Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

A comparison between quadriceps taping and patellar tapingon balance of knee osteoarthritis patients

Protocol summary

Summary

The purpose of this study is to investigate the effect of kinesiology tape on balance of patients with knee osteoarthritis.inclusion criteria consist of reduced joint space and pain and exclusion criteria include rheumatism, history of surgery and corticosteroid injection . In this study 40 female aged 40-65 years are selected through convenience sampling and then are assigned to two groups. In first group patients receive quadriceps taping and in the other group patients get patellar taping for 24 hours. The effect of this technique are assessed immediately and after24 hours by modified star test,functional reach test,berg balance scale and step test .

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016062528610N1**
Registration date: **2016-11-13, 1395/08/23**
Registration timing: **prospective**

Last update:
Update count: **0**

Registration date

2016-11-13, 1395/08/23

Registrant information

Name
Mohammadreza Bostanian

Name of organization / entity
Rehablitation Sciences School of Shiraz Univercity of Medical Sciences

Country
Iran (Islamic Republic of)

Phone
+98 71 3841 2242

Email address
m_bostanian@sums.ac.ir

Recruitment status

Recruitment complete

Funding source
Shiraz University Of Medical Sciences

Expected recruitment start date

2016-11-21, 1395/09/01

Expected recruitment end date

2017-02-19, 1395/12/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

A comparison between quadriceps taping and patellar tapingon balance of knee osteoarthritis patients

Public title

The effect of taping in treatment of patients with knee osteoarthritis

Purpose

Treatment

Inclusion/Exclusion criteria

inclusion criteri:reduce joint space ; pain at anterior and back of patella in two of these activities:up and down stairs; squat; sit to stand ; pain at those activities in almost days in past month; grade 4 pain at VAS
exclusion criteria: rheumatism; corticosteroid injection at least 3 month ago; knee or pelvic surgery; neurologic problems that affect lower limb; use assisting device; pain in other structures of knee and pelvic and back at the same time; history of allergy related to tape.

Age

From **40 years** old to **65 years** old

Gender

Female

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **40**
Randomization (investigator's opinion)
Randomized
Randomization description
Blinding (investigator's opinion)
Single blinded
Blinding description
Placebo
Not used
Assignment
Parallel
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Shiraz University of Medical Sciences
Street address
In front of Felestin Street, Zand Avenue
City
shiraz
Postal code
1433671348
Approval date
2016-06-14, 1395/03/25
Ethics committee reference number
IR.SUMS.REC.1395.52

Health conditions studied

1

Description of health condition studied
knee osteoarthritis
ICD-10 code
M17
ICD-10 code description
Gonarthrosis [arthrosis of knee]

Primary outcomes

1

Description
balance
Timepoint
before intervention,immediate and after24 hours
Method of measurement
modified star test,functional reach test,berg test

Secondary outcomes

1

Description
function
Timepoint
before intervention,immediate and after24 hours
Method of measurement
step test

Intervention groups

1

Description
first group:I strip quadriceps taping from the last one third of femur to superior pole of patella and then Y strip that pass from sides of patella and attach to tibial tuberosity . tension is 25%. assessments are before, immediate and 24 hours after taping.
Category
Rehabilitation

2

Description
second group:I strip from medial side of patella to lateral.tension is 50%. assessments are before, immediate and 24 hours after taping
Category
Rehabilitation

Recruitment centers

1

Recruitment center
Name of recruitment center
Rehabilitation Sciences School of Shiraz University of Medical Sciences
Full name of responsible person
Farzane Moslemi Haghighi
Street address
Abiverdi No.1 St., Shahid Chamran
City
shiraz

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Shiraz University of Medical Sciences
Full name of responsible person
Dr. Sayed Basir Hashemi
Street address
In front of Felestin Street, Zand Avenue.
City
shiraz

Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Shiraz University of Medical Sciences
Proportion provided by this source
100
Public or private sector
empty
Domestic or foreign origin
empty
Category of foreign source of funding
empty
Country of origin
Type of organization providing the funding
empty

Person responsible for general inquiries

Contact
Name of organization / entity
Rehabilitation Sciences School of Shiraz University of Medical Sciences
Full name of responsible person
Mahsa Zare
Position
Bachelor student
Other areas of specialty/work
Street address
Rehabilitation Sciences School, Abiverdi No.1 St., Shahid Chamran Blvd.
City
shiraz
Postal code
7194733669
Phone
+98 71 3627 1552
Fax
+98 71 3627 2459
Email
mh_zareda@sums.ac.ir
Web page address

Person responsible for scientific inquiries

Contact
Name of organization / entity
Rehablitation Sciences School of ShirazUnivercity of Medical Sciences
Full name of responsible person
Farzane Moslemi Haghighi
Position
Master of science/ Faculty member
Other areas of specialty/work
Street address
Rehabilitation Sciences school, AbiverdiNo.1, Shahid Chamran Blvd
City
shiraz
Postal code
7194733669
Phone
+98 71 3627 1551
Fax
+98 71 3627 2495
Email
moslemif@sums.ac.ir
Web page address

Person responsible for updating data

Contact
Name of organization / entity
Rehabilitation Sciences School of Shiraz University of Medical Sciences
Full name of responsible person
Mohammadreza Bostanian
Position
Bachelor student
Other areas of specialty/work
Street address
shiraz,chamran BLVD,abiverdy 1 avenue No.1 St.,Shahid Chamran Blvd
City
shiraz
Postal code
7194733669
Phone
+98 71 3627 1551
Fax
+98 71 3627 2459
Email
m_bostanian@sums.ac.ir
Web page address

Sharing plan

Deidentified Individual Participant Data Set (IPD)
empty
Study Protocol
empty
Statistical Analysis Plan
empty
Informed Consent Form
empty
Clinical Study Report
empty
Analytic Code
empty
Data Dictionary
empty