

OPEN PEER REVIEW REPORT 1

Name of journal: Neural Regeneration Research

Manuscript NO: NRR-D-20-00201

Title: Repetitive transcranial magnetic stimulation for lower extremity motor function in patients

with stroke: systematic review and network meta-analysis

Reviewer's Name: Kamal Arya Reviewer's country: India

COMMENTS TO AUTHORS

Section	Comments		
Title	Clarify as per the objective of the study		
Abstract	 Background should be revised for language and key issue related to the objective. For instance, <i>The optimal stroke were unknown</i> should be in present tense The objective is not as per the tile of the study. There is no mention of comparison of type of rTMS (low/high frequency) in the title. The author should clarify the main objective of the study. Results should indicate the number of the studies 		
Introduction	 Introduction lacks the expression of the previous systematic reviews on this topic (such as <i>Ghayour-Najafabadi M et al 2019, Tung YC et al 2019, Li Y et al 2018)</i>. Why this review is needed? When other systematic review / meta-analysis provided limited / insufficient evidence for rTMS, justify the purpose of present study. The approach and justification for this Network metaanalysis should also be mentioned Mechanism of action and difference between the type of rTMS (Deep, high-frequency, low-frequency, and intermittent theta-burst rTMS) should be mentioned. Introduction is weak to comprehensively cover the background problem, existing reviews, objective, rationale, and novelty. 		
Methods	 Stroke diagnostic criteria should be as per WHO Language need revision at many places Eligibility criteria should be clearly mentioned in PICO format There are multiple primary outcome measures. The primary measure should only be one or two. Rest other should be secondary measures. The primary measure should be mentioned in conceptual form (motor recovery of lower limb), then about the specific measure use to examine the same. Consider the title / main objective (lower limb function) to decide the primary measure Unlike the main text, in abstract only FMA has been mention as primary measure. This needs to be same at both the places Was there any data collection form used? Study selection: How the consensus was reached between the two authors? Was there any third investigator to resolve the issue? In view of one or two primary measures, the heterogeneity of the studies 		

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Results	The first paragraph (study selection) has redundant information from the		
	figure 1. Revise the same.		
	• In view of one or two primary measures, the heterogeneity of the studies		
	should be reconsidered and reanalyzed.		
	 Number of studies based on the type of rTMS (Deep, high-frequency, 		
	low-frequency, and intermittent theta-burst rTMS) should be briefly		
	mentioned.		
Discussion	Other systematic reviews need to be properly discussed in the light of		
	findings of the present study		
	 Discussion needs to be expanded for comprehensively explaining the 		
	findings		
	Should be modified as per the reanalysis suggested above		
Conclusion	Be specific for sufficient or insufficient evidence; avoid phrases can		
	probably.		
	Last two lines does not justify the need of present network meta-analysis		
General	It seems the present review has not been registered prospectively with any of		
	the database such as PROSPERO. If not registered, it raises the question for		
	acceptance of the manuscript.		
	 Multiple types of rTMS and multiple types of outcome measures from 		
	multiple studies raise the question for the generazibility of the study.		
Figure 1	Edit redundant information		
Table 1	Avoid using word <i>hemiplegia</i> ; prefer <i>hemiparesis</i> (mild/moderate/severe)		