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PEER-REVIEW REPORT

Name of journal: *World Journal of Diabetes*

Manuscript NO: 88921

Title: Genotype-based precision nutrition strategies for the prediction and clinical management of type 2 diabetes mellitus

Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03064668
Position: Peer Reviewer
Academic degree: N/A
Professional title: N/A
Reviewer's Country/Territory: China
Author's Country/Territory: Mexico

Manuscript submission date: 2023-10-14

Reviewer chosen by: Yu-Lu Chen

Reviewer accepted review: 2023-11-06 00:19

Reviewer performed review: 2023-11-13 01:48

Review time: 7 Days and 1 Hour

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Novelty of this manuscript	[ ] Grade A: Excellent [ ] Grade B: Good [Y] Grade C: Fair [ ] Grade D: No novelty
Creativity or innovation of this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No creativity or innovation

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

SPECIFIC COMMENTS TO AUTHORS

This review covers the potential interactions between genetic polymorphisms and dietary factors concerning T2DM susceptibility and disease progression. These insights may help to explain heterogeneity in predisposition to T2DM and the development of related systemic complications, with relevance in disease stratification and precision nutrition through the study of the human genome. 1. The section of introduction overlaps too much with the section of abstract, is logically consistent, and does not provide an elaborate introduction to the relevant content, thus defeating the purpose of the introductory section. The logic of the section of introduction needs to be reorganized. 2. Where important points are made, they should be supported by multiple pieces of literature，As in reference 5. 3. T2DM being a widely familiar term, it is not necessary to present its full name several times in the text. 4. Predictive models predicting the relationship between T2DM and diet or genes should ideally be given in the review.

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Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 02459759
Position: Associate Editor
Academic degree: MD
Professional title: Professor
Reviewer's Country/Territory: China
Author's Country/Territory: Mexico

Manuscript submission date: 2023-10-14

Reviewer chosen by: Yu-Lu Chen

Reviewer accepted review: 2023-11-16 00:12

Reviewer performed review: 2023-12-04 10:12

Review time: 18 Days and 9 Hours

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [Y] Minor revision [ ] Major revision [ ] Rejection
Re-review	[ ] Yes [Y] No

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Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Type 2 Diabetes Mellitus (T2DM) is one of the most common metabolic disorders, which is influenced by complex interrelationships between genetic, metabolic and lifestyle factors. This literature review covers potential interactions between genetic polymorphisms and dietary factors concerning T2DM susceptibility and disease progression, and novel genotype-based dietary strategies have been developed for improving T2DM control in comparison to general lifestyle recommendations. This is an interesting and clinically relevant topic. The paper is well written with clear logic and cites a large number of relevant literatures. However, there are some issues must be addressed. The review is a little long, and it is best to reduce it slightly. Some references are best updated, and some writing and grammar mistakes need to be corrected, for example “some studies ha analyzed” in page 7, “a higher reductions” in page 11, and “current evidence suggest a role” in page 12.