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PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 61155

Title: Contributions of Aversive Environmental Stress to Migraine Chronification: Research Update of Migraine Pathophysiology

Reviewer's code: 03232367
Position: Peer Reviewer
Academic degree: MD
Professional title: Doctor
Reviewer's Country/Territory: China
Author's Country/Territory: China

Manuscript submission date: 2020-11-28
Reviewer chosen by: Jin-Lei Wang
Reviewer accepted review: 2021-01-12 10:42
Reviewer performed review: 2021-01-20 01:23
Review time: 7 Days and 14 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Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish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) [ ] Accept (General priority) [Y] 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

This review of the migraine pathophysiology is very interesting. In this review, the neuronal plasticity for developing migraine chronicity and relevant neurocircuits were reviewed and discussed. Liu et al focused on providing the most cutting-edge information on neuronal mechanisms involved in the processing of affective aspects of pain and the role of unpleasantness evoked by internal and/or external cues in facilitating the chronification process of migraine headache. This review helps the clinician to better understanding on the chronic migraine pain mechanisms, and lead to new strategies for pain treatment. Minor comments: 1. The are some misspelled words. Please check and revise carefully. 2. The references are updated, however, an editing is required. 3. If a table or a figure about how publications were selected can be added, it will be more interesting.