INPLASY PROTOCOL

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Review Stage at time of this submission: Preliminary searches.

Conflicts of interest:
None declared.

Effect of electric stimulation on patients with facial paralysis: A systematic review and Meta-analysis of randomized controlled trials

Zhao, J[1]; An, Y[2]; Yan, H[3]; Zhang, T[4]; Yan, J[5].

Review question / Objective: To investigate the effectiveness of electric stimulation on patients with facial paralysis through a systematic review and meta-analysis.
Condition being studied: P: facial paralysis; I: electric stimulation; C: clinical routine treatment; O: total clinical effectiveness, House-Brackmann scale (HBN) and Portmann scale; S:RCT.
Information sources: PubMed; the Cochrane Library; Embase; SinoMed; WanFang Data; Vip; China National Knowledge Infrastructure databases.

INPLASY registration number: This protocol was registered with the International Platform of Registered Systematic Review and Meta-Analysis Protocols (INPLASY) on 05 January 2022 and was last updated on 05 January 2022 (registration number INPLASY202210016).

INTRODUCTION

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METHODS

Participant or population: Who have been diagnosed with facial paralysis.

Intervention: Electric Stimulation.

Comparator: Clinical Routine Treatment.

Study designs to be included: RCT.

Eligibility criteria: Diagnostic criteria for facial paralysis in Neurology

Information sources: PubMed; the Cochrane Library; Embase; SinoMed; WanFang Data; Vip; China National Knowledge Infrastructure databases.

Main outcome(s): Total clinical effectiveness; House-Brackmann scale (HBN) ; Portmann scale.

Quality assessment / Risk of bias analysis: Cochrane Collaboration tools.

Strategy of data synthesis: Cochran's Q and I2 statistics were used to assess the heterogeneity between studies. This study defined p>0.1 and I2<50% as being of no significant heterogeneity, and fixed effects models were used for the meta-analysis. By applying sensitivity analysis to explore possible sources of Heterogeneity.

Subgroup analysis: Subgroup analysis was made according to course of disease, condition of disease, age, sex, intervention mode and so on.

Sensitivity analysis: These studies were removed one by one to examine the impact of individual studies on overall estimates and to assess the stability of pooled results.

Country(ies) involved: China.

Keywords: electric stimulation; facial paralysis; House-Brackmann scale; Portmann scale; meta-analysis.

Contributions of each author:
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