Clinical Trial Protocol
Iranian Registry of Clinical Trials

22 Nov 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

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Name of organization / entity

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

Country

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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

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
ashworth scale and observational

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 Rehabilitation Sciences, Isfahan University of Medical Sci
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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