

INPLASY PROTOCOL

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Review Stage at time of this submission: Formal screening of search results against eligibility criteria.

Conflicts of interest:
None declared.

Platelet-Rich Plasma combined core decompression for treatment of osteonecrosis of the femoral head: A meta-analysis

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Review question / Objective: The aim of this study was to accomplish a systematic review and meta-analysis to explore the efficacy of Platelet-Rich Plasma combined core decompression for treatment of ONFH patients.

Condition being studied: Osteonecrosis of the femoral head.

Eligibility criteria: (1) randomized controlled trial; (2) patients diagnosed with osteonecrosis of the femoral head; (3) the intervention was experimental groups receiving Platelet-Rich Plasma combined core decompression for the treatment of ONFH and control groups with core decompression treatment.

INPLASY registration number: This protocol was registered with the International Platform of Registered Systematic Review and Meta-Analysis Protocols (INPLASY) on 27 November 2021 and was last updated on 27 November 2021 (registration number INPLASY2021110098).

INTRODUCTION

Review question / Objective: The aim of this study was to accomplish a systematic review and meta-analysis to explore the efficacy of Platelet-Rich Plasma combined core decompression for treatment of ONFH patients.

Condition being studied: Osteonecrosis of the femoral head.

METHODS

Search strategy: (Platelet-Rich Plasma OR Platelet Rich Plasma OR Plasma OR

Plasma, Platelet-Rich) AND (osteonecrosis OR avascular necrosis OR necrosis OR aseptic necrosis) AND (hip OR femoral head).

Participant or population: Patients with osteonecrosis of the femoral head.

Intervention: Platelet-Rich Plasma combined core decompression.

Comparator: Core decompression alone.

Study designs to be included: Randomized controlled trial.

Eligibility criteria: (1) randomized controlled trial; (2) patients diagnosed with osteonecrosis of the femoral head; (3) the intervention was experimental groups receiving Platelet-Rich Plasma combined core decompression for the treatment of ONFH and control groups with core decompression treatment.

Information sources: CNKI, WanFang, VIP, CBM, Web of Science, PubMed, EMBASE and Cochrane Library.

Main outcome(s): Outcomes: VAS scores at 6 months and 12 months; Harris scores at 6 months and 12 months; Radiological success; Clinical success; Adverse events.

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

Subgroup analysis: None.

Sensitivity analysis: None.

Country(ies) involved: China.

Keywords: Platelet-Rich Plasma; core decompression; osteonecrosis of the femoral head; meta-analysis

Contributions of each author:

Author 1 - Qing Zhang.

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