

PEER-REVIEW REPORT

Name of journal: *World Journal of Psychiatry*

Manuscript NO: 87489

Title: Treatment Outcomes and Cognitive Function Following Electroconvulsive Therapy in Patients with Severe Depression

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 07746834

Position: Peer Reviewer

Academic degree: PhD

Professional title: Doctor, Research Associate

Reviewer's Country/Territory: United Kingdom

Author's Country/Territory: China

Manuscript submission date: 2023-09-13

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-09-18 09:22

Reviewer performed review: 2023-09-27 11:33

Review time: 9 Days and 2 Hours

Scientific quality	<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 Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" 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 type="checkbox"/> Accept (General priority) <input checked="" 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

SPECIFIC COMMENTS TO AUTHORS

Major depressive disorder can negatively affect physical, psychological, social, and occupational aspects of life, leading to increased morbidity, mortality, and suicide risk. Electroconvulsive therapy has been widely used to treat many psychiatric disorders, especially severe or treatment-resistant major depressive disorder, and it is a highly potent and safe remedy for acute or suicidal major depressive disorder. However, electroconvulsive therapy remains underutilized and stigmatized due to misconceptions and controversies. In this interesting study, the authors compare the efficacy and safety of electroconvulsive therapy with those of pharmacotherapy and/or psychotherapy in patients with severe major depressive disorder. This study is well designed and the methods are clearly described. The findings are discussed with updated references. I have some minor comments: 1. The manuscript requires a minor editing. Both the format and some minor language polishings. 2. The abstract should be revised. The sentence "This study evaluated the efficacy and safety of ECT compared to those of medication and/or therapy in patients with severe MDD." in the background should be moved and the replace the aim in the abstract. 3. The reference list should be edited according to the



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journal's style.

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Reviewer's code: 07746677

Position: Peer Reviewer

Academic degree: BSc, MD, PhD

Professional title: Assistant Professor, Doctor, Researcher

Reviewer's Country/Territory: Israel

Author's Country/Territory: China

Manuscript submission date: 2023-09-13

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-09-15 08:46

Reviewer performed review: 2023-09-27 12:24

Review time: 12 Days and 3 Hours

Scientific quality	<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
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
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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

SPECIFIC COMMENTS TO AUTHORS

I read this manuscript with great interest. The authors evaluated the efficacy and safety of ECT compared to those of medication and/or therapy in patients with severe MDD. The manuscript is well written. I only suggest the authors edit the manuscript carefully according to the journal's guidelines, and update the image.

Reviewer #1:

Specific Comments to Authors: I read this manuscript with great interest. The authors evaluated the efficacy and safety of ECT compared to those of medication and/or therapy in patients with severe MDD. The manuscript is well written. I only suggest the authors edit the manuscript carefully according to the journal's guidelines, and update the image.

Thank you very much for your suggestion. I have carefully edited the manuscript according to the magazine's guidelines and updated the images for your review.

Reviewer #2:

Specific Comments to Authors: Major depressive disorder can negatively affect physical, psychological, social, and occupational aspects of life, leading to increased morbidity, mortality, and suicide risk. Electroconvulsive therapy has been widely used to treat many psychiatric disorders, especially severe or treatment-resistant major depressive disorder, and it is a highly potent and safe remedy for acute or suicidal major depressive disorder. However, electroconvulsive therapy remains underutilized and stigmatized due to misconceptions and controversies. In this interesting study, the authors compare the efficacy and safety of electroconvulsive therapy with those of pharmacotherapy and/or psychotherapy in patients with severe major depressive disorder. This study is well designed and the methods are clearly described. The findings are discussed with updated references. I have some minor comments: 1. The manuscript requires a minor editing. Both the format and some minor language polishings. 2. The abstract should be revised. The sentence “This study evaluated the efficacy and safety of ECT compared to those of medication and/or therapy in patients with severe MDD.” in the background should be moved and the replace the aim in the abstract. 3. The reference list should be edited according to the journal’s style.

1. We addressed the necessary minor editing, ensuring adherence to both format and language standards.
2. We revised the abstract, moving the specified sentence from the background to replace the aim, enhancing clarity and coherence.
3. We adjusted the reference list to comply with the journal’s style and formatting guidelines.