Reviewer’s report

Title: A systematic review for the antidepressant effects of sleep deprivation with repetitive transcranial magnetic stimulation

Version: 0 Date: 28 Aug 2015

Reviewer: Tonmoy Biswas

Reviewer's report:

The article is based on therapy for depression, which is a very important area of research. It will be helpful for the fellow scientists and physicians. But I have some suggestions regarding it.

The abstract is well written but need to be more sophisticated. Introduction is appreciable and self-explanatory.

The methodology section stated that there were no specific protocols. But for significant publication response, you need to have a protocol.

You need to show justification for the used timeline, 1985 to 2015.

In selection criteria, You could also exclude any pseudo-depression, history of hysteria or mania, alcoholics, ACTH hormonal abnormality, any hormonal impairment, congenital anomalies, and intake of any anti-depressants. Please clarify your second exclusion criteria.

At the end of the assessment of bias, the articles with unclear bias could be eliminated.

In outcome measures, please elaborate the calculation procedure of HRSD scores.

Didn't you need to contact with the corresponding authors of the selected articles? If yes, please mention it within the methodology.

Please elaborate the use of CGI scale and BfS scale and add a reference to it.

The result section is in an organized manner. But, you need to focus all the significant outcomes and compare those with previous articles in the discussion. The discussion needs to have more comparison with previous articles.

In conclusion, you stated <...including those who are medication-resistant >. Please mention the type/name of the medications to which they were resistant.

Try to add some more references. The referencing is good. Please double-check the reference no 7, 13, 27, 42, 47, and 54 which was found invalid by BMC online editorial manager system.

It's my pleasure to review such an important scientific article. Thank you.
Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

No

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

No

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I recommend additional statistical review

Quality of written English
Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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