

PEER-REVIEW REPORT

Name of journal: World Journal of Psychiatry

Manuscript NO: 65152

Title: Deep brain stimulation for obsessive-compulsive disorder: A systematic review of worldwide experience after 20 years

Reviewer's code: 05692182

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: Spain

Manuscript submission date: 2021-02-28

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-03-01 00:10

Reviewer performed review: 2021-03-09 07:26

Review time: 8 Days and 7 Hours

Scientific quality	[<input checked="" type="radio"/>] Grade A: Excellent [<input type="radio"/>] Grade B: Very good [<input type="radio"/>] Grade C: Good [<input type="radio"/>] Grade D: Fair [<input type="radio"/>] Grade E: Do not publish
Language quality	[<input checked="" type="radio"/>] Grade A: Priority publishing [<input type="radio"/>] Grade B: Minor language polishing [<input type="radio"/>] Grade C: A great deal of language polishing [<input type="radio"/>] Grade D: Rejection
Conclusion	[<input checked="" type="radio"/>] Accept (High priority) [<input type="radio"/>] Accept (General priority) [<input type="radio"/>] Minor revision [<input type="radio"/>] Major revision [<input type="radio"/>] Rejection
Re-review	[<input checked="" type="radio"/>] Yes [<input type="radio"/>] No
Peer-reviewer statements	Peer-Review: [<input type="radio"/>] Anonymous [<input checked="" type="radio"/>] Onymous Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No

SPECIFIC COMMENTS TO AUTHORS

This a timely comprehensive review, I read with great interests. It could have the potential to become an important and high-cited publication. Only one small suggest, it's helpful to include DBS target information in Table 6 and 7

PEER-REVIEW REPORT

Name of journal: World Journal of Psychiatry

Manuscript NO: 65152

Title: Deep brain stimulation for obsessive-compulsive disorder: A systematic review of worldwide experience after 20 years

Reviewer's code: 05531407

Position: Peer Reviewer

Academic degree: FAASLD, PhD

Professional title: Assistant Professor, Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: Spain

Manuscript submission date: 2021-02-28

Reviewer chosen by: AI Technique

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Review time: 26 Days and 22 Hours

Scientific quality	<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
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



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SPECIFIC COMMENTS TO AUTHORS

This systematic review presents the worldwide experience in the use of deep brain stimulation (DBS) in severe resistant patients with Obsessive-Compulsive Disorder (OCD) in the last twenty years, comparing short- (ST) (230 patients) and long-term (LT) response (155 patients). Both ST and LT studies report a similar and stable reduction in severity (47.4%). The authors conclude that DBS is a safe and well-tolerated technique and no clear predictors of response can be established yet. Although the authors should be applauded for collecting and analyzing a large sample of references, the study has some weaknesses which need be addressed before publication: 1, The reasons why perform this review need to be strengthened. You'd better focus on the treatment-refractory OCD including the limitation of medicine and CBT. 2, For the Eligibility criteria 3: The primary outcome was variation in symptoms of OCD measured by the Y-BOCS, please have check whether other scales for the assessment of OCD was used in DBS studies. If have, please added them to your studies. 3, If available, add some statement of imaging studies of DBS for OCD, that is will be interesting. 4, There are so much Y-BOCS data was extracted, why not perform a meta-analysis? 5, Programming was also an important issue for DBS, you can add some information about it. 6, Please polish Figure 1. Please check whether there is overlapped sample for included studies. 7, Nearly all the included sample are adults, is there any study focus on DBS for young patients with OCD. In general, it is a well-written review focus on the DBS for OCD. It confirms the assertion that DBS is a promising therapy for patients with severe resistant OCD, with evidence of efficacy in the ST and LT.