Authors′ Responses to the Reviewers′ Comments – Revision 1

Name of Journal: *World Journal of Psychiatry*

Invited Manuscript ID (05207387).

Manuscript NO*:*

Type: ORIGINAL ARTICLE

Title: Development of a depression in Parkinson's disease prediction model using machine learning

We appreciate the editor, who gave opportunity to revise our work. Also, we would like to thank the reviewers for careful and thorough reading of this manuscript and for the thoughtful comments and constructive suggestions, which help to improve the quality of this manuscript. We carefully considered your comments as well as those offered by the three reviewers. We agree with most of them, and the manuscript has been revised thoroughly according to the reviewer′s advice. We hope that these revisions improve the paper such that you and the reviewers now deem it worthy of publication in *World Journal of Psychiatry*. Also, we hope our revision meet your approval. We next detail our responses to each reviewer′s concerns and comments.

Our response follows (the reviewer′s comments are in italics).

Reviewer #1

Reviewer #1:
Scientific Quality: Grade A (Excellent)
Language Quality: Grade A (Priority publishing)
Conclusion: Accept (High priority)
Specific Comments to Authors: Authors conducted the study very well to identify the

predictors for the depression in Parkinson's disease by using the support vector machine.

> We appreciate the reviewer′s detailed evaluations and positive comments. We appreciate the positive feedback. Also, we appreciate you very much for giving us the opportunity to revise our paper. We agree with most of them, and the manuscript has been revised thoroughly according to the reviewer′s advice. Our changes have been marked in highlight font in the revised manuscript. We hope that these revisions improve the paper such that reviewers now deem it worthy of publication in *World Journal of Psychiatry*. Also, we hope our revision meet your approval.

Reviewer #2:
Scientific Quality: Grade C (Good)
Language Quality: Grade B (Minor language polishing)
Conclusion: Accept (General priority)
Specific Comments to Authors: no comments

> We appreciate the reviewer′s detailed evaluations and positive comments. We appreciate the positive feedback. Also, we appreciate you very much for giving us the opportunity to revise our paper. We agree with most of them, and the manuscript has been revised thoroughly according to the reviewer′s advice. Our changes have been marked in highlight font in the revised manuscript. We hope that these revisions improve the paper such that reviewers now deem it worthy of publication in *World Journal of Psychiatry*. Also, we hope our revision meet your approval.

Editorial Office′s comments

Comment #1:

Academic norms and rules: The Conflict-of-Interest Disclosure Form was not properly provided.

> We appreciate the positive feedback. Also, we would like to thank the editor for careful and thorough reading of this manuscript and for the thoughtful comments and constructive suggestions, which help to improve the quality of this manuscript. We have modified it to "The ICMJE Conflict of Interest form". We hope our revision meet your approval.

Comment #2:
No academic misconduct was found in the Bing search and the similar index is 31% in the CrossCheck detection, the repeated sentences should be rephrased. According to our policy, the overall similarity index should be less than 30%, and the single-source similarity should be less than 5%.

We appreciate the positive feedback. Also, we would like to thank the editor for careful and thorough reading of this manuscript and for the thoughtful comments and constructive suggestions, which help to improve the quality of this manuscript. We have changed the expression of the sentence to lower the "similar index" of this paper. Also, some terms have been changed to abbreviations. we hope our revision meet your approval.

Comment #4: Please provide original picture which could be editable.

We appreciate the positive feedback. Also, we would like to thank the editor for careful and thorough reading of this manuscript and for the thoughtful comments and constructive suggestions, which help to improve the quality of this manuscript. The picture is attached as a separate figure file (word). It has been saved as a high-resolution file for editing. You can edit the picture in this file if you need to edit it.

Comment #5: Please add ″article highlight″ section.

We thank the editor for providing these insights. Also, we thank the editor who gave us the opportunity to make corrections. We have added a "Core tip (″article highlight″ section)″ on page 4.