

INPLASY PROTOCOL

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Conflicts of interest: No.

The clinical performance of short implants (4-5 mm) in the posterior mandible: a systematic review and meta-analysis of randomized controlled trials

Lin, Z¹.

Review question / Objective: The clinical performance of short implants (4-5 mm) in the posterior mandible: a systematic review and meta-analysis of randomized controlled trials.

Condition being studied: Short implants (4-5 mm) in the posterior mandible.

Information sources: PubMed, EMBASE, the Cochrane Library.

INPLASY registration number: This protocol was registered with the International Platform of Registered Systematic Review and Meta-Analysis Protocols (INPLASY) on 11 June 2020 and was last updated on 11 June 2020 (registration number INPLASY202060039).

INTRODUCTION

Review question / Objective: To estimate the clinical performance of short implants (4-5 mm) in the posterior mandible.

Condition being studied: Short implants (4-5 mm) in the posterior mandible.

METHODS

Participant or population: Residual bone height is not sufficient in the posterior mandible (RBH \leq 7 mm).

Intervention: Patients received splinted short implants (4-5 mm) in the posterior mandible.

Comparator: Patients underwent the vertical bone augmentation and received splinted conventional implants (≥ 10 mm) after six months.

Study designs to be included: Randomized controlled trials.

Eligibility criteria: Human studies.

Information sources: PubMed, EMBASE, the Cochrane Library.

Main outcome(s): The outcome were the survival rate and the marginal bone loss.

Quality assessment / Risk of bias analysis: The Cochrane tool.

Strategy of data synthesis: Risk ratio and its 95% confidence.

Subgroup analysis: Implant length.

Sensibility analysis: Implant length.

Country(ies) involved: China.

Keywords: Dental implant; Short implant; Systematic review.

Contributions of each author:

Author 1 - Zhezhen Lin.