

Reviewer #1:

Scientific Quality: Grade B (Very good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Accept (General priority)

Specific Comments to Authors: Original and very innovative view on the most challenging issue in nosology.

Reviewer #2:

Scientific Quality: Grade B (Very good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Accept (General priority)

Specific Comments to Authors: This is a fairly good article written on a very important medical topic. The aim of this paper is to explain the new nomothetic network psychiatry (NNP) approach, which uses machine learning methods to build data-driven causal models of mental illness. This review provided helpful information to future understand the psychiatric illness in the update research. This review is very interesting. However, there is a sexual dimorphism in Schizophrenia development, are there any gender difference in clinical efficacy of the new nomothetic network psychiatry (NNP) approach?

@@ANSWER: this is addressed in the text as:

The latter is important to examine in schizophrenia and mood disorders because sexual dimorphisms were detected in those disorders^[39,40]. Using PLS-MGA in schizophrenia we found significant differences between both women and men in the path from AOP to the phenomenome (quality of life) with a significant impact in women, but not in men^[4]. On the other hand, no significant sex-related differences in the nomothetic network or in any of the pathways could be detected in mood disorders^[3,5].

4 LANGUAGE QUALITY

Please resolve all language issues in the manuscript based on the peer review report. Please be sure to have a native-English speaker edit the manuscript for grammar, sentence structure, word usage, spelling, capitalization, punctuation, format, and general readability, so that the manuscript's language will meet our direct publishing needs.

@@ANSWER: We have reread the text and amended some sentences.

5 EDITORIAL OFFICE'S COMMENTS

Authors must revise the manuscript according to the Editorial Office's comments and suggestions, which are listed below:

(1) **Science editor:** 1 Scientific quality: The manuscript describes an opinion review of the construct neuroscience-informed psychiatric classification. The topic is within the scope of the WJP. (1) Classification: Grade B and Grade B; (2) Summary of the Peer-Review Report: This is a fairly good article written on a very important medical topic, original and very innovative view on the most challenging issue in nosology. This review provided helpful information to future understand the psychiatric illness in the update research. This review is very interesting. Are there any gender difference in clinical efficacy of the new nomothetic network psychiatry approach? The questions raised by the reviewers should be answered;

@@ANSWER: sexual dimorphisms are discussed in the text (see also above)

and (3) Format: There are 4 figures. A total of 41 references are cited, including 13 references published in the last 3 years. There are 11 self-citations. 2 Language evaluation: Classification: Grade B and Grade B. 3 Academic norms and rules: The authors need to provide the signed Conflict-of-Interest Disclosure Form and Copyright License Agreement. No academic misconduct was found in the CrossCheck detection and Bing search. 4 Supplementary comments: This is an invited manuscript. The topic has not previously been published in the WJP. The corresponding author has not published articles in the BPG. 5 Issues raised: (1) I found the authors did not provide the original figures. 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;

@@ANSWER: the original ppt figures are submitted as a separate file (drossi-slides-30.5-9-2020)

(2) I found the authors did not add the PMID and DOI in the reference list. Please provide the PubMed numbers and DOI citation numbers to the reference list and list all authors of the references. Please revise throughout;

@@ANSWER: doi and PMID are added.

(2) the author should number the references in Arabic numerals according to the citation order in the text. The reference numbers will be superscripted in square brackets at the end of the sentence with the citation content or after the cited author's name, with no spaces;

@@ANSWER: square brackets are now in superscript all over the text.

and (4) I found the authors did not write the "core tip" section. Please write the "core tip" section before the main text. 6 Re-Review: Required. 7 Recommendation: Conditionally accepted.

@ANSWER: a core tip section is added.

(2) Editorial office director: I have checked the comments written by the science editor.

(3) Company editor-in-chief: I have reviewed the Peer-Review Report, full text of the manuscript, and the relevant ethics documents, all of which have met the basic publishing requirements of the World Journal of Psychiatry, and the manuscript is conditionally accepted. I have sent the manuscript to the author(s) for its revision according to the Peer-Review Report, Editorial Office's comments and the Criteria for Manuscript Revision by Authors.

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