

## PEER-REVIEW REPORT

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

**Manuscript NO:** 66651

**Title:** Current progress in neuroimaging research for the treatment of major depression with electroconvulsive therapy

**Reviewer's code:** 05270700

**Position:** Editorial Board

**Academic degree:** DSc, MD, PhD

**Professional title:** Professor

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

**Author's Country/Territory:** China

**Manuscript submission date:** 2021-04-01

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-04-16 06:47

**Reviewer performed review:** 2021-04-16 08:33

**Review time:** 1 Hour

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 Grade E: Do not publish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

#### **SPECIFIC COMMENTS TO AUTHORS**

This is a most meaningful review to summarize the main findings after electroconvulsive therapy (ECT) of depression on the level of different neuroimaging modalities. Those include magnetic resonance imaging, magnetic resonance spectroscopy, SPECT, PET, diffusion tensor imaging (DTI). The paper may benefit from some minor revisions. One would be to analyse combined results, which report the effects of ECT on multimodal level. The other would be to insert a table summarizing the findings. Perhaps authors may find it interesting to consider some new advanced studies in the field, e.g.:

<https://www.sciencedirect.com/science/article/pii/S1053811921001725>