

PEER-REVIEW REPORT

Name of journal: *World Journal of Diabetes*

Manuscript NO: 87873

Title: MicroRNA-630 alleviates inflammatory reactions in rats with diabetic kidney disease by targeting toll-like receptor 4

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05224683

Position: Peer Reviewer

Academic degree: DSc, MSc

Professional title: Postdoc, Postdoctoral Fellow, Research Scientist, Senior Scientist

Reviewer's Country/Territory: Bangladesh

Author's Country/Territory: China

Manuscript submission date: 2023-08-31

Reviewer chosen by: Yu-Lu Chen

Reviewer accepted review: 2023-10-17 08:58

Reviewer performed review: 2023-10-17 09:01

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 Grade E: Do not publish
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 checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation



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Scientific significance of the conclusion in 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 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 checked="" type="checkbox"/> Accept (General priority) <input 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

Thanks for nice article.

PEER-REVIEW REPORT

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Manuscript NO: 87873

Title: MicroRNA-630 alleviates inflammatory reactions in rats with diabetic kidney disease by targeting toll-like receptor 4

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05914645

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Netherlands

Author's Country/Territory: China

Manuscript submission date: 2023-08-31

Reviewer chosen by: Yu-Lu Chen

Reviewer accepted review: 2023-12-13 07:34

Reviewer performed review: 2023-12-22 09:30

Review time: 9 Days and 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
Novelty of this manuscript	<input checked="" type="checkbox"/> Grade A: Excellent <input 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 checked="" type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	<input checked="" type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input 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
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	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

1 The title reflects the hypothesis of the manuscript. 2 The abstract summarizes and reflects the work (just the 1st and 2nd sentence under methods are saying absolutely the same thing and in the sentence after the second sentence there is lack of clarity which has not been clarified in the main manuscript). 3 The key words reflect the focus of the manuscript. 4 The manuscript describes the background present state and importance of this study. (a correction in the second sentence of introduction- while GFR declines in DKD, albuminuria progresses- in contrast to decline as stated by the authors) 5 The methods are described in adequate detail (I just have a minor detail I need clarification as mentioned under the abstract. 6 Results. The research objectives are achieved by the results of this experiment. The results established a clear link between microRNA-680 and inflammatory markers and interstitial fibrosis associated with DKD. The results show that microRNA-630 could be a potential biomarker for DKD and potentially a therapeutic target. 7 The manuscript interprets the results adequately and appropriately and their discussion is very relevant to clinical practice. 8 The illustrations and tables are good and describe the results clearly perhaps a timeline would have addressed the



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question I raised about about the lack of clarity of the third sentence in the methods under methods of abstract. 9 The manuscript meets the biostatistic requirements, 10 The manuscript meets the requirements of SI unit 11 References are good. 12 The manuscript is well presented, concise and coherentl. 13 Authors prepared manuscript to Arrive standards (no document seen though). 14 Ethics statements.I cant find the ethical statement for animals, but since grants were given I suppose it id available but author have not provided could the author please provide, The study is a very important one providing insights molecular markers that may influence the developement and progression of DKD to ESRD and potentially introduces a clinical marker and potential therapeutic target, My specific comment were already addressed under the points. I would attach a document where these areas are highlighted,