Reviewer’s report

Title: Photobiomodulation using Low-Level Laser Therapy (LLLT) for patients with chronic Traumatic Brain Injury: a randomized controlled trial study protocol

Version: 0 Date: 27 Sep 2017

Reviewer: Wenbin Fu

Reviewer’s report:

This manuscript is a study protocol for evaluating the efficacy of transcranial light therapy for traumatic brain injury, this study is designed as an inactive optical device RCTs. Due to a poor study design and vague statistical analysis, this manuscript is not suitable for publishing in this journal.

1. Please, rewrite the protocol following the SPIRIT advice and add a sentence specifying that the final report will following the CONSORT 2010 guideline.

2. The sample size is not enough, and in the sample size calculation part, too little data was provided to figure out the sample size, please explain your pilot study in detail.

3. Patients inclusion/exclusion criteria and Blind is also unclear. Especially in the inclusion section, only used Glasgow Coma Scale as criteria. It is too premature. Which type of TBI involved in the trial should clear? Open or close? The cognitive status should also considerate.

4. Discussion section is too naïve.

I'm sorry to tell you that your scientific reasoning is poor, I recommend you to redraft the new manuscript.

Level of interest
Please indicate how interesting you found the manuscript:

An article whose findings are important to those with closely related research interests

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

Acceptable

Quality of figures
All images and figures within the manuscript should be genuine i.e. without evidence of manipulation. No specific feature within an image may be enhanced, obscured, moved, removed, or introduced. If you have concerns about the veracity of the figures you should choose the first option below.
Statistical review
Is it essential that this manuscript is seen by an expert statistician? If so, please give your reasons in your report.

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