Clinical Trial Protocol
Iranian Registry of Clinical Trials

22 Nov 2026

The effect of ankle kinesio taping on postural control in 30-60 years old stroke patients.

Protocol summary

Summary

The primary aim of this study was to investigate the effect of the application of ankle kinsio taping on the postural control in 30-60 years old stroke patients.40 stroke patients divided 2 group intervention and control. Inclusions criteria for stroke patients : age range 60-30 years and at least 1 year after the stroke. We performed ankle kinesio taping (KT) for 24h. It was applied by KT expert by stretching the kinesio tape. Initially, a tape anchor is placed above the malleoli of the affected lower extremity. This anchor is applied securely but not tightly around the extremity. Five or six tape straps are started from the anchor in the area of the medial ankle. They are applied around the bottom and up the lateral side of the foot. The ends of the first of these straps are attached to the lateral ankle. Subsequent straps are applied across the bottom of the foot progressively more distally and are attached progressively more anteriorly and medially on the ankle.for the kinesio taping application .postural control assess by force plate before, immediately and 24 hours after of the kinesio taping application.We expect that kinesio taping improve postural control in stroke patients.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201211302391N9**
Registration date: **2016-07-12, 1395/04/22**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2016-07-12, 1395/04/22

Registrant information

Name

Zahra Rojhani Shirazi

Name of organization / entity

Shiraz University of Medical Sciences, School of Rehabilitation Sciences

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Recruitment status

Recruitment complete

Funding source

Vice Chancellor for Research Affairs of Shiraz University of Medical Sciences

Expected recruitment start date

2012-10-22, 1391/08/01

Expected recruitment end date

2012-11-21, 1391/09/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of ankle kinesio taping on postural control in 30-60 years old stroke patients.

Public title

Effect of kinesio taping on postural control in stroke patients.

Purpose

Treatment

Inclusion/Exclusion criteria

The inclusions criteria for stroke patients: age range 60-30 years؛ at least 1 year after the stroke؛ stroke patients with anterior artery on the CT scan؛ high and

moderate balance according berg balance scale (score 56-21)؛ grade 2 and 3 of spasticity on Ashworth scale؛ not used muscle relaxant and tranquilizers drugs from 24 hours ago؛Ability to stand with eyes closed and open with feet apart for at least 30 seconds؛ Ability to understand instructions؛ The ability to easily change directions. Exclusion criteria: acquired brain injury؛ lower limbs fracture؛ a history of lower limbs surgery؛ dislocation in lower limb joints؛ sacroiliac joint dysfunctions؛ low back pain ؛ blindness and deafness؛ allergy to kinsiotape؛balance disorder and middle ear problems؛ diabetes and neuropathy.

Age
From **30 years** old to **60 years** old

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **40**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features
Subject were randomly assigned to either the intervetional group or control group by random number table.

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Ethics committee of Shiraz University of Medical Sciences

Street address
Shiraz, Chamran Boulevard,1 street Abyverdy, School of Rehabilitation Sciences, ShiraUniversity of Medical Sciences, Department of Physical Therapy z

City
Shiraz

Postal code

Approval date
2012-09-23, 1391/07/02

Ethics committee reference number
CT-91-6376

Health conditions studied

1

Description of health condition studied
Stroke

ICD-10 code
164

ICD-10 code description
Cerebrovascular accident NOS

Primary outcomes

1

Description
Postural control

Timepoint
Before,immediately and 24 hours after application of interventions

Method of measurement
Amount of displacement and velocity of center of pressure by forceplate

Secondary outcomes

empty

Intervention groups

1

Description
In intervention group We performed ankle kinesio taping (KT) in intervention group for 24h. It was applied by KT expert by stretching the kinesio tape. Initially, a tape anchor is placed above the malleoli of the affected lower extremity.. This anchor is applied securely but not tightly around the extremity. Five or six tape straps are started from the anchor in the area of the medial ankle. They are applied around the bottom and up the lateral side of the foot. The ends of the first of these straps are attached to the lateral ankle. Subsequent straps are applied across the bottom of the foot progressively more distally and are attached progressively more anteriorly and medially on the ankle.

Category
Treatment - Other

2

Description
In control group no intervention was done and All postural control measurements were repeated 24 hours later in control group.

Category
N/A

Recruitment centers

1

Recruitment center
Name of recruitment center
Physiotherapy's clinics
Full name of responsible person
Zahra Rojhani Shirazi
Street address
Shiraz Faculty of Rehabilitation, Chamran blvd
City
Shiraz

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice Chancellor for research of Shiraz University of Medical Sciences
Full name of responsible person
Gholamreza hatam
Street address
Shiraz Faculty of Rehabilitation, Chamran blvd.
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 of Shiraz 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
Shiraz University of Medical Sciences
Full name of responsible person
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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