

PEER-REVIEW REPORT

Name of journal: World Journal of Diabetes

Manuscript NO: 62278

Title: Advanced-glycation end-products axis: A contributor to the risk of severe illness from COVID-19 in diabetes patients

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: Chile

Manuscript submission date: 2021-01-04

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-01-04 15:45

Reviewer performed review: 2021-01-04 19:32

Review time: 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 Grade E: Do not publish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 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



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgooffice@wjgnet.com
<https://www.wjgnet.com>

SPECIFIC COMMENTS TO AUTHORS

This is an interesting review regarding the RAGE axis in the context of diabetes mellitus and unfavorable outcomes in COVID-19. I would recommend if for publication after minors issues are resolved; the abstract is poor and should be rewritten, stating firmly and comprehensively the content of the manuscript. The meaning and the importance of RAGE should be explained in the abstract as well as in the Introduction. Some minor typing errors should be corrected throughout the manuscript.

PEER-REVIEW REPORT

Name of journal: World Journal of Diabetes

Manuscript NO: 62278

Title: Advanced-glycation end-products axis: A contributor to the risk of severe illness from COVID-19 in diabetes patients

Reviewer's code: 02536349

Position: Editorial Board

Academic degree: MD

Professional title: Associate Professor, Doctor

Reviewer's Country/Territory: Turkey

Author's Country/Territory: Chile

Manuscript submission date: 2021-01-04

Reviewer chosen by: Ya-Juan Ma

Reviewer accepted review: 2021-01-05 07:02

Reviewer performed review: 2021-01-05 12:45

Review time: 5 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
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 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



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160, Pleasanton, CA 94566, USA
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E-mail: bpgoffice@wjgnet.com
<https://www.wjgnet.com>

SPECIFIC COMMENTS TO AUTHORS

Manuscript NO: 62278 Title: RAGE axis: A contributor to the risk of severe illness from COVID-19 in diabetes patients Manuscript Type: Review 1- Thanks to authors for this well designed review. Receptor for Advanced Glycation Endproducts (RAGE) as a transmembrane receptor of the immunoglobulins has been shown that related to ongoing low level inflammation in chronic diseases especially diabetes mellitus. This review explores the literature to explain a mechanism why more severe consequences occur in diabetic patients with Covid-19. 2- RAGE should be expressed openly in it's first usage, as in keywords, not as an abbreviation. 3- Same abbrev. issue should be performed for ECM, AGE, HMGB1 in their first usage. "Elevated levels of circulating advanced glycation end-products (AGEs) are believed.." 4- Title is appropriate to reflect the inclusion of the review. 5- Correction for "diabetes," 6- Any projections may be mentioned on how this pathway coincides with possible side effects of metformin and sodium-glucose cotransporter 2 inhibitors in diabetic Covid-19 patients. 7- How does pathophysiologic pathway explain viral particles inside the cells in endotheliitis / endothelialitis? 8- Could RAGE explain all aspects of increased susceptibility to hyperinflammation in Covid-19. If not, "RAGE axis seems to be a key player " should be "RAGE axis seems to be one of key players"