INPLASY PROTOCOL

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None declared.

Effectiveness of Different Nutritional Methods for Post-stroke dysphagia: An Updated Systematic Review and Meta-analysis

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Review question / Objective: **Post-stroke Dysphagia seriously affects people's quality of life, among which malnutrition and pulmonary infection are the most common complications of post-stroke Dysphagia. At this point, it is very important to choose the right auxiliary feeding mode. The purpose of this meta-analysis was to study the prognosis of patients with dysphagia after stroke who chose different nutritional methods.**
Information sources: **We searched the Cochrane Library, PubMed, Medline, China National Knowledge Infrastructure (CNKI), Wanfang, and the VIP database.**

INPLASY registration number: This protocol was registered with the International Platform of Registered Systematic Review and Meta-Analysis Protocols (INPLASY) on 06 February 2022 and was last updated on 06 February 2022 (registration number INPLASY202220014).

INTRODUCTION

Review question / Objective: **Post-stroke Dysphagia seriously affects people's quality of life, among which malnutrition and pulmonary infection are the most common complications of post-stroke Dysphagia. At this point, it is very important to choose the right auxiliary feeding mode. The purpose of this meta-analysis was to study the prognosis of patients with dysphagia after stroke who chose different nutritional methods.**

Condition being studied: **Effectiveness of Different Nutritional Methods for Post-**

stroke dysphagia. This study has 2 associate senior title or above staff, 1 doctoral graduate and 1 master student, all of whom have high abilities in literature retrieval, reading and content extraction.

METHODS

Participant or population: Patients with dysphagia after stroke (1115).

Intervention: A mode of supplementary nutrition.

Comparator: Different assisted feeding modes from the intervention group.

Study designs to be included: RCTs.

Eligibility criteria: According to the imaging data (brain CT or MRI) or the relevant diagnostic criteria mentioned in the article.

Information sources: We searched the Cochrane Library, PubMed, Medline, China National Knowledge Infrastructure (CNKI), Wanfang, and the VIP database.

Main outcome(s): Nutritional indexes (Hb,Alb levels), pulmonary infection rate, recovery of swallowing function.

Quality assessment / Risk of bias analysis: The Newcastle-Ottawa-Scale (NOS) score was used to evaluate the literature quality. The risk of bias was assessed using the Cochrane instrument.

Strategy of data synthesis: All statistical analyses were performed using RevMan software 5.4 .We considered I2 <30% low statistical heterogeneity, ≥30% to <50% moderate heterogeneity, ≥ 50% to <75% substantial heterogeneity, and ≥75% considerable heterogeneity.

Subgroup analysis: Subgroup analysis has not been considered.

Sensitivity analysis: Sensitivity analysis was performed by RevMan. A sensitivity analysis was also conducted, in which 1 study at a time was removed and the other analyzed estimate whether the results could have been affected markedly by a single study. This analysis confirmed the stability of our results.

Country(ies) involved: China.

Keywords: Stroke, dysphagia, nutritional mode, intermittent oral to esophageal tube feeding, nasal feeding tube, percutaneous endoscopic gastrostomy.

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