

INPLASY

Clinical evaluation of the Socket Shield technique in the aesthetic zone: systematic review and protocol proposal

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ADMINISTRATIVE INFORMATION

Support - King Khalid University.

Review Stage at time of this submission - Preliminary searches.

Conflicts of interest - None declared.

INPLASY registration number: INPLASY2025110081

Amendments - This protocol was registered with the International Platform of Registered Systematic Review and Meta-Analysis Protocols (INPLASY) on 25 November 2025 and was last updated on 25 November 2025.

INTRODUCTION

Review question / Objective What is the success of the Socket Shield Technique applied to immediate implant in the essthetic zone of the nterior maxilla?

Condition being studied Immediate implant placement in the aesthetic zone of maxilla using SST.

METHODS

Participant or population Patients undergoing Immediate implant placement in the aesthetic zone of maxilla using SST.

Intervention Skoket shield technique in immediate implant placement.

Comparator Immediate implants without SST or conventional alveolar preservation techniques.

Study designs to be included Systematic review and meta anslysis.

Eligibility criteria Original studies, including randomized and non-randomized controlled trials Case series Studies published between October 2020 and October 2025 that met the inclusion and exclusion criteria.

Information sources PubMed, Scopus, Web of Science.

Main outcome(s) Implant success rate and rate of complications.

Quality assessment / Risk of bias analysis Depend on the types of the retrieved studies. The qulity assemnmet of the stuiies were performed to identify the level of the strength of the scientific evisnce and poit out the ares of bias rik. The randmized clinical trials were evalusted using the RoB 2 for RCTs, ROBINS I for the cohort, and

Joanna Brigg Institute (JBI) for the case series studies.

Strategy of data synthesis According to predefined criteria such as, author and year, study design, age of participants, sample size, method of bruxism management, comparison management, type of bruxism treated, and treatment outcome.

Subgroup analysis Meta-analysis for the homogenous studies.

Sensitivity analysis None.

Language restriction No.

Country(ies) involved KSA, Spain.

Keywords Esthetic zone, immediate implant placement, socket shield technique, maxilla.

Contributions of each author

Author 1 - Hassan Assiri.

Author 2 - Jose Merino.

Author 3 - Elham Alqassim.

Author 4 - Sonia Egido-Moreno.

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