

# 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

Iran (Islamic Republic of)

##### Phone

+98 13 3366 6268

##### Email address

shafakavosh@gums.ac.ir

##### 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

Rasht

## 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

##### Street address

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

Technology assistance,Rasht, Iran

**City**

Rasht

**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**

Psychiatrist, Assistant Professor

**Other areas of specialty/work**

**Street address**

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**Person responsible for scientific inquiries**

**Contact**

**Name of organization / entity**

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**Full name of responsible person**

Dr Kiomars Najafi

**Position**

Assistant professor

**Other areas of specialty/work**

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**Contact**

**Name of organization / entity**

Guilan University Of Medical Sciences

**Full name of responsible person**

Mahdiyeh Pakdaman

**Position**

Master Of science in Clinical Psychology

**Other areas of specialty/work**

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**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*