

Clinical Trial Protocol

Iranian Registry of Clinical Trials

21 Jul 2026

Effect of motion control shoes on lower limb joints kinetics in runners with pronated foot during running before and after fatigue

Protocol summary

Study aim

The effect of motion control shoes on lower limb joints kinetics in runners with pronated foot during running before and after fatigue

Design

A clinical trial Without control group, Non-randomized

Settings and conduct

The research experiments will be done in biomechanics laboratory of the University of Mazandaran, This study has double blind design (Including participants and researchers).

Participants/Inclusion and exclusion criteria

Inclusion criteria: Runners with pronated foot Exclusion criteria: Lack of injury or surgery history

Intervention groups

Using motion control shoes

Main outcome variables

Joint kinetics

Country

Iran (Islamic Republic of)

Phone

+98 45 3351 0903

Email address

a.jafarnezhad@uma.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2018-04-05, 1397/01/16

Expected recruitment end date

2018-04-09, 1397/01/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20170806035517N2**

Registration date: **2018-06-08, 1397/03/18**

Registration timing: **retrospective**

Last update: **2018-06-08, 1397/03/18**

Update count: **0**

Registration date

2018-06-08, 1397/03/18

Registrant information

Name

AmirAli Jafarnezhadgero

Name of organization / entity

University of Mohaghegh Ardabili

Scientific title

Effect of motion control shoes on lower limb joints kinetics in runners with pronated foot during running before and after fatigue

Public title

Effect of motion control shoes on in runners with pronated foot

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria:

Runner pronated foot

Exclusion criteria:

History of injury history of surgery

Age

No age limit

Gender

Female

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: 25

Randomization (investigator's opinion)
N/A

Randomization description

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Not used

Assignment
Single

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Ardabil University of Medical Sciences

Street address
University street

City
Ardabil

Province
Ardabil

Postal code
85991-56189

Approval date
2017-11-04, 1396/08/13

Ethics committee reference number
IR.ARUMS.REC.1396.135

Health conditions studied

1

Description of health condition studied
Flat foot

ICD-10 code
M21.4

ICD-10 code description
Flat foot [pes planus] (acquired)

Primary outcomes

1

Description
Joints kinematic

Timepoint
Before and after fatigue protocol

Method of measurement

By using of motion analysis system and forceplatforms

Secondary outcomes

1

Description
Height of medial arch of the foot

Timepoint
Before and after fatigue protocol

Method of measurement
ruler

Intervention groups

1

Description
motion control shoes

Category
Treatment - Devices

2

Description
Intervention group: Control shoes

Category
Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center
Babolsar city

Full name of responsible person
AmirAli Jafarnezhadgero

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
University of Mohaghegh Ardabili

Full name of responsible person
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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

University of Mohaghegh Ardabili

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

University of Mohaghegh Ardabili

Full name of responsible person

AmirAli Jafarnezhadgero

Position

University master

Latest degree

Ph.D.

Other areas of specialty/work

Sport Biomechanics

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Person responsible for updating data

Contact

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Full name of responsible person

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Position

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Yes - There is a plan to make this available

Study Protocol

Yes - There is a plan to make this available

Statistical Analysis Plan

Yes - There is a plan to make this available

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

Yes - There is a plan to make this available

Analytic Code

Yes - There is a plan to make this available

Data Dictionary

Yes - There is a plan to make this available
Title and more details about the data/document
By e-mail
When the data will become available and for how long
Until one year after data collection
To whom data/document is available
All people

Under which criteria data/document could be used
After manuscripts publication
From where data/document is obtainable
AmirAli Jafarnezhadgero
What processes are involved for a request to access data/document
receiving of corresponding author consent
Comments