

INPLASY

Oral care for post-stroke inpatients with dysphagia – a systematic review

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ADMINISTRATIVE INFORMATION

Support - None.

Review Stage at time of this submission - Risk of bias assessment.

Conflicts of interest - None declared.

INPLASY registration number: INPLASY202470050

Amendments - This protocol was registered with the International Platform of Registered Systematic Review and Meta-Analysis Protocols (INPLASY) on 12 July 2024 and was last updated on 12 July 2024.

INTRODUCTION

Review question / Objective The aim of this study was to systematically review the literature relating to the effectiveness of oral care interventions for inpatients post-stroke with dysphagia.

Condition being studied Oral care for inpatients who are experiencing dysphagia post stroke.

METHODS

Search strategy Searches were conducted in the following electronic databases: Scopus, MEDLINE via Ebsco, Embase, CINAHL Plus and Web of Science (Core Collection). The searches were completed with no publication date limits. All searches were completed by the first author CC on the 18th of September 2023.

Participant or population Inpatients on a dedicated stroke ward diagnosed with dysphagia post-stroke.

Intervention Practical or educational interventions involving healthcare staff working in stroke wards.

Comparator Usual oral care which is carried out in that stroke ward.

Study designs to be included Published original research.

Eligibility criteria Inclusion criteria:

Study participants who were

- Inpatients in a hospital stroke ward/unit
- Diagnosed with dysphagia post-stroke

Articles that were

- Original research
- In English

Exclusion criteria:

Study participants who were:

- Inpatients in a general medical or surgical ward
- Community dwelling adults or those living in nursing home or residential care

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- Diagnosed with dysphagia secondary to another medical condition; not stroke
- Articles that were:
- Review articles
 - Not available in the English language
 - Grey literature.

Author 4 - Gerald McKenna.
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Information sources Electronic databases: Scopus, MEDLINE via Ebsco, Embase, CINAHL Plus and Web of Science (Core Collection).

Main outcome(s)

- 1 – Health or oral health-related outcomes
- 2 – Person-related outcomes including quality of life or confidence
- 3 – Staff-related outcomes including knowledge or confidence levels.

Data management Covidence systematic review software (Veritas Health Innovation, Melbourne, Australia) was used for data management.

Quality assessment / Risk of bias analysis An assessment of the risk of bias of included studies will be carried out using the Risk of Bias 2 (RoB 2) tool. Studies will be assessed by two reviewers (CC, NC) independently and results will be combined to collate a consensus report.

Strategy of data synthesis Search results were uploaded and duplicates were removed by Zotero®. Search results were uploaded to Covidence and two investigators (CC, NC) independently screened titles and abstracts for inclusion. Full texts of potential articles were obtained and screened independently for inclusion in the review. The bibliographies of the included studies were hand searched for any studies that may be omitted by the digital searches. Any differences in opinion between the two reviewers were discussed and resolved with a third author (MH).

Subgroup analysis n/a.

Sensitivity analysis n/a.

Country(ies) involved Ireland.

Keywords dysphagia, oral, stroke.

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