

PEER-REVIEW REPORT

Name of journal: *World Journal of Diabetes*

Manuscript NO: 81580

Title: AT1 Receptor downregulation: a mechanism for improving glucose homeostasis.

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: 2022-11-15

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-11-16 08:55

Reviewer performed review: 2022-11-29 06:33

Review time: 12 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 Grade E: Do not publish
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input 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	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous

statements	Conflicts-of-Interest: [] Yes [Y] No
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SPECIFIC COMMENTS TO AUTHORS

It's a very interesting topic about AT1 receptor downregulation in T2D.

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Manuscript NO: 81580

Title: AT1 Receptor downregulation: a mechanism for improving glucose homeostasis.

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06462052

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: Mexico

Manuscript submission date: 2022-11-15

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-12-09 05:38

Reviewer performed review: 2022-12-13 15:23

Review time: 4 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
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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="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Present study provided a relatively complete description of the role of AT1R inhibition in regulating the glucose homeostasis in patients with type 2 diabetes mellitus. The perspective of the whole review is relatively complete and in-depth, and the review shall be more referential with the following modifications. First of all, the running title should be a brief description of the title, or at least consistent in meaning with the title. Secondly, the conclusion of the involvement of AT1R inhibition in regulating the glucose homeostasis in patients with type 2 diabetes mellitus is hardly to be made with the figures provided. The authors should provide more evidence to match the theme of the article title. Otherwise, the authors should just use the running title as the title of the whole article. However, it also brings a new problem, that is, the novelty of the whole article is greatly reduced. This should be the biggest problem of this article and I really hope the authors could make up with a good solution. Thirdly, the authors should check the data comparison in the figures, and the comparison with significant difference should be marked. In addition, as required by the journal, for all manuscripts involving human studies and/or animal experiments, authors must submit the related formal ethics documents that were reviewed and approved by their local ethical review committee. Finally, the grammar of the article should be greatly revised for better

understanding.

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Manuscript NO: 81580

Title: AT1 Receptor downregulation: a mechanism for improving glucose homeostasis.

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06461797

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: Mexico

Manuscript submission date: 2022-11-15

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-12-10 14:37

Reviewer performed review: 2022-12-19 17:40

Review time: 9 Days and 3 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
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

SPECIFIC COMMENTS TO AUTHORS

Thank you for sending me the manuscript to review. The topic of this manuscript is clinical important and is of interest. The title and abstract well summarized topic and aim of this manuscript. The suggestions to improve the manuscript were showed as the following: 1.The main body of this manuscript should focus on demonstrating the correlation between the signaling pathways of ANG-II and insulin resistance. However, the main body mainly separately introduced effects and signaling pathway of insulin, ANG-II , and insulin resistance. Although the introduction was explicit, the clear and logical demonstration to explain the correlation between signaling pathways of ANG-II and insulin resistance was limited in the main body. 2.In the section “AT1R inhibition improves glucose homeostasis in patients with type 2 diabetes mellitus”, the point that glycemic control in patients with HBP and T2DM is easier than those with only T2DM should be cautiously considered, because the research evidences to support this point was not critically discussed. Are all research evidence consistent, or are there any other contrary findings? 3.The “antihypertensive drugs” used in the manuscript could be more precise. Because this manuscript explored the correlation between ANG-II and insulin resistance, the antihypertensive drugs could be more precise, such as angiotensin converting enzyme inhibitor, angiotensin II receptor antagonists.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Manuscript NO: 81580

Title: AT1 Receptor downregulation: a mechanism for improving glucose homeostasis.

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06462052

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: Mexico

Manuscript submission date: 2022-11-15

Reviewer chosen by: Yu-Lu Chen

Reviewer accepted review: 2023-01-24 02:38

Reviewer performed review: 2023-01-24 02:55

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 checked="" type="checkbox"/> Grade A: Priority publishing <input 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
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

All questions and suggestions were handled well and the manuscript was recommended to be accepted.