PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 76912

Title: The convergence mechanism of mindfulness intervention in treating ADHD: clues from current evidence

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 04943438

Position: Peer Reviewer

Academic degree: MD

Professional title: Attending Doctor, Research Scientist

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2022-04-06

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-05-05 20:23

Reviewer performed review: 2022-05-05 23:08

Review time: 2 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Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish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: [ ] Anonymous [Y] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Abstract: well-focused ad increases curiosity to read a full paper   Good work was done on the background of the problem and the importance of the convergence mechanism to maintain remission. Well-described literature on stimulants. Recommend to add information on available data on efficacy and tolerability of non-stimulant options as recently approved Viloxazine focuses more on comorbidities due to activity on serotonin receptors.   The discussion section focuses on the main goal of the study: to provide biological evidence on the effectiveness of mindfulness therapy for ADHD symptoms. They close the paper by proving a path for future research and clinical implications. This paper is well-drafted and needs minor revision as recommended and is publishable thereafter.

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Manuscript NO: 76912

Title: The convergence mechanism of mindfulness intervention in treating ADHD: clues from current evidence

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05207387

Position: Editorial Board

Academic degree: DSc, PhD

Professional title: Professor

Reviewer's Country/Territory: South Korea

Author's Country/Territory: China

Manuscript submission date: 2022-04-06

Reviewer chosen by: Dong-Mei Wang

Reviewer accepted review: 2022-05-23 08:00

Reviewer performed review: 2022-05-23 08:05

Review time: 1 Hour

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] 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 |

SPECIFIC COMMENTS TO AUTHORS

Thanks for recommending me as a reviewer. In this review paper, authors reviewed the underlying evidence for various aspects of the ADHD convergence mechanism in mindfulness intervention. There may be compatibility among various ADHD remission models and the therapeutic mechanism of mindfulness intervention in ADHD may be mainly via the convergence mechanism. However, neuroimaging-based analysis of the mechanisms of mindfulness intervention in treating ADHD is lacking. Differences in the efficacy of various subtypes of mindfulness intervention, and corresponding specific imaging changes, needs further investigation. Overall, this review paper is well written. If the authors complete minor revisions, the quality of the study will be further improved.   1. Authors are encouraged to double-check the reference form.

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Manuscript NO: 76912

Title: The convergence mechanism of mindfulness intervention in treating ADHD: clues from current evidence

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05198640

Position: Peer Reviewer

Academic degree: DSc, MD, PhD

Professional title: Full Professor

Reviewer's Country/Territory: Bulgaria

Author's Country/Territory: China

Manuscript submission date: 2022-04-06

Reviewer chosen by: Dong-Mei Wang

Reviewer accepted review: 2022-05-23 08:51

Reviewer performed review: 2022-05-30 07:10

Review time: 6 Days and 22 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	[Y] Yes [ ] No

Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

This is an interesting narrative literature review, which is focused on the so called convergence mechanism implicated in the treatment of ADHD. There are summarized the various structures and networks which operate this mechanism before, during after mindfullness intervention. The paper may benefit if reframed into a more rigorous review format, e.g. systematic review of all treatment approaches for ADHD and the monitoring of their efficacy by means of functional MRI. However if the authors prefer to adhere to the current format, they should clearly state it is as "selective review", describe their search strategy and methodology and increase the number of references to >80.