

PEER-REVIEW REPORT

Name of journal: *World Journal of Diabetes*

Manuscript NO: 86502

Title: Multifaceted relationship between diabetes and kidney diseases: Beyond diabetes

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05872767

Position: Peer Reviewer

Academic degree: PhD

Professional title: Attending Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: Italy

Manuscript submission date: 2023-06-21

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-06-29 04:40

Reviewer performed review: 2023-07-09 08:40

Review time: 10 Days and 3 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The present manuscript reviewed the complex and multifaceted correlation between diabetes and kidney diseases, focusing on the clinical presentation, differential diagnosis, and new therapeutic opportunities. This review concentrated on not only the diabetic kidney disease, but also other forms of kidney disease that are not directly correlated with diabetes. This review showed extended concentration on kidney disease in diabetes, which could attract interests to some extent. However, there are still some concerns or confusions before publication can be considered. 1. In the part of "WHAT ARE THE CAUSES OF CHRONIC KIDNEY DISEASE IN DIABETIC PATIENTS?", I supposed that the pathogenesis should be fully discussed. However, in the part of "Diabetic kidney disease", the natural course, the relationship between symptoms and albuminuria were discussed whereas the "oxidative stress" was absent. I suggested that "glomerular hemodynamics, inflammatory responses and oxidative stress" should be fully discussed in this part and in right sequence. In the part of "Nondiabetic kidney disease", the epidemiology took up a lot of paragraphs. Therefore, I suggested this part ("WHAT ARE THE CAUSES OF CHRONIC KIDNEY DISEASE IN DIABETIC PATIENTS?") need



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re-arrangement, combing and summarizing the pathogenesis logically. And the natural course or epidemiology should be discussed in separate parts. 2. The part of “WHAT ELEMENTS MAY GUIDE DIFFERENTIAL DIAGNOSIS BETWEEN DKD AND NDKD?” also need re-arrangement with a sequence from non-invasive indexes to renal biopsy. And “HOW” to use these indexes to distinguish the diagnosis between DKD and NKDK should be discussed. 3. The title of “MAY DIABETES REPRESENT A COMPLICATION OF KIDNEY DISEASES?” was suggested to be revised to better match what has been discussed below. 4. In the part of “MAY ANTIDIABETIC DRUGS INFLUENCE THE COURSE OF KIDNEY DISEASES? THE EXAMPLE OF SGLT2 INHIBITION”, the effects of other antidiabetic drugs (metformin, GLP-1RA) would better to be discussed. 5. CONCLUSIONS would better to be simplified.

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Reviewer's code: 05820886

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Turkey

Author's Country/Territory: Italy

Manuscript submission date: 2023-06-21

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-07-18 10:46

Reviewer performed review: 2023-07-18 11:00

Review time: 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
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Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Thank you for the effort that you have put into this paper. The paper underlines novel approaches differentiating DKD from NDKD, and the interplay between DM and kidney disease. I have no remarks, paper can be accepted.

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Peer-review model: Single blind

Reviewer's code: 05046795

Position: Peer Reviewer

Academic degree: PhD

Professional title: Research Assistant Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Italy

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Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-07-13 03:15

Reviewer performed review: 2023-07-21 01:50

Review time: 7 Days and 22 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
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SPECIFIC COMMENTS TO AUTHORS

I have some concerns about this review: 1. Any different therapeutic strategy between DKD VS NDKD? 2. Whether DM exacerbate NDKD? 3. In different race, gender, age stage, does DKD have any prefer?