

Clinical Trial Protocol

Iranian Registry of Clinical Trials

03 Jul 2026

Investigation the kinesio taping effect on the shoulder proprioception in the throwing athletes

Protocol summary

Summary

Objective: investigation the effect of kinesio taping on the shoulder joint proprioception in throwing athletes
Study design: Randomized, controlled, single center, throwing athletes
Major inclusion criteria: Healthy throwing athlete, Major exclusion criteria: History of neck or shoulder trauma; Neurological condition; shoulder or upper limb surgery. Sample size: 30
Intervention: Using kinesio taping on shoulder of volunteer in croos over manner, so that the one group received 24 hours kinesio taping in the first session of evaluation and nothing in the second session evaluation with one week interval, the other group will received nothing in the first session of evaluation and after one week they will received 24 hours of kinesio taping on their shoulder
Time of intervention: 24 hours
Primary outcome: Deviation angle during the reconstruction of shoulder joint flexion and abduction at angle of 60 and 120 degree

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201406111254N10**

Registration date: **2015-01-31, 1393/11/11**

Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2015-01-31, 1393/11/11

Registrant information

Name

Amir Hoshang Bakhtiary Davijani

Name of organization / entity

Semnan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

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Email address

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Recruitment status

Recruitment complete

Funding source

Research and technology Vice chancellor of Semnan University of Medical Sciences

Expected recruitment start date

2015-04-01, 1394/01/12

Expected recruitment end date

2015-08-01, 1394/05/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Investigation the kinesio taping effect on the shoulder proprioception in the throwing athletes

Public title

Effect of taping on shoulder function

Purpose

Prevention

Inclusion/Exclusion criteria

Healthy throwing athletes, without any history of shoulder trauma

Age

From **17 years** old to **35 years** old

Gender

Female

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: 30

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Crossover

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethical Committee of Semnan University of Medical Sciences

Street address

Research and Technology Deputy, Semnan University of Medical Sciences, Blvd. Basij

City

Semnan

Postal code

Approval date

2010-08-20, 1389/05/29

Ethics committee reference number

It has been submitted and It will be entered as soon as we recived

Health conditions studied

1

Description of health condition studied

Healthy throwing athletes

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Deviation angle during reconstruction of shoulder flexion at 60 degree

Timepoint

Before and after the end of intervention

Method of measurement

Using Biodex 4Pro machine to measure the deviation angle

2

Description

Deviation angle during reconstruction of shoulder flexion at 120 degree

Timepoint

Before and after the end of intervention

Method of measurement

Using Biodex 4Pro machine to measure the deviation angle

3

Description

Deviation angle during reconstruction of shoulder abduction at 60 degree

Timepoint

Before and after the end of intervention

Method of measurement

Using Biodex 4Pro machine to measure the deviation angle

4

Description

Deviation angle during reconstruction of shoulder abduction at 120 degree

Timepoint

Before and after the end of intervention

Method of measurement

Using Biodex 4Pro machine to measure the deviation angle

Secondary outcomes

1

Description

No secondary outcome to measure

Timepoint

NA

Method of measurement

NA

Intervention groups

1

Description

Control group will not receive any intervention

Category

Prevention

2

Description

24 hours of adhesive kinesiio taping attachment over the shoulder joint included 2 vertical bands over the anterior and posterior aspects of shoulder and 1 horizontal band over the upper part of arm which will be attached with mild tension of 15 -25% over the length of attachment onthe skin of shoulder joint.

Category

Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center

Neuromuscular Rehabilitation Research Center,
Semnan University of Medical Sciences

Full name of responsible person

Amir Hoshang Bakhtiary

Street address

No 123, GHods Ave.

City

Semnan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research and technology, Semnan
University of Medical Scienc

Full name of responsible person

Dr Ali Rashidypour

Street address

No1, Basij Blvd.

City

Semnan

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 and technology, Semnan
University of Medical Scienc

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

Neuromuscular Rehabilitation Research Center,
Semnan University of Medical Sciences

Full name of responsible person

Dr Amir Hoshang Bakhtiary

Position

Head of Neuromuscular Rehabilitation Research
Center/ PhD

Other areas of specialty/work

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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