

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 2026

The effect of long- term taping of ankle joint on postural and functional stability in chronic stroke patients

Protocol summary

Summary

A stroke is the rapidly developing loss of brain function due to a disturbance in the blood supply to the brain, which is the leading cause of long-term adult disability. Strokes can lead to a combination of muscle weakness or muscle imbalance, decreased postural control, muscle spasticity, poor voluntary control. Stroke survivors especially have difficulty in balance and postural control for standing upright because they are impaired by asymmetric posture, abnormal body imbalance, and deficit of weight transfer ,and these factors have been implicated in the poor recovery of functional ability and an increased risk of falls. Moreover, these events have a great impact on the patient's gait function. Therefore, several studies have been conducted with an aim to correct and control these problems. The aim of this study is investigating the effect of long- term taping of ankle joint on postural and functional stability in chronic stroke patients. A convenience sample of stroke survivors (15 subjects in both experience and control groups), available in university clinic will participate in this study. 15 subjects in control group will be age and sex-matched with experience group. Also all the participants will be more than 6 months post-stroke and can walk at least 10m independently. Therefore postural and functional balance index will be measured by Biodex Balance System and functional tests respectively.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016111627562N2**
Registration date: **2017-01-13, 1395/10/24**
Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2017-01-13, 1395/10/24

Registrant information

Name

Roghayeh Mohammadi

Name of organization / entity

Semnan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 23 3365 4180

Email address

mohammadpt@semums.ac.ir

Recruitment status

Recruitment complete

Funding source

Governmental

Expected recruitment start date

2017-02-04, 1395/11/16

Expected recruitment end date

2017-06-22, 1396/04/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of long- term taping of ankle joint on postural and functional stability in chronic stroke patients

Public title

The effect of long- term taping of ankle joint on postural and functional stability

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria 1. No one had a pre-existing condition

(apart from stroke) that affected their walking ability. 2. Subjects with hemiparesis caused by stroke for more than 6 months will participate and all of them will be in chronic phase. 3. Subjects would be in range of 40-70 years old. Exclusion criteria 1. Any major cognitive deficit and severe aphasia 2. Any condition (fractures and any other disease except stroke) that affected walking and balance

Age

From **40 years** old to **70 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size:

Randomization (investigator's opinion)

Not randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Semnan University of Medical Sciences

Street address

Semnan-5 kilometer of Dameghan Road-Semnan
University of Medical Sciences

City

Semnan

Postal code

Approval date

2016-11-08, 1395/08/18

Ethics committee reference number

IR.SEMUMS.REC.1395.127

Health conditions studied

1

Description of health condition studied

Stroke

ICD-10 code

I64

ICD-10 code description

Stroke, not specified as haemorrhage or infarction

Primary outcomes

1

Description

Postural balance

Timepoint

Before, after, and three month after ceasing intervention

Method of measurement

With Balance Biodex System

Secondary outcomes

1

Description

Functional balance

Timepoint

Before, after, and three month after ceasing intervention

Method of measurement

Functional tests

Intervention groups

1

Description

Ankle joint taping will be used in intervention group for 3 weeks

Category

Rehabilitation

2

Description

control group receive no treatment

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

Neuromuscular Rehabilitation Research Center

Full name of responsible person

Roghayeh Mohammadi

Street address

City

Semnan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Semnan University of Medical Sciences

Full name of responsible person

Roghayeh Mohammadi

Street address

Semnan-5 kilometer of Dameghan Road-Semnan
University of Medical Sciences

City

Semnan

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Semnan 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**

Semnan University of Medical Sciences

Full name of responsible person

Roghayeh Mohammadi

Position

Assistant Professor

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

Semnan-5 kilometer of Dameghan Road-Semnan
University of Medical Sciences

City

Semnan

Postal code**Phone**

+98 23 3365 4180

Fax**Email**

mohamadipt@gmail.com

Web page address**Person responsible for scientific inquiries****Contact****Name of organization / entity**

Semnan University of Medical Sciences

Full name of responsible person

Roghayeh Mohammadi

Position

Assistant Professor

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

Semnan-5 kilometer of Dameghan Road-Semnan
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Postal code**Phone**

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Fax**Email**

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Web page address**Person responsible for updating data****Contact****Name of organization / entity**

Semnan University of Medical Sciences

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Semnan-5 kilometer of Dameghan Road-Semnan
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Postal code**Phone**

+98 23 3365 4180

Fax**Email****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