

Clinical Trial Protocol

Iranian Registry of Clinical Trials

11 Sep 2026

The Comparision of kinesio taping & mobilisition on pain, rang of motion & shoulder disability in subacromial impingement syndrome in dialysis patients

Protocol summary

Study aim

The results of this study can be helpful to adopting an appropriate treatment for subacromial impingement syndrome in dialysis patients.

Design

Clinical trial with control group, with parallel groups, double-blind, randomized, on 40 patients. Random blocks method is used for randomization.

Settings and conduct

In this study, 40 dialysis patients with subacromial impingement syndrome will be randomly divided into two groups (n=20). The first group will receive caudal and anterior-posterior glenohumeral mobilization. In the second group, kinesiotape will be done for the deltoid and supraspinatus muscles in addition to mobilization. Study variables include: visual scale of pain (in general shoulder condition and during shoulder abduction), maximum range of motion during active shoulder abduction and shoulder functional disability using DASH questionnaire. All variables will be measured before and after 12 sessions of treatment (3 times weekly). Subjective variables (pain and questionnaire) will also be evaluated 10 days after the end of treatment.

Participants/Inclusion and exclusion criteria

Inclusion criteria: positive of at least one subacromial syndrome tests (Neer, Hawkins, painful arch)- dialysis more than 6 months- shoulder pain more than 2 months- anterior and anterior-external shoulder pain- age between 40 to 60 years exclusion criteria: Corticosteroid injection in the last 3 months- neck radiculopathy pain- history of trauma and shoulder fracture in the last 6 months- history of shoulder and breast surgery- positivity of TOS test- pregnancy- cancer kensiotape sensitivity- physiotherapy in the last 3 months- rheumatoid arthritis- Non-steroidal anti-inflammatory drugs medication

Intervention groups

1. mobilization 2. mobilization and kinsiotape

Main outcome variables

pain

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20091214002851N5**

Registration date: **2020-10-18, 1399/07/27**

Registration timing: **prospective**

Last update: **2020-10-18, 1399/07/27**

Update count: **0**

Registration date

2020-10-18, 1399/07/27

Registrant information

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Name of organization / entity

Babol University of Medical Sciences

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Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2020-12-05, 1399/09/15

Expected recruitment end date

2021-06-05, 1400/03/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The Comparison of kinesio taping & mobilisation on pain, rang of motion & shoulder disability in subacromial impingement syndrome in dialysis patients

Public title

Conservative management of subacromial impingement syndrome in dialysis patients

Purpose

Treatment

Inclusion/Exclusion criteria**Inclusion criteria:**

positive of at least one subacromial syndrome tests (Neer, Hawkins, painful arc) dialysis more than 6 months shoulder pain more than 2 months anterior and anterior-lateral shoulder pain age between 40 to 60 years

Exclusion criteria:

Corticosteroid injection in the last 3 months neck radiculopathy pain history of trauma and shoulder fracture in the last 6 months history of shoulder and breast surgery positivity of TOS test pregnancy cancer kensiotape sensitivity physiotherapy in the last 3 months rheumatoid arthritis Non-steroidal anti-inflammatory drugs medication

AgeFrom **40 years** old to **60 years** old**Gender**

Both

Phase

N/A

Groups that have been masked

- Participant
- Care provider
- Investigator
- Outcome assessor
- Data analyser

Sample sizeTarget sample size: **40****Randomization (investigator's opinion)**

Randomized

Randomization description

The participants of this study are dialysis patients with subacromial impingement syndrome who referred to Shahid Beheshti Hospital of Babol by an orthopedic specialist. About 40 patients participate in this study during 6 months according to the inclusion criteria and divide to the 10 randomized block (size of blocks: 4). Patients in the first group (n = 20) receive mobilization treatment and in the second group (n = 20) receive mobilization treatment in addition to kinesiotope.

Blinding (investigator's opinion)

Double blinded

Blinding description

In this study, the examiner, therapist and statistical analyzer will be blind to grouping and intervention. Therefore, this study is a double-blind.

Placebo

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Ethics committee of Babol University of Medical Sciences

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Babol University Of medical science, GanjAfrooz Street, Babol, Mazandaran, Iran

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Approval date

2020-09-26, 1399/07/05

Ethics committee reference number

IR.MUBABOL.REC.1399.297

Health conditions studied**1****Description of health condition studied**

Subacromial impingement syndrome in dialysis patients

ICD-10 code

M75.4

ICD-10 code description

Impingement syndrome of shoulder

Primary outcomes**1****Description**

pain intensity

Timepoint

Before the intervention, one month after the starting of the intervention and 10 days after the end of the intervention

Method of measurement

visual analog scale

Secondary outcomes**1****Description**

active ROM of shoulder

Timepoint

Before the intervention, one month after the starting of the intervention

Method of measurement

goniometer

2

Description

pain intensity and functional disability of shoulder

Timepoint

Before the intervention, one month after the starting of the intervention and 10 days after the end of the intervention

Method of measurement

DASH Questioner

Intervention groups

1

Description

Intervention group: mobilization and kinsiotape

Category

Rehabilitation

2

Description

Control group: mobilization

Category

Rehabilitation

Recruitment centers

1

Recruitment center

Name of recruitment center

Shahid Beheshti hospital

Full name of responsible person

Mohammad Taghipour

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1

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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

Babol 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

Babol University of Medical Sciences

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mona ramezani

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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

All data is potentially shareable after unidentified individuals

When the data will become available and for how long

Access period starts 2 months after the results are published

To whom data/document is available

Researchers working in academic, scientific and medical institutions

Under which criteria data/document could be used

To cited by other researchers from the results of our research

From where data/document is obtainable

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

2-4 weeks after request via email

Comments