

Point by point response

Lian-Sheng Ma, Science Editor, Company Editor-in-Chief, Editorial Office
Baishideng Publishing Group Inc
7041 Koll Center Parkway, Suite 160, Pleasanton, CA 94566, USA

Dated: March 17, 2021

Re: [Revision; Predictive Modeling in Neurocritical Care Using Causal Artificial Intelligence](#)

Dear Editor,

We want to thank the editorial office and the reviewers for the time and consideration given to our manuscript. In the following page we address the comments provided by the reviewers for revision of the submitted manuscript.

Please note that the revised manuscript has been submitted with changes included as “track changes”, supplementary file for the figure has been submitted as well in .ppt format so that it can be edited.

All authors have contributed significantly for the revision of the manuscript and approve the final version.

Sincerely,

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REVIEWER 1:

In this mini-review, innovations in creating an AI model for Neuro-Critical Care that can be used to educate clinicians from a different perspective and increase clinical decision making are discussed. Current literature on the creation of a "digital twin" AI model as a tool for clinical decision making in the field of neurology is scarce. This mini-review could provide readers with an introduction to artificial intelligence applications in and outside of healthcare, the idea of the "digital twin" as a disease model, a methodology for the applicability of Artificial Intelligence in Neuro Critical Care. While using Digital Twin models in the fields of Cardiology and Endocrinology, attention has been drawn to the fact that a validated model has not yet been adopted in education and clinical practice in the NCC field.

Response: We thank the reviewer for encouraging comments.

REVIEWER 2:

It is an excellent mini-review which focuses on building an actionable AI model for improvement of training and practices in Neuro-Critical Care. It is suggested that more details be discussed for applying AI models to solve clinical problems, with regard to either training or practices, in the field of NCC rather than CCM (Critical Care Medicine).

Response: Thank you for the encouraging peer review. We have added another paragraph in the text focusing on neurocritical care in the revised manuscript.

COMMENTS FROM THE EDITOR:

1 Scientific quality: The manuscript describes a minireviews of the predictive modeling in neurocritical care using causal artificial intelligence. The topic is within the scope of the WJCCM.

(1) Classification: Grade B and Grade A;

(2) Summary of the Peer-Review Report: The authors an excellent mini-review which focuses on building an actionable AI model for improvement of training and practices in Neuro-Critical Care. It is innovations. However, more details should be discussed for applying AI models to solve clinical problems, with regard to either training or practices, in the field of NCC rather than CCM

Response: We thank the editorial office for the careful review, we have made the recommended changes in the manuscript.

(3) Format: There are 3 figures.

Response: Three figures have been combined in an editable ppt format as suggested.

(4) References: A total of 39 references are cited, including 23 references published in the last 3 years; (5) Self-cited references: There are 2 self-cited references. The self-referencing rates should be less than 10%. Please keep the reasonable self-citations that are closely related to the topic of the manuscript, and remove other improper self-citations. If the authors fail to address the critical issue of self-citation, the editing process of this manuscript will be terminated.

Response: Self citations for the current manuscript are less than the journal threshold of 10%. References have been appropriately formatted.

(6) References recommend: The authors have the right to refuse to cite improper references recommended by peer reviewer(s), especially the references published by the peer reviewer(s) themselves. If the authors found the peer reviewer(s) request the authors to cite improper references published by themselves, please send the peer reviewer's ID number to the editorialoffice@wjnet.com. The Editorial Office will close and remove the peer reviewer from the F6Publishing system immediately.

Response: No improper conduct from the peer reviewers.

2 Language evaluation: Classification: Grade A and Grade A.

3 Academic norms and rules: No academic misconduct was found in the Bing search.

4 Supplementary comments: This is an invited manuscript. No financial support was obtained for the study. The topic has not previously been published in the WJCCM.

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5 Issues raised: (1) The authors did not provide original pictures. Please provide the original figure documents. Please prepare and arrange the figures using PowerPoint to ensure that all graphs or arrows or text portions can be reprocessed by the editor; and (2) Please obtain permission for the use of picture(s). If an author of a submission is re-using a figure or figures published elsewhere, or that is copyrighted, the author must provide documentation that the previous publisher or copyright holder has given permission for the figure to be re-published; and correctly indicating the reference source and copyrights. For example, “Figure 1 Histopathological examination by hematoxylin-eosin staining (200 ×). A: Control group; B: Model group; C: Pioglitazone hydrochloride group; D: Chinese herbal medicine group. Citation: Yang JM, Sun Y, Wang M, Zhang XL, Zhang SJ, Gao YS, Chen L, Wu MY, Zhou L, Zhou YM, Wang Y, Zheng FJ, Li YH. Regulatory effect of a Chinese herbal medicine formula on non-alcoholic fatty liver disease. *World J Gastroenterol* 2019; 25(34): 5105-5119. Copyright ©The Author(s) 2019. Published by Baishideng Publishing Group Inc[6]”. And please cite the reference source in the references list. If the author fails to properly cite the published or copyrighted picture(s) or table(s) as described above, he/she will be subject to withdrawal of the article from BPG publications and may even be held liable.

Response: Three figures have been combined in an editable ppt format as suggested. All the figures are original without any conflict of interest or copyright issues from previous publications.

6 Recommendation: Conditional acceptance.

Response: Thank you. I hope you find the changes suitable in the revised manuscript for acceptance to the journal for publication.