

INPLASY

Prevalence of post-stroke depression; a systematic review and meta-analysis

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ADMINISTRATIVE INFORMATION

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Review Stage at time of this submission - Preliminary searches.

Conflicts of interest - None declared.

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Amendments - This protocol was registered with the International Platform of Registered Systematic Review and Meta-Analysis Protocols (INPLASY) on 25 April 2024 and was last updated on 25 April 2024.

INTRODUCTION

Review question / Objective P: adult patients with brain stroke; I: N/A; C: prevalence of depression in stroke and none stroke groups; O: prevalence.

Condition being studied The prevalence (incidence) of depression followed by brain stroke.

METHODS

Search strategy We will search Pubmed based on our PICO as following:

Concept 1:
stroke [tw]
stroke [MeSH]
post-stroke [tw]

concept 2:
depression [tw]
depression [MeSH]

concept 3:
prevalence [tw]
prevalence [MeSH]
incidence [tw]
incidence [MeSH].

Participant or population Adult patients with brain stroke.

Intervention N/A.

Comparator The prevalence or incidence of depression.

Study designs to be included All study designs that report our outcome of interest (OR).

Eligibility criteria We will include all papers regardless of their publication date or language only if they report our main outcome of interest.

Information sources We will search systematically only Pubmed database, but we will review

bibliography of similar review articles as well as contacting authors in case.

Main outcome(s) Odds Ratio [95% CI]; Log rate ratio & standard error.

Additional outcome(s) Prevalence percentage and sample size of all studies that have not reported OR but %.

Quality assessment / Risk of bias analysis Four level grade scoring system.

Strategy of data synthesis We will analyze sum of effect size data (log rate ratio & std. error).

Subgroup analysis We will try to perform subgroup analysis based on genetical, ethnical characteristics of patients, age, follow up period and etc. if possible.

Sensitivity analysis "One study removed" sensitivity analysis will be performed.

Language restriction None.

Country(ies) involved Spain (Balearic Islands University).

Keywords stroke; depression; prevalence.

Contributions of each author

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