



## PEER-REVIEW REPORT

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

**Manuscript NO:** 64549

**Title:** Brain reward circuitry: The overlapping neurobiology of trauma and substance use disorders

**Reviewer's code:** 03604107

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Professor

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

**Author's Country/Territory:** United States

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**Reviewer chosen by:** Ya-Juan Ma

**Reviewer accepted review:** 2021-03-09 15:47

**Reviewer performed review:** 2021-03-15 17:41

**Review time:** 6 Days and 1 Hour

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<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
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" 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



**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**

The paper has an exquisite language, of a very important theme that is largely written with competence. However, many readers will find it confusing. Starting with the title 'brain reward... and neurobiology of trauma' is a weak connection to the substance use disorder, that has been detailed thereafter. Trauma (psychotrauma) obviously lead to increased risk of abusing with substances (BZD above all); but I did not found any word on ethanol... it is as important as maybe all psychotropics together in this field. Please systematize your ideas. Use one or more tables to showcase contributions of different authors. It is important to quote relevant sources. Kindly explain in details the methodology of choosing the authors that you are quoting. The bulk of studies is enormous. Focus on pioneering studies on PTSD. Several studies have suggested intrinsic role of locus coeruleus and adrenergic responses. Maybe it is not only amygdala and hippocampus, otherwise said... References are not formatted conformingly with journal guidelines: quote in numbers [1]...[2] and consult the journal website.