

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

A clinical Trial of Effect of High-frequency Transcranial Magnetic Stimulation in the Management of Borderline Personality Disorder Patients

Protocol summary

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Summary

This study aims to evaluate effect of high frequency trans-cranial magnetic stimulation in the management of borderline personality disorder. the major exclusion criteria is the presence of Axis 1 disorders in patients. Patients will randomly be divided into sham and study groups. Patients undergone 10 session of high-frequency rTMS therapy over their left DLPFC. Subjects in sham group will receive the same protocol using a sham probe. All the subjects will be evaluated about psychological status and mood and affect using appropriate questionnaire before the TMS, after the last session, one and three months after the last sessions.

Recruitment status

Recruitment complete

Funding source

Tehran University of Medical Sciences

Expected recruitment start date

2012-10-10, 1391/07/19

Expected recruitment end date

2013-12-31, 1392/10/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2012112611582N1**

Registration date: **2013-12-21, 1392/09/30**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2013-12-21, 1392/09/30

Registrant information

Name

Mohammad Arbabi

Name of organization / entity

Tehran University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 21 5541 9151

Email address

Scientific title

A clinical Trial of Effect of High-frequency Transcranial Magnetic Stimulation in the Management of Borderline Personality Disorder Patients

Public title

Trial of Effect of High-frequency Transcranial Magnetic Stimulation in the Management of Borderline Personality Disorder

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion Criteria: Clinically diagnosed borderline personality disorder according to DSM IV. Exclusion Criteria: Epilepsy; Any metal device; Psychotic disorders; Bipolar mood disorder type 1

Age

From **18 years** old to **60 years** old

Gender

Both

Phase

N/A

Groups that have been masked
No information

Sample size
Target sample size: 36

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Single blinded

Blinding description

Placebo
Used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Ethic in research committee, Tehran University of Medical Sciences

Street address
4th floor, Tehran University of Medical Sciences, Keshavarz Blvd

City
Tehran

Postal code

Approval date
2011-04-19, 1390/01/30

Ethics committee reference number
90-01-30-13200

Health conditions studied

1

Description of health condition studied
Emotionally unstable personality disorder

ICD-10 code
F60.3

ICD-10 code description
Emotionally unstable personality disorder

Primary outcomes

1

Description
Borderline Personality Disorder Severity

Timepoint
Before the TMS- After the last session- One and three months after the last sessions

Method of measurement
Borderline Personality Disorder Severity Index

Secondary outcomes

1

Description
Depression

Timepoint
Before TMS - after the last session- One and three months after the last session

Method of measurement
Beck depression Inventory

2

Description
Anxiety

Timepoint
Before TMS - after the last session- One and three months after the last session

Method of measurement
Beck Anxiety inventory

3

Description
Impulsivity

Timepoint
Before TMS - after the last session- One and three months after the last session

Method of measurement
Barratt impulsivity index

Intervention groups

1

Description
High frequency transcranial magnetic stimulation

Category
Treatment - Devices

2

Description
Sham transcranial magnetic stimulation

Category
Treatment - Devices

Recruitment centers

1

Recruitment center

Name of recruitment center
Rouzbeh Hospital

Full name of responsible person
Dr. Mohammad Arbabi

Street address
South Karegar Street

City
Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Tehran University of Medical Sciences

Full name of responsible person

Mr. Ahmadi

Street address

Keshavarz Blvd, Tehran University of Medical Sciences

City

Tehran

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Tehran 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

Tehran University of Medical Sciences

Full name of responsible person

Dr. Mohammad Arbabi

Position

Associate Professor - Psychiatrist

Other areas of specialty/work

Street address

Rouzbeh hospital, South Karegar Street

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Tehran University of Medical Sciences

Full name of responsible person

Dr. Mohammad Arbabi

Position

Associate Professor- Psychiatrist

Other areas of specialty/work

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Web page address

Person responsible for updating data

Contact

Name of organization / entity

Tehran University of Medical Sciences

Full name of responsible person

Dr. Mohammad Arbabi

Position

Associate professor of Psychiatry

Other areas of specialty/work

Street address

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Fax

Email

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