

PEER-REVIEW REPORT

Name of journal: *World Journal of Diabetes*

Manuscript NO: 75710

Title: Association of rs1137101 with hypertension and type 2 diabetes of Mongolian and Han Chinese

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 00054672

Position: Editorial Board

Academic degree: FEBG, MD, PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Croatia

Author's Country/Territory: China

Manuscript submission date: 2022-02-17

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-02-17 06:25

Reviewer performed review: 2022-02-20 07:09

Review time: 3 Days

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 Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input checked="" 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 type="checkbox"/> Minor revision <input checked="" 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="radio"/>] Anonymous [<input type="radio"/>] Onymous Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No
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SPECIFIC COMMENTS TO AUTHORS

I have reviewed carefully the paper by Keyu Zhao et al. on the association of the leptin receptor gene SBNP with hypertension and T2DM in Inner Mongolia region. The manuscript has an interesting data on specific population, whoever further modifications and editing are required. Please find my remarks below: 1) The Abstract should be structured 2) Conclusion from the Abstract is missing 3) Unnecessary data in the Introduction should be omitted ..."Differences between the two populations are analyzed. Scientific data to promote advanced metabolic disease research is presented..." 4) Why are there different fonts in the manuscript. Please check the Journal' s predispositions 5) The paper requires typo recheck 6) English editing is required throughout the paper 7) The Discussion is not well balanced, should be improved 8) Figures and Tabled should be at the end of the manuscript

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Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05213310

Position: Editorial Board

Academic degree: PhD

Professional title: Full Professor

Reviewer's Country/Territory: Saudi Arabia

Author's Country/Territory: China

Manuscript submission date: 2022-02-17

Reviewer chosen by: Dong-Mei Wang

Reviewer accepted review: 2022-05-17 03:37

Reviewer performed review: 2022-05-17 04:00

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
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



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Peer-reviewer statements	Peer-Review: [<input checked="" type="radio"/>] Anonymous [<input type="radio"/>] Onymous Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No
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SPECIFIC COMMENTS TO AUTHORS

Please make the following changes: 1. I hope to work on including the most important research findings in the results section of the study abstract. 2. The introduction is too short and needs to be updated with new references, as well as allocating the last paragraph to add the purpose of the study while working to better connect its paragraphs. 3. The methodology is well written, but the statistics section in the end need more pronouncements. 4. I noticed that there are images and tables in the discussion section, and they should be moved to the results section, which is, of course, the proper place. 5. Work to remove any tables or images from the discussion section, while also including study limitations, strengths, and recommendations. 6. Work on summarizing the conclusuin section more thoroughly. 7. References need to be updated whenever need. 8. There are some minor typos. Best wishes.

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Title: Association of rs1137101 with hypertension and type 2 diabetes of Mongolian and Han Chinese

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05857226

Position: Peer Reviewer

Academic degree: PharmD

Professional title: Chief Pharmacist, Lecturer

Reviewer's Country/Territory: Croatia

Author's Country/Territory: China

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Reviewer chosen by: Dong-Mei Wang

Reviewer accepted review: 2022-05-06 09:42

Reviewer performed review: 2022-05-17 07:14

Review time: 10 Days and 21 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
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 type="checkbox"/> Minor revision <input checked="" 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
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SPECIFIC COMMENTS TO AUTHORS

Dear authors, Thank you very much for the opportunity to read and comment on your manuscript. This is interesting manuscript evaluating association of rs1137101 with hypertension and T2DM in ethnic Mongolian and Han Chinese. I have no comments regarding the composition of the manuscript. However, I have some comments that would substantially increase the quality of your work. I recommend adjusting the manuscript style according to the Baishideng Publishing Group Inc. requirements (e.g., key words, brackets, titles, subtitles, references, etc.). You can check previous research articles published in the World Journal of Diabetes. There are several sentences through the text that are not in the spirit of English language. I recommend English language editing one more time, from a native speaker if available. E.g., Line 112 "No significant departure from the HWE was detected", you meant on deviation or deflection instead of departure? Line 50-51, it is unclear on what is meant "LEPR resulted in lower values" of what? Please clarify or rephrase the sentence. I recommend adjusting the manuscript abbreviations and usage of its particular pairs (full word). Somewhere you have used DM while somewhere diabetes, also hypertension and HTN. When you explained word with abbreviation please use abbreviation afterword. Line 73, I recommend citing references of criteria used for diagnosis of T2DM and HTN. Line 86-87, the sentence is unclear. Please rephrase it. Line 89, I recommend full words before using abbreviations (TG, etc). Line 96-97, the sentence is unclear. Please rephrase it. Please explain abbreviations under each Table and Figure. You can check previous research articles published in the World Journal of Diabetes for instructions. In Table 1 we can find quite discrepancies in

baseline characteristics between the groups. This could influence the results. You have find correlation between lepr gene polymorphism, rs1137101 and HTN in Mongolian Chinese, but not for HTM+T2DM. You have stated earlier in the introduction that “The polymorphism, rs1137101 (Gln223Arg), has been the subject of several studies and has also been related to both DM and HTN.” I recommend performing new calculations with adjustment for confounders. Table 2 and Table 3, I recommend inserting number of participants (n = ...) in each subgroup, as you have documented in Table 1.

Some parts of the Discussion section are more suitable for the introduction section, including figures and Table 7. Eg. “The polymorphism, rs1137101, of the lepr gene is located on chromosome 1: “65592830 and involves a substitution of the 223rd amino acid residue, gln (Q), for Arg (R)., etc” Please check the Uniform Requirements for Manuscripts Submitted to Biomedical Journals formulated by the International Committee of Medical Journal Editors (ICMJE) under IV. Manuscript Preparation and Submission section. Please check citing internet sites as references. You can check previous cross sectional research articles published in the World Journal of Diabetes.