



## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Psychiatry*

**Manuscript NO:** 82790

**Title:** Neuroimmune, clinical and treatment challenges in multiple sclerosis-related psychoses

**Provenance and peer review:** Invited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 05270700

**Position:** Editorial Board

**Academic degree:** DSc, MD, PhD

**Professional title:** Professor

**Reviewer's Country/Territory:** Bulgaria

**Author's Country/Territory:** Serbia

**Manuscript submission date:** 2022-12-27

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-12-28 06:47

**Reviewer performed review:** 2022-12-28 06:58

**Review time:** 1 Hour

|                           |   |
|---------------------------|---|
| <b>Scientific quality</b> | <input checked="" type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good<br><input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish            |
| <b>Language quality</b>   | <input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing<br><input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection |
| <b>Conclusion</b>         | <input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority)<br><input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection             |
| <b>Re-review</b>          | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No   |



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|                                     |   |
|-------------------------------------|---|
| <b>Peer-reviewer<br/>statements</b> | Peer-Review: [ <input type="checkbox"/> ] Anonymous [ <input checked="" type="checkbox"/> ] Onymous |
|                                     | Conflicts-of-Interest: [ <input type="checkbox"/> ] Yes [ <input checked="" type="checkbox"/> ] No  |

### **SPECIFIC COMMENTS TO AUTHORS**

This minireview paper summarizes recent advances in the explanation of co-morbidity between psychosis and multiple sclerosis. Authors analyse the shared and distinct immuno-pathogenetic pathways and mechanisms which underpin the two conditions and their exacerbations. Implications for phramacological treatment strategies are reviewed as well. The manuscript may benefit from inclusion of few more sources, in order to exceed the usually considered minimum of 80 titles for minireview. Those sources may be focused on the issue of psychiatric validity and construction of nomothetic networks for diagnosis, which may approximate psychiatry to the disciplinary context of medicine. The search strategy should be outlined in the introduction, including key words, covered time frame and data bases.



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**Peer-review model:** Single blind

**Reviewer's code:** 04009683

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Associate Professor

**Reviewer's Country/Territory:** India

**Author's Country/Territory:** Serbia

**Manuscript submission date:** 2022-12-27

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-12-27 23:53

**Reviewer performed review:** 2023-01-04 02:54

**Review time:** 7 Days and 3 Hours

|  |  |
|--|--|
| <b>Scientific quality</b>                          | <input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good<br><input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish |
| <b>Novelty of this manuscript</b>                  | <input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair<br><input type="checkbox"/> Grade D: No novelty   |
| <b>Creativity or innovation of this manuscript</b> | <input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair<br><input type="checkbox"/> Grade D: No creativity or innovation                                |



|   |  |
|---|--|
| <b>Scientific significance of the conclusion in this manuscript</b> | <input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair<br><input type="checkbox"/> Grade D: No scientific significance   |
| <b>Language quality</b>   | <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 |
| <b>Conclusion</b>   | <input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority)<br><input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection          |
| <b>Re-review</b>  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |
| <b>Peer-reviewer statements</b>                                     | 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**

i. Abstract: Well written ii. Introduction: Kindly refer to the sentence: It is the most common chronic disabling disease in young adults and middle-aged people..... The authors cited the reference: Browne P, Chandraratna D, Angood C, Tremlett H, Baker C, Taylor B V., Thompson AJ. Atlas of multiple sclerosis 2013: A growing global problem with widespread inequity. Neurology 2014; 83: 1022-1024. [PMID: 25200713 DOI: 10.1212/WNL.0000000000000768]. However the article cited mentions: “Multiple sclerosis (MS) is one of the world's most common neurologic disorders, and in many countries it is the leading cause of nontraumatic neurologic disability in young adults.” The authors interpretation about MS as most common chronic disabling disease in young adults and middle-aged people, is not correct. The authors may rephrase their sentence. iii. Introduction: Kindly refer to the sentence: MS patients are two or three times more likely than general population to suffer from mood and mental health disorders..... It would be better if the authors will report it as... two to three times... instead of two or three times. iv. Introduction: Paragraph 2 and 3 looks disjointed. v. The authors need to discuss about the genetics of multiple sclerosis and its possible



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association with psychosis.

[https://www.thelancet.com/journals/laneur/article/PIIS1474-4422\(22\)00255-1/fulltext](https://www.thelancet.com/journals/laneur/article/PIIS1474-4422(22)00255-1/fulltext)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6027932/>

<https://www.frontiersin.org/articles/10.3389/fimmu.2017.00425/full>

<https://www.ncbi.nlm.nih.gov/books/NBK470155/> vi. The authors also need to discuss about role of immunomodulators used in the treatment of MS, in causation of psychosis vii. The authors should discuss about practice implications of treating psychosis in MS (Safety and efficacy of antipsychotic drugs). viii. Conclusion is lengthy. It does not require references. It should be the summary and implications on the theme.