

PEER-REVIEW REPORT

Name of journal: World Journal of Diabetes

Manuscript NO: 60960

Title: Altered spontaneous brain activity in patients with diabetic optic neuropathy: a resting-state functional MRI study using regional homogeneity

Reviewer's code: 05186196

Position: Peer Reviewer

Academic degree: MD

Professional title: Academic Research, Attending Doctor, Doctor

Reviewer's Country/Territory: Romania

Author's Country/Territory: China

Manuscript submission date: 2020-11-20

Reviewer chosen by: Jin-Lei Wang

Reviewer accepted review: 2020-12-15 13:38

Reviewer performed review: 2020-12-15 14:13

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 Grade E: Do not publish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
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

This seems an interesting research based on resting-state functional MRI employed to detect altered spontaneous brain activity in patients with diabetic optic neuropathy. The paper is well-conducted and would only require some minor/moderate revisions. 1. Please proofread and copyedit the text. There are numerous typing errors that make the text difficult to read. Use the free version of Grammarly to check the manuscript. 2. This does not seem to be a clinical trial and it is definitely not a RCT. Maybe a case-control study? 3. You also investigated anxiety and depression but you did not mention anything about it in the introduction, abstract or discussion. Please discuss these results as well and why you decided to perform this investigation. Maybe your findings are related to your patients' anxiety/depression rather than DON? Please argue about this issue. 4. Revise the references for uniformity. 5. Regarding the figures, did you use copyrighted images or did you prepare them? Please check whether you are allowed to use those images. 6. In diabetes and diabetes (the association of diabetes and obesity) oxidative stress seems to be an important putative mechanism. The adipose tissue is a source of pro-inflammatory adipocytokines and reactive oxygen species and might contribute to the ocular complications, including the development of DON. Please see the following paper published in the World Journal of Diabetes this year: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7243484/> <https://www.tandfonline.com/doi/abs/10.1080/10408398.2020.1821166> 7. Another reason for the high incidence of DON might be related to the fact that patients with diabetes are exposed to polypharmacy and are thus less compliant to their prescribed medications. Please see the following paper: <https://www.mdpi.com/1010-660X/55/8/436> 8. Considering the study sample was low, can you provide more details about the patients? What comorbidities did they also

associate, e.g. hypertension, dyslipidemia, obesity etc? Give more details about the macrovascular and microvascular complications of diabetes in your study group. Also, what treatment did these patients receive? Were they on insulin, oral antidiabetics or both?

PEER-REVIEW REPORT

Name of journal: World Journal of Diabetes

Manuscript NO: 60960

Title: Altered spontaneous brain activity in patients with diabetic optic neuropathy: a resting-state functional MRI study using regional homogeneity

Reviewer's code: 03490943

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Assistant Professor, Doctor, Postdoc

Reviewer's Country/Territory: Serbia

Author's Country/Territory: China

Manuscript submission date: 2020-11-20

Reviewer chosen by: Jin-Lei Wang

Reviewer accepted review: 2020-12-16 18:00

Reviewer performed review: 2020-12-20 15:44

Review time: 3 Days and 21 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 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



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SPECIFIC COMMENTS TO AUTHORS

The topic and the results of study are very interesting. However, I would like to raise some points that should be addressed by authors: - please, discuss in more details the results regarding the anxiety and depression - please, provide more details about patients with diabetes (type of diabetes, duration of diabetes, antidiabetic treatment, diabetes complications, comorbidities, etc.) - please, revise the whole manuscript and remove typos and grammar errors - please, revise the list of references and make it uniform in style

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Diabetes

Manuscript NO: 60960

Title: Altered spontaneous brain activity in patients with diabetic optic neuropathy: a resting-state functional MRI study using regional homogeneity

Reviewer's code: 05186196

Position: Peer Reviewer

Academic degree: MD

Professional title: Academic Research, Attending Doctor, Doctor

Reviewer's Country/Territory: Romania

Author's Country/Territory: China

Manuscript submission date: 2020-11-20

Reviewer chosen by: Jia-Ru Fan

Reviewer accepted review: 2020-12-31 05:22

Reviewer performed review: 2020-12-31 05:28

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 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

The authors have addressed my comments and the paper can be accepted for publication.