

INPLASY

UPDATE ON THE TYPES OF CLASSIFICATION OF COMPLEX ACETABULAR FRACTURES WITH INVOLVEMENT OF THE QUADRILATERAL LAMINA: SYSTEMATIC REVIEW

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ADMINISTRATIVE INFORMATION

Support - Own financing.

Review Stage at time of this submission - Piloting of the study selection process.

Conflicts of interest - None declared.

INPLASY registration number: INPLASY2024100093

Amendments - This protocol was registered with the International Platform of Registered Systematic Review and Meta-Analysis Protocols (INPLASY) on 22 October 2024 and was last updated on 22 October 2024.

INTRODUCTION

Review question / Objective To perform a systematic review of the classification types for complex acetabular fractures with involvement of the quadrilateral plate available in the literature.

Condition being studied Complex acetabular fractures with quadrilateral plate involvement.

METHODS

Participant or population Data from adult patients with acetabular fracture.

Intervention Not applicable.

Comparator Not applicable.

Study designs to be included Randomized Clinical Trial, Meta-Analysis; Systematic Reviews; Coorte.

Eligibility criteria

- Direct relevance to the topic of interest;
- Publication in indexed scientific journals;
- Study design according to selection filter;
- Conducting research on human beings.

Information sources Electronic databases, contact with authors, trial registers, or gray literature will be used. PUBMED; EMBASE; Web Of Science; SCOPUS e ClinicalTrials.gov.

Main outcome(s) According to the search strategy, 264 studies were found on the search platforms with the aforementioned descriptors, which were again evaluated according to duplication in the databases, their design and relevance according to the study type filters and inclusion criteria. There was a very strong correlation between the searches of the two researchers ($k=0.895$). In the end, 21 studies remained; after individual reading and in accordance with the theme, 16 studies were included.

Quality assessment / Risk of bias analysis

Studies that presented methodologies considered to be of low reliability through assessment on the PEDro scale for RCTs, and described as having a high potential risk of bias on the ROBIS scale for meta-analyses and ROBINS-I for non-randomized studies were excluded.

Strategy of data synthesis This research was guided by the PRISMA 2020 Guidelines.

Subgroup analysis After screening the studies, reviewers independently made final decisions on inclusion and exclusion according to the eligibility criteria.

Sensitivity analysis Sensitivity was assessed statistically.

Language restriction There will be no language restriction.

Country(ies) involved Brazil.

Keywords Quadrilateral plate; Acetabular fracture; classification.

Contributions of each author

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