



PEER-REVIEW REPORT

Name of journal: World Journal of Psychiatry

Manuscript NO: 64860

Title: Novel approaches in schizophrenia - from risk factors and hypotheses to novel drug targets

Reviewer's code: 05775440

Position: Peer Reviewer

Academic degree: PhD

Professional title: Associate Research Scientist

Reviewer's Country/Territory: China

Author's Country/Territory: Czech Republic

Manuscript submission date: 2021-02-27

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-02-28 03:15

Reviewer performed review: 2021-03-08 07:31

Review time: 8 Days and 4 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 Grade E: Do not publish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 checked="" type="checkbox"/> Grade A: Priority publishing <input 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
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



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

SPECIFIC COMMENTS TO AUTHORS

1 Title. Does the title reflect the main subject/hypothesis of the manuscript? YES 2
Abstract. Does the abstract summarize and reflect the work described in the manuscript?
YES 3 Key words. Do the key words reflect the focus of the manuscript? YES 4
Background. Does the manuscript adequately describe the background, present status
and significance of the study? YES 5 Methods. Does the manuscript describe methods
(e.g., experiments, data analysis, surveys, and clinical trials, etc.) in adequate detail? YES
6 Results. Are the research objectives achieved by the experiments used in this study?
What are the contributions that the study has made for research progress in this field?
YES This manuscript is a comprehensive review paper about the pathophysiology of
schizophrenia, which can help us to understand the diagnosis and treatment of
schizophrenia. 7 Discussion. Does the manuscript interpret the findings adequately
and appropriately, highlighting the key points concisely, clearly and logically? Are the
findings and their applicability/relevance to the literature stated in a clear and definite
manner? Is the discussion accurate and does it discuss the paper's scientific significance
and/or relevance to clinical practice sufficiently? YES, YES, YES 8 Illustrations and
tables. Are the figures, diagrams and tables sufficient, good quality and appropriately
illustrative of the paper contents? Do figures require labeling with arrows, asterisks etc.,
better legends? YES 9 Biostatistics. Does the manuscript meet the requirements of
biostatistics? YES 10 Units. Does the manuscript meet the requirements of use of SI
units? YES 11 References. Does the manuscript cite appropriately the latest, important
and authoritative references in the introduction and discussion sections? Does the author
self-cite, omit, incorrectly cite and/or over-cite references? YES, NO 12 Quality of
manuscript organization and presentation. Is the manuscript well, concisely and
coherently organized and presented? Is the style, language and grammar accurate and



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appropriate? YES 13 Research methods and reporting. Authors should have prepared their manuscripts according to manuscript type and the appropriate categories, as follows: (1) CARE Checklist (2013) - Case report; (2) CONSORT 2010 Statement - Clinical Trials study, Prospective study, Randomized Controlled trial, Randomized Clinical trial; (3) PRISMA 2009 Checklist - Evidence-Based Medicine, Systematic review, Meta-Analysis; (4) STROBE Statement - Case Control study, Observational study, Retrospective Cohort study; and (5) The ARRIVE Guidelines - Basic study. Did the author prepare the manuscript according to the appropriate research methods and reporting? YES 14 Ethics statements. For all manuscripts involving human studies and/or animal experiments, author(s) must submit the related formal ethics documents that were reviewed and approved by their local ethical review committee. Did the manuscript meet the requirements of ethics? YES This manuscript reviews the latest insights in the risk factors for schizophrenia, such as the possible function of neuromediators, neuroinflammation, cannabinoid hypothesis, gut-brain model, and some other hypotheses, which is a comprehensive review paper about the pathophysiology of schizophrenia. Besides, the authors summarize some novel approaches for schizophrenia treatment. This review paper can help us to understand the diagnosis and treatment of schizophrenia.