

Clinical Trial Protocol

Iranian Registry of Clinical Trials

02 Jun 2026

Comparing the Effects of Facilitatory and Inhibitory Kinesiotaping of Gastrocnemius Muscle on Functional Test Performance in Subjects with Multiple Sclerosis: a single blinded Randomized Trial

Protocol summary

Summary

Balance deficiency is a common problem in patients with Multiple Sclerosis. Kinesiotaping is a physiotherapy method could increase the balance. There is two taping method including inhibitory and facilitatory which may have different effects. Twenty patients with Multiple Sclerosis and independent walking ability and exclusion criteria including orthopedic problems effecting the walking and drugs on balance will randomly assigned to two groups inhibitory and faciitatory. Balance will be measured before and after 30 minutes kinesiotaping by timed and go and functional reach.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015093024151N3**

Registration date: **2016-07-19, 1395/04/29**

Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2016-07-19, 1395/04/29

Registrant information

Name

Hamzeh Baharlouei

Name of organization / entity

Country

Iran (Islamic Republic of)

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Email address

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Recruitment status

Recruitment complete

Funding source

Student Research Committee, Isfahan University of Medical Sciences

Expected recruitment start date

2016-07-22, 1395/05/01

Expected recruitment end date

2016-12-21, 1395/10/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparing the Effects of Facilitatory and Inhibitory Kinesiotaping of Gastrocnemius Muscle on Functional Test Performance in Subjects with Multiple Sclerosis: a single blinded Randomized Trial

Public title

The effect of kinesiotaping of gastrocnemius on function of patients with multiple sclerosis in balance test

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion: clinical diagnosis of Multiple Sclerosis by neurologist; walking independently with or without assisstive device; age between 18 to 50 years old. Exclusion criteria: drugs cause balance problem like sedative and psychotropic drugs; sensory impairment; cognitive problem; orthopedic or rheumatologic disease; cardiac problems; malignancy; history of use of KT; visual or hearing loss.

Age

From **18 years** old to **50 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 20

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

Isfahan University of Medical Sciences

Street address

hezar jerib

City

Isfahan

Postal code

Approval date

2015-12-14, 1394/09/23

Ethics committee reference number

IR.MUI.REC.1394.1.94

Health conditions studied

1

Description of health condition studied

Multiple sclerosis

ICD-10 code

G35

ICD-10 code description

Multiple sclerosis

Primary outcomes

1

Description

Balance

Timepoint

Before and 30 minutes after intervention

Method of measurement

Functionnl reach/timed up and go

Secondary outcomes

empty

Intervention groups

1

Description

Inhibitory kinesiotaping

Category

Rehabilitation

2

Description

Facilitatory Kinesiotaping

Category

Rehabilitation

Recruitment centers

1

Recruitment center

Name of recruitment center

Hazrat Abolfazl Rehabilitation Center

Full name of responsible person

Street address

City

Isfahan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

student research committee

Full name of responsible person

Dr Hossein Yousefi

Street address

isfahan university of medial scinces

City

isfahan

Grant name

Grant code / Reference number

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

Yes

Title of funding source

student research committee

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

Isfahan University of Medical Sciences

Full name of responsible person

Hamzeh Baharlouei

Position

MSc, Faculty member

Other areas of specialty/work

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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