INPLASY

Early class III treatments in orthodontics

INPLASY202420119
doi: 10.37766/inplasy2024.2.0119
Received: 29 February 2024
Published: 29 February 2024

Rusu, A[1]; Zubizarreta, A[2].

Corresponding author:
Andrei Rusu

arusu@live.fr

Author Affiliation:
Universidad Alfonso X El Sabio.

ADMINISTRATIVE INFORMATION

Support - None.

Review Stage at time of this submission - Preliminary searches.

Conflicts of interest - None declared.

INPLASY registration number: INPLASY202420119

Amendments - This protocol was registered with the International Platform of Registered Systematic Review and Meta-Analysis Protocols (INPLASY) on 29 February 2024 and was last updated on 29 February 2024.

INTRODUCTION

Review question / Objective P -> Patients with class III malocclusions I-> Class III maocclusions treatment review C-> We compare efficiency rates and applications of each treatment possibility O -> We expect differences in the efficacy rates depending of the method/ Appliance used.

Condition being studied The condition being studied are the devices used in order to correct class 3 malocclusions.

METHODS

Search strategy Use 3 databases to search the most actualizaed articles related to Class III treatement in orthodontics. Extract the information to define guidelines to treat early cases of this malocclusion. Databases are Pubmed, Scopus and Web os science.

Participant or population Minor class III patients in growth stage.

Intervention Appliances used to treat the class 3 patients.

Comparator The different types of treatments available to treat class 3 malocclusions.

Study designs to be included Randomized clinical trials.

Eligibility criteria Aleatorized clinical trials preferencially.

Information sources Electronic databases (Pubmed, Scopus, Web of science). No contact with any author. No grey litterature use.

Main outcome(s) Find out the best method to treat class 3 patients.

Data management Excel table will be used.

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Quality assessment / Risk of bias analysis Assessement using the Trim and Fill method.

Strategy of data synthesis The groups will be compares using the random effects method. Effect size by ODDs ratio. Heeterogeneity through the Q and I2 test. Sensitivity through one study removed.

Subgroup analysis Not required.

Sensitivity analysis One study removed.

Language restriction No language restriction will be applied to this search.

Country(ies) involved The study is carried out in Spain.

Keywords Skeletal class III; Interceptive; orthodontics; malocclusions; orthopedics.

Contributions of each author

Author 1 - Andrei Rusu - Author 1 drafted the manuscript.
Email: arusu@lmyuax.com
Author 2 - Alvaro Zubizarreta - In charge of the logistical part of the publication and coordination of the project.
Email: amacho@uax.es

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