

PEER-REVIEW REPORT

Name of journal: World Journal of Diabetes

Manuscript NO: 56172

Title: Prevalence and impact of diabetes on COVID-19 infection in China

Reviewer's code: 03465354

Position: Editorial Board

Academic degree: PhD

Professional title: Assistant Professor

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2020-04-19

Reviewer chosen by: Ya-Juan Ma

Reviewer accepted review: 2020-05-07 14:27

Reviewer performed review: 2020-05-11 17:21

Review time: 4 Days and 2 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 Grade E: Do not publish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 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

The proposed manuscript by Du et al. presents the results from a meta-analysis of observational cross-sectional and cohort studies on the prevalence and impact of diabetes mellitus in SARS-nCoV-2-infected patients. Meta-analysis comprises 24 studies including a total of 49,589 patients with COVID-19, 1,587 of which had diabetes. Results demonstrated that pooled prevalence of diabetes among the COVID-19 patients was an average of 11% and associated with higher risk of severe illness. However, presence of diabetes was not significantly associated with intensive care unit (ICU) admission or mortality. Main limitation of this study is that it is performed too early to be able to draw some solid conclusions. Almost all of the studies included in the analysis were performed in China (24,262 patients from China from 23 studies vs. 24 patients from other countries from only one study), so the obtained data cannot be automatically extrapolated to all ethnicities. It may be probably more correct if the authors aimed to analyze data from only Chinese population and exclude the 24 patients from other countries. Besides of this, I do not find any incorrectness with the study design or statistics. Manuscript is written in a good English and no significant language editing is needed.

PEER-REVIEW REPORT

Name of journal: World Journal of Diabetes

Manuscript NO: 56172

Title: Prevalence and impact of diabetes on COVID-19 infection in China

Reviewer's code: 03490943

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Doctor, Postdoc, Teaching Assistant

Reviewer's Country/Territory: Serbia

Author's Country/Territory: China

Manuscript submission date: 2020-04-19

Reviewer chosen by: Ya-Juan Ma

Reviewer accepted review: 2020-05-08 12:13

Reviewer performed review: 2020-05-16 13:38

Review time: 8 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
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

The topic of paper is very interesting and relevant; however I must raise some points that should be addressed by the authors: - although authors state that the prevalence and impact of diabetes on COVID-19 infection has not been systematically reviewed, this is not true at the moment, since some papers have been already published (e.g., Huang I, et al. *Diabetes Metab Syndr* 2020;14:395-403; Kumar A, et al. *Diabetes Metab Syndr* 2020;14:535-545); please, correct this claim and include those papers in the discussion - since 23 of 24 included studies are from from China, I would suggest authors to expel the one from USA and make their systematic review and meta-analysis country specific; - please, also discuss the association between SARS-CoV-2 and DPP4 - the text requires minor language and technical polishing

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Diabetes

Manuscript NO: 56172

Title: Prevalence and impact of diabetes on COVID-19 infection in China

Reviewer's code: 03490943

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Doctor, Postdoc, Teaching Assistant

Reviewer's Country/Territory: Serbia

Author's Country/Territory: China

Manuscript submission date: 2020-04-19

Reviewer chosen by: Le Zhang

Reviewer accepted review: 2020-08-07 03:52

Reviewer performed review: 2020-08-08 09:45

Review time: 1 Day and 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 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

SPECIFIC COMMENTS TO AUTHORS

No further comments.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Diabetes

Manuscript NO: 56172

Title: Prevalence and impact of diabetes on COVID-19 infection in China

Reviewer's code: 03465354

Position: Editorial Board

Academic degree: PhD

Professional title: Assistant Professor

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2020-04-19

Reviewer chosen by: Le Zhang

Reviewer accepted review: 2020-08-07 01:21

Reviewer performed review: 2020-08-10 21:15

Review time: 3 Days and 19 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
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 giving me the opportunity to review the revised version of this

manuscript. I am glad that the authors took into consideration my peer review comments and included a paragraph about the molecular mechanisms of the disease. I do not have any additional comments.