillation and are associated with an increased risk of stroke. What is the differences between your study and other research?

2. In this study, there is a close relationship between CV and CKD in diabetic patients. What do you think which is the cause and which is the result?

3. There are many diabetic patients combined with other kidney diseases (such as chronic glomerulonephritis, hypertensive nephropathy), not diabetic nephropathy. How to define diabetic nephropathy instead of other chronic kidney disease? How to eliminate these confounding factors?

4. Noncardiovascular outcomes of diabetes refer to a series of diseases, including infection, DKA, Diabetic neuropathy, et al. Why this article only study infection?

5. The age of onset and course of disease are very important risk factors of diabetic complications. Correlation analysis should be performed. The impact of these two factors should be ruled out in statistical analysis.

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.

I recommend additional statistical review

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

Needs some language corrections before being published

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