

PEER-REVIEW REPORT

Name of journal: *World Journal of Diabetes*

Manuscript NO: 87094

Title: Analysis of the management and therapeutic performance of diabetes mellitus employing special target

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05126185

Position: Editorial Board

Academic degree: PhD

Professional title: Associate Professor

Reviewer's Country/Territory: South Korea

Author's Country/Territory: China

Manuscript submission date: 2023-07-24

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-07-31 01:21

Reviewer performed review: 2023-07-31 01:39

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 Grade E: Do not publish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

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 type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input 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

I am really grateful to review this manuscript. In my opinion, this manuscript can be published once some revision is done successfully. I made one suggestion and I would like to ask your kind understanding. This study reviewed 101 references on the pathophysiology, management and therapeutic performance of diabetes mellitus. I would argue that this study is a rare achievement as a really comprehensive review on this important topic. However, it can be noted that recent literature pays increasing attention on the social determinants of diabetes mellitus. In this context, I would like to ask the authors to address this issue in Discussion.

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Reviewer's code: 04419139

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Assistant Professor, Senior Scientist

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2023-07-24

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-08-10 23:04

Reviewer performed review: 2023-08-14 20:42

Review time: 3 Days and 21 Hours

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 Grade E: Do not publish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

SPECIFIC COMMENTS TO AUTHORS

1. The title is "Analysis of the management and therapeutic performance of diabetes mellitus employing special targets." However, the content focuses more broadly on epidemiology, pathophysiology, traditional management, and medications. Only a small portion in the middle section briefly mentions some emerging special targets like GLP-1, PPARs, etc., but the discussion is not comprehensive or in-depth. Later discovered targets like Vaspin have little linkage to the "special targets" mentioned in the title. Overall, the content discusses traditional methods more extensively, while the analysis on employing special targets is insufficient. 2. The novelty of this review article is insufficient. The article extensively references and repeats viewpoints that are already reported in existing literature regarding the current status, pathogenesis, and management methods of diabetes. Regarding therapeutic targets, although some are mentioned, most are well-known and exhibit significant repetition. The discussion of emerging targets such as Vaspin is superficial and one-sided, lacking a comprehensive and systematic new perspective. There is a lack of predictions for future research directions and treatments, resulting in a lack of forward-looking analysis for the field's

development. The overall framework is conventional, and there is a lack of in-depth innovative thinking and insights into specific issues. In summary, this review heavily relies on existing literature and provides limited supplementary value to the field's knowledge.