International Platform of Registered Systematic Review and Meta-analysis Protocols

INPLASY

Comparison of Effectiveness of Intra-articular Hyaluronate and Corticosteroid injections in Adhesive Capsulitis

INPLASY202430072
doi: 10.37766/inplasy2024.3.0072
Received: 16 March 2024
Published: 16 March 2024

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ADMINISTRATIVE INFORMATION

Support - None.

Review Stage at time of this submission - Completed but not published.

Conflicts of interest - None declared.

INPLASY registration number: INPLASY202430072

Amendments - This protocol was registered with the International Platform of Registered Systematic Review and Meta-Analysis Protocols (INPLASY) on 16 March 2024 and was last updated on 16 March 2024.

INTRODUCTION

Review question / Objective This study is to compare the treatment outcomes of intra-articular hyaluronic acid and corticosteroid injections, common therapeutic options for adhesive capsulitis of the shoulder.

Condition being studied In previous studies, it has been demonstrated that intra-articular injections of hyaluronic acid and corticosteroids demonstrate efficacy in alleviating pain and enhancing functionality among patients diagnosed with adhesive capsulitis. However, clinicians often lack sufficient knowledge to comprehensively compare the effects of hyaluronic acid and corticosteroids.

METHODS

Participant or population Patients with adhesive capsulitis of the shoulder.

Intervention Intra-articular hyaluronic acid injection.

Comparator Intra-articular corticosteroid injection.

Study designs to be included Randomized controlled trial.

Eligibility criteria The study assessed pain levels, shoulder functionality, and range of motion (ROM) in patients diagnosed with adhesive capsulitis of the shoulder who underwent intra-articular injections of hyaluronic acid and corticosteroids.

Information sources PubMed, Embase, Cochrane Library, KMbase and Scopus.

Main outcome(s) Range of motion, pain or shoulder function.

Quality assessment / Risk of bias analysis The risk of bias in RCTs was assessed using the criteria

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described in the Cochrane Collaboration's Handbook.

Strategy of data synthesis After removing duplicate papers, two reviewers independently assessed potentially eligible studies. the papers were reviewed for eligibility based on their titles, abstracts and full texts, with any differences in opinion resolved through authors consensus.

Subgroup analysis Not applicable.

Sensitivity analysis Not applicable.

Country(ies) involved Republic of Korea.

Keywords Shoulder, Hyaluronic acid, Corticosteroid, Adhesive capsulitis, Injection, Pain, Function, Meta-analysis.

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