Reviewer's report

Title: Repetitive Transcranial Magnetic Stimulation (rTMS) for the cognitive rehabilitation of Traumatic Brain Injury (TBI) victims: study protocol for a randomized controlled trial.

Version: 1 Date: 6 July 2015

Reviewer: Erik Cobo

Reviewer's report:

I read the trial paper Iuri Santana Neville, et al. about rTMB for TBI trial, and I think it deserves publication in Trials.

- Major Compulsory Revisions

Please, add a sentence specifying that the final report will follow the main CONSORT guideline as well as its extension to non-pharmacological interventions.

Please, justify the reasons for choosing the effect size (1 sigma) for the sample rationale.

To guarantee replicability and to avoid outcome selective reporting, please add a sentence clarifying that a fully specified statistical analysis plan will be written before unmasking.

Please, add a sentence clarifying that analysis will be based on “as randomized” patients. In order to avoid risks of needing a PP definition and to minimize attrition, please consider the advice at:

- Minor essential Revisions

Please, consider improving your power by adjusting for baselines in the final analysis (see, for example, chapter 7 in “Statistical Issues in Drug Development”, by Stephen Senn, Ed Wiley).

- Discretionary revisions

Please, consider changing in P1 L12 ‘...goal was to conduct a high-quality study protocol to...' by ‘...goal is to...' since I assume it stills the aim and 'high quality study' is more a method than an objective.

Please, consider deleting ‘paired’ in P9 L6. Otherwise, please specify the link between the cases from the two coil groups.

Please, in order to prepare future report will adhere to Consort, please consider checking that this protocol paper adheres to SPIRIT.

My best wishes for the next phases of your meritorious work.

Erik Cobo
**Level of interest:** An article of importance in its field

**Quality of written English:** Acceptable

**Statistical review:** Yes, and I have assessed the statistics in my report.

**Declaration of competing interests:**

I declare that I have no competing interests