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学位論文題名	Rehabilitation interventions of unilateral spatial neglect based on the functional outcome measure: a systematic review and meta-analysis 機能的アウトカム尺度に基づく半側空間無視のリハビリテーション介入：システマティックレビューとメタアナリシス
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【論文の内容の要旨】

This review aimed to examine the bottom-up and top-down rehabilitation intervention effectiveness based on the functional outcome measure as immediate effect and long-term effect for unilateral spatial neglect conditions. The RCT studies were collected by searching in three databases J-Stage, PubMed, and PEDro from 2008 through 2018. The studies which used the following instruments: BI, CBS, FMA, and FIM, as the functional outcome with the PEDro score of six and above, were eligible for inclusion. A total of 492 participants in 13 studies included from 291 studies initially identified. The meta-analysis for overall ES revealed that BI and CBS had a significant mean of SMD=0.65 (95% CI, 0.23 to 1.07; p=0.003; I2=65%), and SMD=-0.23 (95% CI, -0.45 to -0.01; p=0.04; I2=35%) respectively, while FMA and FIM had an insignificant mean of SMD=0.14 (95% CI, -0.08 to 0.37; p=0.22; I2=0%), and SMD=-0.22 (95% CI, -0.69 to 0.25; p=0.37; I2=0%) respectively. Based on the results, although indicated the heterogeneity representation across studies, it showed that the top-down intervention approach of high-frequency rTMS was more effective in enhancing the functional abilities and ADL of unilateral spatial neglect patients on the immediate effects but not necessarily in the long-term effects.

Keywords: Unilateral spatial neglect, rehabilitation, physiotherapy, functional outcome measure, systematic review