

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

10 Jun 2026

### A comparison between elastic bandage and taping on postural control in athletes 20-35 ages with patellofemoral pain syndrome

#### Protocol summary

Registration timing: **registered\_while\_recruiting**

#### Summary

Objective: A comparison between standard elastic bandage and taping on postural control in athletes with patellofemoral pain. Design of study: 38 persons (men & women) that have anterior knee pain participate in this study. Inclusion criteria consist of: volunteers have history of regular sport activity; they have anterior knee pain or retro-patellar pain at least as long as 1 month; pain suffering during step up and step down, squat, running and jumping activity; palpating of facet joints producing pain; at least one of three tests consisting: apprehension, step down eccentric and vastus medialis coordination should be positive. Exclusion criteria: symptoms initiating less than 1 month ago; symptoms are related with direct trauma; ligamentous laxity and/or other injury such as ACL injury at the tested leg; surgery at tested knee in latest 3 month. Interventions: volunteers divide in two groups, the first group is taped and second group is wrapped with elastic bandage. Postural control capability at both groups is measured before and after interventions by force- platform and star excursion balance test. Primary outcome measures: COP displacement measures at anterior- posterior and medial- lateral direction before and after taping or wrapping, COP velocity measures at anterior-posterior and medial-lateral directions, reach direction measures at anterior, antero- medial, antero- lateral, medial, lateral, posterior, postero- lateral, postero- medial by used of SEBT before and after taping and bandage. Secondary outcome measures: COM displacement measures at anterior-posterior & medio- lateral directions.

Last update:

Update count: **0**

#### Registration date

2012-03-13, 1390/12/23

#### Registrant information

##### Name

Seyed Mojtaba Ojaghi

##### Name of organization / entity

Rehabilitation Collage Of Shiraz Medical Science University

##### Country

Iran (Islamic Republic of)

##### Phone

+98 71 1627 1551

##### Email address

ojaghi1975@gmail.com

#### Recruitment status

**Recruitment complete**

#### Funding source

Vice chancellor of research, rehabilitation collage of Shiraz medical science university

#### Expected recruitment start date

2012-01-15, 1390/10/25

#### Expected recruitment end date

2012-04-29, 1391/02/10

#### Actual recruitment start date

empty

#### Actual recruitment end date

empty

#### Trial completion date

empty

#### Scientific title

A comparison between elastic bandage and taping on postural control in athletes 20-35 ages with patellofemoral pain syndrome

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT201112268524N1**

Registration date: **2012-03-13, 1390/12/23**

**Public title**

Bandage and taping

**Purpose**

Treatment

**Inclusion/Exclusion criteria**

Inclusion criteria: volunteers are athlete; they have anterior or retro-patellar knee pain at least as long as 1 month; pain during squat, step up and step down, running and jumping; palpation of facet joints are painful. Exclusion criteria: symptoms are initiated less than 1 month; pain is due to trauma; there may ligament laxity or other injury such as ACL injury at the same knee; surgical history during latest 3 month.

**Age**

From **20 years** old to **35 years** old

**Gender**

Both

**Phase**

2-3

**Groups that have been masked**

*No information*

**Sample size**

Target sample size: **38**

**Randomization (investigator's opinion)**

Randomized

**Randomization description****Blinding (investigator's opinion)**

Not blinded

**Blinding description****Placebo**

Not used

**Assignment**

Parallel

**Other design features****Secondary Ids**

empty

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

Ethics committee of Fars medical science university

**Street address**

NO.32, Abiverdi 1 Avenue, Chamran Blvd, Shiraz

**City**

Shiraz

**Postal code****Approval date**

2011-11-23, 1390/09/02

**Ethics committee reference number**

ct-90-5787

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

Patellofemoral pain syndrome

**ICD-10 code**

m22.4, m22

**ICD-10 code description**

Chondromalacia patellae

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

Cop velocity at anterior-posterior and medio-lateral direction

**Timepoint**

Before intervention and 20 minutes after intervention

**Method of measurement**

Based on millimetre per second by force platform

**2****Description**

Reach direction measures at anterior, antero-medial, antero-lateral, medial, lateral, posterior, postero-medial, postero-lateral directions

**Timepoint**

Before intervention and 20 minutes after intervention

**Method of measurement**

Based on centimeter by tape meter

**3****Description**

COP displacement measures at anterior-posterior and medio-lateral direction

**Timepoint**

Before intervention and 20 minutes after intervention

**Method of measurement**

Based on millimetre by force platform

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

COM displacement measures at anterior-posterior and medio-lateral directions

**Timepoint**

Before intervention and 20 minutes after intervention

**Method of measurement**

Based on millimetre calculated by formula

**Intervention groups****1****Description**

For group 1 will use standard elastic bandage. Postural control capability before bandage and 20 minutes after bandage by force platform and star excursion balance test will evaluate.

**Category**

Other

## 2

### Description

For second group McConnell taping will apply. Postural control capability before taping and 20 minutes after taping by force platform and star excursion balance test will evaluate.

### Category

Treatment - Other

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

Rehabilitation collage of Shiraz medical science university

##### Full name of responsible person

Doctor Fahimeh Kamali

##### Street address

NO.32, Abiverdi 1 Avenue, Chamran Blvd, Shiraz

##### City

Shiraz

## Sponsors / Funding sources

### 1

#### Sponsor

##### Name of organization / entity

Vice chancellor for research, rehabilitation collage of Shiraz medical science university

##### Full name of responsible person

Doctor Ali Ghanbari

##### Street address

NO.32, Abiverdi 1 Avenue, Chamran Blvd, Shiraz

##### City

Shiraz

##### Grant name

##### Grant code / Reference number

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

Yes

##### Title of funding source

Vice chancellor for research, rehabilitation collage of Shiraz medical science university

##### 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 collage of Shiraz medical science university

#### Full name of responsible person

Seyed Mojtaba Ojaghi

#### Position

Master science student of sport physiotherapy

#### Other areas of specialty/work

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## Person responsible for scientific inquiries

### Contact

#### Name of organization / entity

Rehabilitation collage of Shiraz medical science university

#### Full name of responsible person

Doctor Fahimeh Kamali

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Ph.D

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### Contact

#### Name of organization / entity

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Seyed Mojtaba Ojaghi

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## **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*