Clinical Trial Protocol
Iranian Registry of Clinical Trials

22 Nov 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)

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+98 83 1821 4653

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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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Kermanshah
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Postal code
6715847141
Phone
+98 83 3427 6306
Email
Maryam.Janatmakan@kums.ac.ir

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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6715847141
Phone
+98 83 3836 0014
Email
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
Street address
Emam Reza Hospital, Parastar Boulevard
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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 Vafaee
Position
Nurse
Latest degree

Master

Other areas of specialty/work
Nursery

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Emam Reza Hospital, Parastar Boulevard

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k.vafaee60@gmail.com

Person responsible for updating data

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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Email
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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