

PEER-REVIEW REPORT

Name of journal: *World Journal of Diabetes*

Manuscript NO: 86595

Title: Analysis of influencing factors and interaction of body weight and disease outcome in patients with prediabetes

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06520430

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor, Professor, Researcher

Reviewer's Country/Territory: Russia

Author's Country/Territory: China

Manuscript submission date: 2023-08-01

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-08-02 08:46

Reviewer performed review: 2023-08-15 08:08

Review time: 12 Days and 23 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 Grade E: Do not publish
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

Manuscript Title: Analysis of influencing factors and interaction of body weight and disease outcome in patients with prediabetes. 1- Title reflected the main subject of the manuscript. 2- The abstract summarized and reflect the described in the manuscript. 3- Seven keywords reflected the theme of the manuscript. 4- The manuscript adequately described the background, presented status and significance of the study. 5- The manuscript described Materials and methods (e.g., Patients, Data collection, Definition and detection of relevant indicators, Grouping and Statistical analyses, etc.) in adequate detail. 6- The research objectives are achieved by the experiments used in this study. This study selected 236 patients with prediabetes and 50 patients with normal glucose control, clinical data and follow-up results of all patients were collected. The influencing factors of prediabetes disease outcome were analyzed by logistic regression, and the interaction between body weight and independent influencing factors was analyzed by general linear model. 7- The manuscript interpreted the findings adequately and appropriately, highlighting the key points concisely, clearly and logically. They concluded that High body weight in patients with prediabetes is an independent risk

factor for progression to T2DM, and high body weight coexisting with high uric acid increases the risk of T2DM progression. In my opinion, note that the additional expanded discussions are mandatory. In addition, the limitation of the current study should be discussed in the DISCUSSION part. 8- Manuscript included sufficient, good quality Tables. 9- The manuscript cited appropriately the latest, important and authoritative references in the introduction and discussion sections.

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Title: Analysis of influencing factors and interaction of body weight and disease outcome in patients with prediabetes

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06519549

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Associate Professor, Doctor

Reviewer's Country/Territory: Germany

Author's Country/Territory: China

Manuscript submission date: 2023-08-01

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-08-03 08:32

Reviewer performed review: 2023-08-15 09:38

Review time: 12 Days and 1 Hour

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
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
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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

The authors retrospectively analyzed the clinical data and follow-up results from 236 patients with prediabetes and 50 patients with normal glucose tolerance (NGT) to explore the interaction between body weight and factors associated with the progression of prediabetes to T2DM. Overall, this study was well conducted with good methodology and intelligible English. It is well written and highly interesting. The experiment of the study is designed very well. The methods of data analysis are very clear, and the results are presented well. I have only one small comment: I hope the authors could discuss the limitations of this article appropriately. In fact, increasing the sample size of patients will help us better understand more information. I recommend accepting this manuscript for publication after a minor editing.