

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 2026

Comparative efficacy of corticosteroid injections versus laser therapy in patients with plantar fasciitis attending to Imam Hossein hospital in 2017

Protocol summary

Study aim

Comparative efficacy of corticosteroid injections versus laser therapy in patients with plantar fasciitis attending to Imam Hossein hospital in 2017

Design

This clinical trial study was conducted in 50 patients with plantar fasciitis. This study was conducted with parallel groups, without blindness, and randomized with simple random sampling and in Phase 3 trials.

Settings and conduct

This study is a randomized clinical trial. And among patients with plantar fasciitis referred to orthopedic clinic of Imam Hossein Shahrood Hospital in 96 and 97 years. And this study is without blindness.

Participants/Inclusion and exclusion criteria

inclusion criteria: All patients with Plantar Fasciitis
exclusion criteria: History of diabetes mellitus disease, History of any type of fracture, Congenital deformity history

Intervention groups

Intervention group: Low-power laser therapy is performed under 10 sessions. Control group: Injection of methylprednisolone 40 mg at the site of the lesion (maximum heel pain).

Main outcome variables

Pain score

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20180101038180N1**
Registration date: **2018-03-04, 1396/12/13**
Registration timing: **registered_while_recruiting**

Last update: **2018-03-04, 1396/12/13**

Update count: **0**

Registration date

2018-03-04, 1396/12/13

Registrant information

Name

Hamidreza Azarnia

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

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Email address

azarnia@shmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2017-11-08, 1396/08/17

Expected recruitment end date

2018-03-21, 1397/01/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparative efficacy of corticosteroid injections versus laser therapy in patients with plantar fasciitis attending to Imam Hossein hospital in 2017

Public title

Comparative efficacy of corticosteroid injections versus laser therapy in patients with plantar fasciitis attending

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

All patients with Plantar Fasciitis

Exclusion criteria:
History of diabetes mellitus disease History of any type of fracture Congenital deformity history

Age
No age limit

Gender
Both

Phase
3

Groups that have been masked
No information

Sample size
Target sample size: **50**

Randomization (investigator's opinion)
Randomized

Randomization description
The randomization method is simple and each person is randomly assigned to one of the treatment groups.

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of Islamic Azad University Shahroud Branch

Street address

Islamic Azad University of Shahroud Branch,
University Blvd, Shahrud

City

Shahroud

Province

Semnan

Postal code

4318936199

Approval date

2017-11-07, 1396/08/16

Ethics committee reference number

IR.IAU.SHAHROOD.REC.1396.31

Health conditions studied

1

Description of health condition studied

plantar fasciitis

ICD-10 code

M72.2

ICD-10 code description

Plantar fascial fibromatosis

Primary outcomes

1

Description

Pain score

Timepoint

At the beginning of the intervention (before the intervention) and 6 weeks after the end of the treatment

Method of measurement

Visual Analogue Scale

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: Low-power laser therapy is performed under 10 sessions.

Category

Treatment - Other

2

Description

Control group: Injection of methylprednisolone 40 mg at the site of the lesion (maximum heel pain).

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Shahroud Imam Hussein Hospital

Full name of responsible person

Mahdiyeh Malvandi

Street address

Ayatollah Tohidi Street, Imam Street, Shahroud

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Islamic Azad University

Full name of responsible person

Sahebali Manafi

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Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Islamic Azad University

Proportion provided by this source

100

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin**Type of organization providing the funding**

Academic

Person responsible for general inquiries

Contact**Name of organization / entity**

Islamic Azad University

Full name of responsible person

Mahdiyeh Malvandi

Position

Medical Student

Latest degree

Medical doctor

Other areas of specialty/work

General Practitioner

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Person responsible for scientific inquiries

Contact**Name of organization / entity**

Islamic Azad University

Full name of responsible person

Roozbeh Taghavi

Position

Assistant Professor

Latest degree

Specialist

Other areas of specialty/work

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Person responsible for updating data

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Position

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Latest degree

Medical doctor

Other areas of specialty/work

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Undecided - It is not yet known if there will be a plan to make this available

Study Protocol

Undecided - It is not yet known if there will be a plan to make this available

Statistical Analysis Plan

Undecided - It is not yet known if there will be a plan to make this available

Informed Consent Form

Undecided - It is not yet known if there will be a plan to make this available

Clinical Study Report

Undecided - It is not yet known if there will be a plan to make this available

Analytic Code

Undecided - It is not yet known if there will be a plan to make this available

Data Dictionary

Undecided - It is not yet known if there will be a plan to make this available