

Clinical Trial Protocol

Iranian Registry of Clinical Trials

04 Jul 2026

Comparing the effect of neuro-feedback therapy versus Transcranial Direct Current Stimulation (TDCS) on decreasing of migraine's signs and Anxiety, Depression and, quality of life

Protocol summary

Study aim

Design

Settings and conduct

Participants/Inclusion and exclusion criteria

Intervention groups

Main outcome variables

Expected recruitment start date

2017-10-07, 1396/07/15

Expected recruitment end date

2018-01-05, 1396/10/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20171023036952N1**

Registration date: **2017-12-18, 1396/09/27**

Registration timing: **registered_while_recruiting**

Last update: **2017-12-18, 1396/09/27**

Update count: **0**

Registration date

2017-12-18, 1396/09/27

Registrant information

Name

zahra kosari

Name of organization / entity

zanjan university of medical sciences

Country

Iran (Islamic Republic of)

Phone

+98 24 3354 4002

Email address

zahra.psy@zums.ac.ir

Recruitment status

Recruitment complete

Funding source

zanjan university of medical sciences

Scientific title

Comparing the effect of neuro-feedback therapy versus Transcranial Direct Current Stimulation (TDCS) on decreasing of migraine's signs and Anxiety, Depression and, quality of life

Public title

Comparing the effect of neuro-feedback therapy versus Transcranial Direct Current Stimulation (TDCS) on decreasing of migraine's signs and Anxiety, Depression and, quality of life

Purpose

Treatment

Inclusion/Exclusion criteria

Age

From **15 years** old to **55 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **20**

Randomization (investigator's opinion)

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

Zanjan University of Medical Sciences

Street address

Zanjan University of Medical Sciences, Azadi blvd.

City

Zanjan

Postal code

Approval date

2017-10-02, 1396/07/10

Ethics committee reference number

ZUMS.REC.1396.152

Health conditions studied

1

Description of health condition studied

Migraine

ICD-10 code

G43.0

ICD-10 code description

Migraine without aura [common migraine]

Primary outcomes

1

Description

Signs of migraine

Timepoint

After 10 sessions 20 minutes - one month after treatment. Two months after the treatment

Method of measurement

Blanchard headache diary

Secondary outcomes

1

Description

anxiety

Timepoint

After 10 sessions 20 minutes - one month after treatment. Two months after the treatment

Method of measurement

Depression anxiety stress(DASS)

2

Description

Depression

Timepoint

After 10 sessions 20 minutes - one month after treatment. Two months after the treatment

Method of measurement

Depression anxiety stress(DASS)

3

Description

Quality of Life

Timepoint

After 10 sessions 20 minutes - one month after treatment. Two months after the treatment

Method of measurement

WHO QUALITY OF LIF-BREF(WHOQOL-BREF)

Intervention groups

1

Description

tdcs for 10 sessions, three times a week for 20 minutes, an anode in cz and a cathode in the posterior series or oz

Category

Rehabilitation

2

Description

neurofeedback at 20 sessions a three times for 45 minutes in week . Based on the protocol of (suppression of 4-8 and 21-30 and amplification of 12-15) in the t3-t4 region

Category

Behavior

Recruitment centers

1

Recruitment center

Name of recruitment center

Zanjan University of Medical Sciences

Full name of responsible person

Research Deputy in Zanjan University of Medical Sciences

Street address

City

Zanjan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Zanjan University of Medical Sciences

Full name of responsible person

Research Deputy Zanjan University of Medical Sciences

Street address

Zanjan University of Medical Sciences, Azadi blvd.

City

Zanjan

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

Yes

Title of funding source

Zanjan 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**

Zanjan University of Medical Sciences

Full name of responsible person

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

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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*