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7041 Koll Center Parkway, Suite 160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
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PEER-REVIEW REPORT

Name of journal: World Journal of Psychiatry

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Title: Metabotropic glutamate receptors and nitric oxide in dopaminergic neurotoxicity

Reviewer's code: 02440844
Position: Peer Reviewer
Academic degree: PhD
Professional title: Professor
Reviewer's Country/Territory: China
Author's Country/Territory: Russia

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Reviewer chosen by: AI Technique
Reviewer accepted review: 2021-03-01 02:45
Reviewer performed review: 2021-03-09 11:03
Review time: 8 Days and 8 Hours

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [Y] Accept (General priority) [ ] Minor revision [ ] Major revision [ ] Rejection
Re-review	[ ] Yes [Y] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

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SPECIFIC COMMENTS TO AUTHORS

Dopaminergic neurotoxicity is characterized by injury and death of dopaminergic neurons. parkinson's disease (PD) is a neurodegenerative disorder that mainly involves the loss of dopaminergic neurons in the substantia nigra. In this reviws, the relationship between mGluRs and NO in dopaminergic neurotoxicity is reviewed based on the dopaminergic neurotoxicity model. This paper expounds that alternative treatment strategies other than dopaminergic drugs may be the main topic of PD future treatment, and puts forward new ideas of mGluR regulation and regulation of NO formation in the development of new PD treatment strategies. This review provides new ideas for understanding the pathogenesis of Parkinson's disease and PD treatment. The summary is focused, the conclusion is appropriate, the lack of beauty is no illustrations, it is best to add 1-2 illustrations more persuasive. Comment: 1. Line 10 of the title MODELS OF DOPAMINERGIC NEUROTOXICITY, is Betarbet 2002] a clerical error? 2. Line 22 of the title MODELS OF DOPAMINERGIC NEUROTOXICITY, is In 2000,Betarbet et al a clerical error? 3. Title MODELS OF DOPAMINERGIC NEUROTOXICITY the reciprocal 1-2 lines, “However,while the behavioral effects of rotenone administration are well characterized,the mechanisms”this sentence is incomplete.