

Clinical Trial Protocol

Iranian Registry of Clinical Trials

15 Jun 2026

Evaluation of the effect of mirror therapy on motor ability of patients with stroke referred to the neurology department of Imam Reza hospital of Kermanshah

Protocol summary

Study aim

Investigation of the effect of mirror therapy on motor ability of patients with stroke referred to the neurology department of Imam Reza hospital of Kermanshah

Design

This study is a not blinded clinical trial. The study population included all patients with stroke referring to Imam Reza hospital of Kermanshah city. 64 eligible patients will be selected conveniently and randomly assigned to intervention and control groups.

Settings and conduct

The participants and the researcher will know which group will be under the mirror therapy.

Participants/Inclusion and exclusion criteria

Inclusion criteria: People with stroke diagnosed by a neurologist based on the results of CT scans and MRI; At least 1 month passed from the time of the occurrence of stroke
Exclusion criteria: Recurrence of stroke

Intervention groups

In the intervention group, in addition to the usual rehabilitation program, the mirror treatment will be performed in the morning shifts for 20 sessions of 30 minutes per day, and for each upper and lower limb, 15 minutes for each limb. In the control group, only the usual rehabilitation program will be conducted by a rehabilitation specialist with a researcher's control for 20 sessions of 30 minutes in the morning shifts.

Main outcome variables

Motor function; walking ability; motor recovery

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20130812014333N88**
Registration date: **2018-03-14, 1396/12/23**

Registration timing: **prospective**

Last update: **2018-03-14, 1396/12/23**

Update count: **0**

Registration date

2018-03-14, 1396/12/23

Registrant information

Name

Feizollah Foroughi

Name of organization / entity

kermanshah University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 83 1821 4653

Email address

fforoughi@kums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2018-03-16, 1396/12/25

Expected recruitment end date

2018-04-14, 1397/01/25

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of the effect of mirror therapy on motor ability of patients with stroke referred to the neurology department of Imam Reza hospital of Kermanshah

Public title

The effect of mirror therapy on motor abilities of patients with stroke

Purpose

Treatment

Inclusion/Exclusion criteria**Inclusion criteria:**

People with stroke diagnosed by a neurologist based on the results of CT scans and MRI At least 1 month passed from the time of the occurrence of stroke No any known disease causing motor defects, such as MS, Parkinson's, Myopathy, Arthritis and ...

Exclusion criteria:

Recurrence of stroke Unwillingness to continue the rehabilitation program Having diseases that prevent a person from performing a rehabilitation program (such as trauma, severe infection)

Age

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

Gender

Both

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: **46**

Randomization (investigator's opinion)

Randomized

Randomization description

Individual randomization by random number table via code receipt

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**

Ethics committee of Kermanshah University of Medical Sciences

Street address

Vice Chancellor for Research Affairs, Kermanshah University of Medical Sciences, Building No.2, Shahid Beheshti,

City

Kermanshah

Province

Kermanshah

Postal code

6715847141

Approval date

2017-07-19, 1396/04/28

Ethics committee reference number

KUMS.REC.1396.195

Health conditions studied**1****Description of health condition studied**

stroke

ICD-10 code

I63.5

ICD-10 code description

Cerebral infarction due to unspecified occlusion or stenosis of cerebral arteries

Primary outcomes**1****Description**

Motor function

Timepoint

The beginning and end of the study

Method of measurement

Based on Function Index Measure(FIM)

2**Description**

The ability to walk

Timepoint

The beginning and end of the study

Method of measurement

Based on the questionnaire Function Ambulation Categories(FAC)

3**Description**

Motion recovery (brunnstrom)

Timepoint

The beginning and end of the study

Method of measurement

Based on the questionnaire Brunnstorm

4**Description**

Self care

Timepoint

The beginning and end of the study

Method of measurement

Based on Barthel Index Scale

Secondary outcomes

empty

Intervention groups

1

Description

In the intervention group, in addition to the usual rehabilitation program, the mirror treatment will be performed in the morning shifts for 20 sessions of 30 minutes per day, and for each upper and lower limb, each limb for 15 minutes

Category

Other

2

Description

In the control group, only the usual rehabilitation program will be conducted by a rehabilitation specialist with a researcher's control for 20 sessions of 30 minutes in the morning shifts.

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Emam Reza Hospital

Full name of responsible person

Maryam Janatmakan

Street address

Emam Reza Hospital, Parastar Boulevard

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Kermanshah University of Medical Sciences

Full name of responsible person

Dr. Farid Najafi

Street address

Vice Chancellor for Research Affairs, Kermanshah University of Medical Sciences, Building No.2, Shahid Beheshti

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fnajafi@kums.ac.ir

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Kermanshah University of Medical Sciences

Proportion provided by this source

100

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

Academic

Person responsible for general inquiries

Contact

Name of organization / entity

Kermanshah University of Medical Sciences

Full name of responsible person

Maryam Janatmakan

Position

Nurse

Latest degree

Master

Other areas of specialty/work

Nursery

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Kermanshah University of Medical Sciences

Full name of responsible person

Dr. Kamran Vafaei

Position

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Other areas of specialty/work

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Person responsible for updating data

Contact

Name of organization / entity

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Full name of responsible person

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Position

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Yes - There is a plan to make this available

Study Protocol

Yes - There is a plan to make this available

Statistical Analysis Plan

Undecided - It is not yet known if there will be a plan to make this available

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

Yes - There is a plan to make this available

Analytic Code

Not applicable

Data Dictionary

Undecided - It is not yet known if there will be a plan to make this available

Title and more details about the data/document

The main outcomes of the study will be shared.

When the data will become available and for how long

3 months

To whom data/document is available

If requested, results will be made available to other academic researchers

Under which criteria data/document could be used

Collected data is confidential and will not be shared with anyone else

From where data/document is obtainable

To receive the documentation, email send for update manager

What processes are involved for a request to access data/document

En In a 25-day period, the documents will be sent e-mail

Comments