

Clinical Trial Protocol

Iranian Registry of Clinical Trials

26 Jun 2026

A survey of effect of Transcranial direct current stimulation on reduction of symptoms in poor-responder major depression patients

Protocol summary

Summary

The aim of this study is to evaluate the effects of Transcranial direct current stimulation (TDCS) on reducing depressive symptoms in treatment resistant patients with Major Depressive Disorder (MDD), in a Quasi experimental single group before and after study. 51 patients with MDD will be treated by 10 sessions TDCS (Right Catodal Dorsolateral Prefrontal Cortex (DLPC) and left Anodal Temporal Occipitoparietal Cortex, with 2 MA amplitude and 30 minutes duration). Beck Depression Index (Second Edition) will be used to evaluate interview response on sessions 1 and 5 and 10. Respectively positive response will be considered the 25 percent reduce of baseline Beck Depression Index score. The patients with (BDI II) score equal or greater than 29 will be included and pregnant women or patients with substance abuse or dependency or any other Major Psychiatric Disorders will be excluded from the study.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015100321965N2**
Registration date: **2015-12-24, 1394/10/03**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2015-12-24, 1394/10/03

Registrant information

Name

Homa Zarrabi

Name of organization / entity

Guilan University of Medical Sciences, «Kavosh »
Cognitive Behaviour Sciences and Addiction Research

Country

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Recruitment status

Recruitment complete

Funding source

Research and Technology assistance ,Guilan University
Of Medical Sciences

Expected recruitment start date

2015-09-23, 1394/07/01

Expected recruitment end date

2015-11-22, 1394/09/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

A survey of effect of Transcranial direct current stimulation on reduction of symptoms in poor-responder major depression patients

Public title

A survey of effect of Transcranial direct current stimulation on reduction of symptoms in poor-responder major depression patients

Purpose

Other

Inclusion/Exclusion criteria

Inclusion criteria: Non-psychotic major depression treatment-resistant, Test score of 29 or greater on Beck-II Depression Questionnaire, anti depressants (NSR, SSRI), Benzodiazepines and antipsychotic drugs consumption at least 4 weeks before the study, absence of neurological disease, Without any complication;

Exclusion criteria: pregnancy, any kind of drug or substance dependency in the last 6 months, any kind of major co morbidity Psychiatric Disorders(like Schizophrenia, Bipolar and, any kind of Metal prosthesis in the body.

Age

From **15 years** old to **77 years** old

Gender

Both

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: **51**

Randomization (investigator's opinion)

N/A

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Single

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Research and Technology assistance ,Ethics committee of Guilan University Of Medical Sciences

Street address

Shahid Beheshti Blvd, Opposite to the Sepah Bank, above Iran Radiator Representation, Research and Technology assistance, Rasht, Iran

City

Rasht

Postal code

41938-93345

Approval date

2015-09-22, 1394/06/31

Ethics committee reference number

IR.GUMS.REC.1394.259

Health conditions studied

1

Description of health condition studied

Major Depression

ICD-10 code

F33.2

ICD-10 code description

A disorder characterized by repeated episodes of depression, the current episode being severe without psychotic symptoms, as in F32.2, and without any history of mania.

Primary outcomes

1

Description

Depression

Timepoint

1,5, 10 treatment

Method of measurement

Beck-II Depression Questionnaire

Secondary outcomes

empty

Intervention groups

1

Description

The method will be designed a Quasi experimental single group (without control group) before and after study. The patients will be treated by 10 sessions with 30 minutes TDCS.

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Tooloo Specialty and subspecialty of psychiatry Clinic of Rasht

Full name of responsible person

Dr Kiomars Najafi

Street address

Shabnam alley, Golsar Crossroads, Opposite to the Municipal of Area (3), Rasht, Iran

City

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Research and Technology assistance(Vice chancellor for research) ,Guilan University Of Medical Scien

Full name of responsible person

Dr Rasool Tabari

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Shahid Beheshti Blvd, Opposite to the Sepah Bank, above Iran Radiator Representation, Research and

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

Yes

Title of funding source

Research and Technology assistance(Vice chancellor for research) ,Guilan University Of Medical Scien

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**

Guilan University Of Medical Sciences

Full name of responsible person

Dr Kiomars Najafi

Position

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Full name of responsible person

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Master Of science in Clinical Psychology

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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