

Clinical Trial Protocol

Iranian Registry of Clinical Trials

12 Sep 2026

Evaluation of Passive Shoulder Abduction With and Without Traction in People Who Suffering Shoulder Pain with Subacromial Impingement Syndrome

Protocol summary

Study aim

Comparison of passive shoulder abduction with and without traction in patients who suffering shoulder pain with subacromial impingement syndrome who referred to the sports medicine department of Taleghani Hospital in Tehran in 2021-2022

Design

Clinical trial without control group, not blind, on 50 patients, Randomization does not apply in this study.

Settings and conduct

People with shoulder pain referred to the sports medicine department of Taleghani Hospital in Tehran are examined by a sports medicine specialist, and if at least three of the five tests are positive, they are diagnosed with subacromial shoulder impingement and are included in the study. In the next step, passive shoulder abduction with and without traction is measured for them.

Participants/Inclusion and exclusion criteria

Inclusion criteria: 1. Shoulder pain 2- Age 20 -70 years
Exclusion criteria: 1- Any musculoskeletal disorder of the upper limb that interferes with movement or examination

Intervention groups

People with shoulder pain are examined by a sports medicine specialist, and if at least three of the five tests are positive, they are diagnosed with subacromial shoulder impingement and are included in the study. In the next step, passive shoulder abduction with and without traction is measured for them.

Main outcome variables

Passive shoulder abduction range of motion without pain;
Passive shoulder abduction range of motion with traction without pain

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20201216049730N2**

Registration date: **2021-10-12, 1400/07/20**

Registration timing: **prospective**

Last update: **2021-10-12, 1400/07/20**

Update count: **0**

Registration date

2021-10-12, 1400/07/20

Registrant information

Name

Mohammad Hassabi

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 21 8869 2273

Email address

hassabi@sbmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2021-10-23, 1400/08/01

Expected recruitment end date

2022-03-21, 1401/01/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of Passive Shoulder Abduction With and

Without Traction in People Who Suffering Shoulder Pain with Subacromial Impingement Syndrome

Public title

Passive Shoulder Abduction With and Without Traction and Subacromial Impingement Syndrome

Purpose

Diagnostic

Inclusion/Exclusion criteria

Inclusion criteria:

All patients with shoulder pain Age 20 to 70 years

Exclusion criteria:

Any musculoskeletal disorders of the upper extremities that interfere with movement or examination Reluctance to cooperate

Age

From **20 years** old to **70 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **50**

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

Ethics Committee of Shahid Beheshti University of Medical Sciences

Street address

Shahid Beheshti University of Medical Sciences, Arabi Ave., Yemen St., Tehran, Tehran Province

City

Tehran

Province

Tehran

Postal code

1983969411

Approval date

2021-03-09, 1399/12/19

Ethics committee reference number

IR.SBMU.RETECH.REC.1399.1370

Health conditions studied

1

Description of health condition studied

Subacromial Impingement Syndrome

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Passive shoulder abduction range of motion without pain without traction

Timepoint

After performing initial clinical testes

Method of measurement

by goniometer

2

Description

Passive shoulder abduction range of motion with traction, no pain

Timepoint

After performing initial clinical testes

Method of measurement

by goniometer

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: 50 people who have at least 3 positive tests (out of 5 tests Neer, Hwakin-kennedy, Painfull arc, Empty can, external rotation resistance) and are diagnosed with subacromial impingement syndrome. Then the patient's passive abduction without pain is first examined and the range of painless abduction (until the onset of pain) is measured and recorded by the goniometer in degrees. In the next step, the hand is given a traction and the amplitude of painless passive abduction is measured again by a goniometer.

Category

Diagnosis

Recruitment centers

1

Recruitment center

Name of recruitment center

Ayatollah Taleghani Hospital

Full name of responsible person

Seyedeh Sara Shams

Street address
Arabi Ave, Velenjak, Tehran
City
Tehran
Province
Tehran
Postal code
1985711151
Phone
+98 21 2243 2560
Email
sarashams6990@gmail.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Shahid Beheshti University of Medical Sciences
Full name of responsible person
Seyedeh Sara Shams
Street address
Shahid Beheshti University of Medical Sciences,
Velenjak, Arabi Ave.
City
Tehran
Province
Tehran
Postal code
198577443
Phone
+98 21 2243 9770
Email
sarashams6990@gmail.com

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Shahid Beheshti University of Medical Sciences

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
Shahid Beheshti University of Medical Sciences
Full name of responsible person
Seyedeh Sara Shams
Position

Specialized Resident in Sports Medicine

Latest degree

Medical doctor

Other areas of specialty/work

Sport Medicine

Street address

Ayatollah Taleghani Hospital, Arabi Ave., Yemen
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Person responsible for scientific inquiries

Contact

Name of organization / entity

Shahid Beheshti University of Medical Sciences

Full name of responsible person

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Person responsible for updating data

Contact

Name of organization / entity

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Full name of responsible person

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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

Undecided - It is not yet known if there will be 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

Not applicable

Data Dictionary

Not applicable

Title and more details about the data/document

Information about the main outcome can be shared

When the data will become available and for how long

Access period starts 3 months after the results are published

To whom data/document is available

The data will be available only to researchers working in academic and scientific institutions

Under which criteria data/document could be used

The data is available for use in future studies

From where data/document is obtainable

Seyedeh Sara Shams Shahid Beheshti University of Medical Sciences sarashams6990@gmail.com
00989363857943

What processes are involved for a request to access data/document

To receive the data, they can email sarashams6990@gmail.com or call 00989363857943 and the information will be sent to them after confirmation.

Comments