

INPLASY PROTOCOL

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Review Stage at time of this submission: The review has not yet started.

Conflicts of interest:
None declared.

Extracorporeal Shockwave Therapy in Treating Chronic Plantar Fasciitis: an Overview of Systematic Reviews

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Review question / Objective: The aim of the current study was to identify and summarize the existing evidence of the effectiveness of extracorporeal shockwave therapy in patients with chronic plantar fasciitis.

Condition being studied: Previous systematic reviews have assessed the effectiveness of extracorporeal shockwave therapy in treating chronic plantar fasciitis, but with uneven quality and inconsistent findings.

Information sources: PubMed, Cochrane Library, Web of Knowledge, Embase, MEDLINE, Chinese National Knowledge Infrastructure Database, the Chongqing VIP Database, Chinese Biomedical Database, and Wanfang Database were searched from inception to 1st February 2021 by both reviewers independently, and any inconsistencies were resolved through consensus or by consulting a third reviewer.

INPLASY registration number: This protocol was registered with the International Platform of Registered Systematic Review and Meta-Analysis Protocols (INPLASY) on 01 April 2021 and was last updated on 01 April 2021 (registration number INPLASY202140003).

INTRODUCTION

Review question / Objective: The aim of the current study was to identify and summarize the existing evidence of the effectiveness of extracorporeal shockwave therapy in patients with chronic plantar fasciitis.

Condition being studied: Previous systematic reviews have assessed the effectiveness of extracorporeal shockwave therapy in treating chronic plantar fasciitis, but with uneven quality and inconsistent findings.

METHODS

Search strategy: PubMed, Cochrane Library, Web of Knowledge, Embase, MEDLINE, Chinese National Knowledge Infrastructure Database, the Chongqing VIP Database, Chinese Biomedical Database, and Wanfang Database were searched from inception to 1st February 2021.

Participant or population: Patients with CPF.

Intervention: Extracorporeal shockwave therapy.

Comparator: Conventional treatment.

Study designs to be included: All systematic reviews (SRs) based on randomized controlled trials (RCTs).

Eligibility criteria: The inclusion criteria are designed and implemented strictly in accordance with the PICOS framework.

Information sources: PubMed, Cochrane Library, Web of Knowledge, Embase, MEDLINE, Chinese National Knowledge Infrastructure Database, the Chongqing VIP Database, Chinese Biomedical Database, and Wanfang Database were searched from inception to 1st February 2021 by both reviewers independently, and any inconsistencies were resolved through consensus or by consulting a third reviewer.

Main outcome(s): Success rate (improving degree of pain beyond 50%); Visual Analogue Scale/Score (VAS scores).

Additional outcome(s): (b) Roles and Maudsley score (RM scores); adverse events.

Quality assessment / Risk of bias analysis: AMSTAR-2 tool was used to assess the methodological quality. ROBIS evaluation tool was used to judge the bias risk of each systematic review. PRISMA checklist was used to evaluate the integrity of systematic reviews. GRADE Scoring Two reviewers

independently evaluated the quality of evidence.

Strategy of data synthesis: A narrative synthesis is planned with a quantitative description of each systematic reviews pooled effect sizes (no further meta-analysis).

Subgroup analysis: No.

Sensitivity analysis: No.

Language: No restriction.

Country(ies) involved: China.

Keywords: extracorporeal shockwave; plantar fasciitis; overview; AMSTAR-2; PRISMA; ROBIS; GRADE.

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