Clinical Trial Protocol
Iranian Registry of Clinical Trials

10 Jun 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, kinesiotype 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
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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 Comparision of kinesio taping & mobilisition 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
Age
From **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 size
Target 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 kinesiotape.
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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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

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Position
University student

Latest degree
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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