

Clinical Trial Protocol

Iranian Registry of Clinical Trials

26 May 2026

Evaluation of gastrocnemius kinesio taping on postural control and spasticity in subjects with chronic stroke disorders.

Protocol summary

Summary

Stroke is a neurovascular lesion in the brain. Paralysis of half of the body is the most important symptom of stroke. Impaired postural control is built by complex interactions of sensory, cognitive and motor disorders. All of these factors can predispose patients to reduce function. The aim of this study is the effect of Kinesio taping on dynamic balance and spasticity in patients with chronic stroke. Methods: In this study, 22 patients with stroke, will be enrolled. Inclusion criteria is the right or left hemiplegia, age from 30 to 65 years and 6 months after accident. Diabetic neuropathy and all patients that use device or fracture lower extremities are excluded. All subjects will receive Kinesio taping (KT). Kinesio Tex Tape will be apply directly to the skin of gastrocnemius muscle and it uses for 1 hour. Timed up and go test (TUG) is used to assess dynamic postural control and Modified Modified Ashworth Scale (MMAS) is used to evaluate the degree of spasticity of plantar flexor muscles. All assessment do before and one hour after taping.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201506096083N8**

Registration date: **2015-08-01, 1394/05/10**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2015-08-01, 1394/05/10

Registrant information

Name

Abbas Ali Pourmomeny

Name of organization / entity

School of Rehabilitation Sciences, Isfahan University of Medical Sciences, Isfahan, Iran

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Isfahan University of Medical Sciences

Expected recruitment start date

2015-03-20, 1393/12/29

Expected recruitment end date

2016-03-19, 1394/12/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of gastrocnemius kinesio taping on postural control and spasticity in subjects with chronic stroke disorders.

Public title

Effects of leg kinesio tape during walking in hemiplegia

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: all hamiplegia who can walk without assistive device after 6 months Exclusion criteria: fracture lower extremities / diabetic neuropathy

Age

From **30 years** old to **65 years** old

Gender

Both

ashworth scale and observational

Phase

1

Groups that have been masked

No information

Sample size

Target sample size: 22

Randomization (investigator's opinion)

N/A

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Single

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Isfahan University of Medical Sciences.

Street address

Isfahan Isfahan University of Medical Sciences

City

Isfahan

Postal code

Approval date

2010-09-23, 1389/07/01

Ethics committee reference number

393608 / 3/7/1393

Health conditions studied

1

Description of health condition studied

Cerebral Vascular Accident

ICD-10 code

G45.0 ,Vas

ICD-10 code description

Vertebro-basilar artery syndrome

Primary outcomes

1

Description

spasticity

Timepoint

before and after treatment

Method of measurement

2

Description

balance

Timepoint

before and after treatment

Method of measurement

walking

Secondary outcomes

empty

Intervention groups

1

Description

A kind of elastic bond that named kinsiotaping in leg muscle of hemiplesia patient (CVA) kind of taping: elastic band- Nowin company.

Category

Rehabilitation

Recruitment centers

1

Recruitment center

Name of recruitment center

School of Rehabilitation of Isfahan University of Medical Sciences

Full name of responsible person

Abbas ali Pourmomeny

Street address

Department of physical therapy, School of Rehabilitation Sciences, Hazarjarib, Isfahan university

City

Isfahan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research, Isfahan University of Medical Sciences

Full name of responsible person

Payman Adibi

Street address

Research Department Isfahan University of Medical Sciences

City

Isfahan

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, Isfahan 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**

Department of physical therapy, School of
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Sci

Full name of responsible person

Abbas ali Pourmomeny

Position

PhD

Other areas of specialty/work**Street address**

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Web page address**Person responsible for updating data****Contact****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