Peer Review Report

Review Report on Deficiencies in the Recognition and Reporting of Chronic Kidney Disease in Patients with Type 2 Diabetes Mellitus; A Hungarian nationwide analysis

Original Article, Int J Public Health

Reviewer: Xuemei Wang
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EVALUATION

Q 1   Please summarize the main findings of the study.

The study conducted a retrospective cross-sectional study of patients with chronic kidney disease in type 2 DM diabetes in Hungary between 2016 and 2020 to assess the incidence rate and prevalence of T2DM related CKD. The main purpose of this study is to show that residents have insufficient knowledge and/or report on CKD by comparing the incidence rate and prevalence of T2DM related CKD in Hungary from 2016 to 2020.

Q 2   Please highlight the limitations and strengths.

This study is meaningful for this field. The annual incidence rate and prevalence of registered CKD in T2DM patients of different age groups were observed and compared, suggesting under-recognition and/or under-reporting of CKD. . However, the significance and purpose of this study are not clear, and the scientific issues that this study can solve have not been clearly identified. Therefore, the author should carefully consider whether the conclusion of this study is appropriate. Finally, some details regarding statistical methods and result descriptions still need to be further revised and polished.

Q 3   Please provide your detailed review report to the authors. The editors prefer to receive your review structured in major and minor comments. Please consider in your review the methods (statistical methods valid and correctly applied (e.g. sample size, choice of test), is the study replicable based on the method description?), results, data interpretation and references. If there are any objective errors, or if the conclusions are not supported, you should detail your concerns.

Comments to the Author:
1.ABSTRACT
Point 1:In the methodology section of the abstract, it is recommended to provide additional explanations on the statistical methods used. Please check it.

Point 2: In the conclusion section of the abstract, this study did not have sufficient results to indicate this conclusion. Please check it.

Point 3: In the keyword section of the abstract, it is recommended to add the keyword "Hungary". Please check it.

INTRODUCTION
Point 1:It is suggested to supplement the prevalence of CKD patients in type 2 DM diabetes in Hungary. Please check it.

Point 2: Suggest providing a detailed explanation of the purpose of this study and specific issues to be addressed. Please check it.

2.METHODS

Point 1: It is suggested to supplement the definition of disease, such as CKD patients in type 2 DM diabetes. Please check it.

Point 2: Suggest re summarizing and organizing the inclusion and exclusion criteria in this study.Please check it.

3.RESULTS
Point 1: The outcome indicators in this study are incidence rate and prevalence. Figures 2 and 3 in the results are expressed in the number of patients. please check it.

Point 2: The data mentioned in the results is not displayed (162 lines, 165 lines, 204 lines, etc.), do not describe the results in the results section without clear results. please check it.
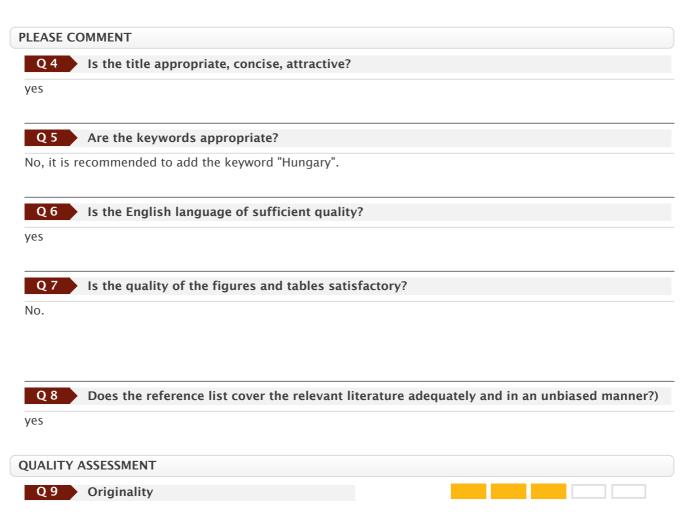
Point 3: 34.1% and 36.1% of rows 177, as well as 64.4% of rows 189, are not shown in the figures and tables. It is recommended to provide additional information on the source of this data result. please check it.

Point 4: Please check if the prevalence rate of CKD in women in 2020, line 187, is 56% correct.

Point 5: The prevalence rate of CKD patients with different gender distributions (lines 200–204) is not shown in a graph or table. If there are any such results, please supplement them, otherwise do not describe them in the results section. please check it.

4.DISCUSSION
Point 1: Discussion The main results of this study should be mainly discussed, and the incidence rate or the reasons for the change of prevalence should be compared with the domestic and foreign studies. please check it.

PLEASE COMMENT

Q 4 **Is the title appropriate, concise, attractive?**

yes

Q 5 **Are the keywords appropriate?**

No, it is recommended to add the keyword "Hungary".

Q 6 **Is the English language of sufficient quality?**

yes

Q 7 **Is the quality of the figures and tables satisfactory?**

No.

Q 8 **Does the reference list cover the relevant literature adequately and in an unbiased manner?)**

yes

QUALITY ASSESSMENT

Q 9 **Originality**

Q 10 Rigor

Q 11 Significance to the field

Q 12 Interest to a general audience

Q 13 Quality of the writing

Q 14 Overall scientific quality of the study

REVISION LEVEL

Q 15 Please make a recommendation based on your comments:

Major revisions.