

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

Studying the Effectiveness of Neurologic Music Therapy on Cognitive Rehabilitation of Stroke Patients

Protocol summary

Study aim

Using Neurologic Music Therapy in cognitive rehabilitation of stroke patients and comparing the effectiveness of this intervention with standard rehabilitation procedures

Design

In this research, 30 eligible stroke patients who have been referred to a public hospital are chosen purposefully and are matched in two control and experiment groups according to their gender.

Settings and conduct

Study place: Firoozgar Hospital. Intervention: fifteen sessions, 2 sessions a week.

Participants/Inclusion and exclusion criteria

Inclusion criteria: 1- Experience of an ischemic stroke 2- It's no more than 2 years after the stroke 3- Impairments in attention, memory and executive functions due to stroke have been observed Exclusion criteria: 1- History of mental disorders (except for post-stroke depression) 2- History of any brain injuries other than stroke 3- Mental retardation 4- History of drug or alcohol abuse

Intervention groups

1) Experiment group: Neurologic music therapy in addition to standard rehabilitation intervention. 2) Control Group: standard rehabilitation intervention

Main outcome variables

Attention; Memory; Executive Functions

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20110807007250N2**

Registration date: **2018-02-09, 1396/11/20**

Registration timing: **registered_while_recruiting**

Last update: **2018-02-09, 1396/11/20**

Update count: **0**

Registration date

2018-02-09, 1396/11/20

Registrant information

Name

bijan forogh

Name of organization / entity

tehran university of medical science

Country

Iran (Islamic Republic of)

Phone

+98 21 8214 1229

Email address

bforough@tums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2017-12-22, 1396/10/01

Expected recruitment end date

2018-03-20, 1396/12/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Studying the Effectiveness of Neurologic Music Therapy on Cognitive Rehabilitation of Stroke Patients

Public title

Effect of NMT on Cognitive Capabilities of Stroke Patients

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria:

Participants have experienced an ischemic stroke It's no

more than 2 years after their stroke Impairments in attention, memory and executive functions due to stroke have been observed

Exclusion criteria:

History of mental disorders (except for post-stroke depression) History of any brain injuries other than stroke Mental retardation History of drug or alcohol abuse

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 30

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

Ethics committee of Iran University of Medical Sciences

Street address

Hemmat Highway, Tehran

City

Tehran

Province

Tehran

Postal code

۱۳۴۹۶۱۴۵۳۵

Approval date

2017-12-08, 1396/09/17

Ethics committee reference number

IR.IUMS.REC1396.31141

Health conditions studied

1

Description of health condition studied

Stroke

ICD-10 code

G46.4

ICD-10 code description

Cerebellar stroke syndrome

Primary outcomes

1

Description

Attention

Timepoint

Before, in the middle of and after the intervention, and in a 3 month follow-up

Method of measurement

Montreal Cognitive Assessment

2

Description

Memory

Timepoint

Before, in the middle of and after the intervention, and in a 3 month follow-up

Method of measurement

Montreal Cognitive Assessment

3

Description

Executive functions

Timepoint

Before, in the middle of and after the intervention, and in a 3 month follow-up

Method of measurement

Montreal Cognitive Assessment

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: Neurologic Music Therapy. 15 sessions of NMT intervention, 2 sessions a week. These sessions will be held in the hospital using simple percussion instruments and recorded music pieces. In this study 8 therapeutic techniques will be performed, as described in NMT Manual.

Category

Rehabilitation

2

Description

Control group: Standard rehabilitation interventions

Category

Rehabilitation

Recruitment centers

1

Recruitment center

Name of recruitment center

Firoozgar Hospital

Full name of responsible person

Sara Eskandary

Street address

Beh Afarin Ave., Karim Khan Zand St., Vali-e Asr Sq.

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Province

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Postal code

1593747811

Phone

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Email

sa62ir@yahoo.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Iran University of Medical Sciences

Full name of responsible person

Dr. Kazem Malakooti

Street address

Iran University of Medical Sciences, Hemmat Highway

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research@iums.ac.ir

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Iran 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

Iran University of Medical Sciences

Full name of responsible person

Bijan Forough

Position

Professor

Latest degree

Specialist

Other areas of specialty/work

Physical Medicine

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Firoozgar Hospital, Ali Valadi Ave., Valiasr St.

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Person responsible for scientific inquiries

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Person responsible for updating data

Contact

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Sharing plan**Deidentified Individual Participant Data Set (IPD)**

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

Study Protocol

Undecided - It is not yet known if there will be 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

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

Clinical Study Report

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

Analytic Code

Not applicable

Data Dictionary

Not applicable