

Clinical Trial Protocol

Iranian Registry of Clinical Trials

29 Jun 2026

Evaluate the effect of neurofeedback treatment in reducing symptoms of obsessive - compulsive practical action in adolescents

Protocol summary

Summary

Purpose: Evaluate the effect of neurofeedback treatment in reducing symptoms of obsessive - compulsive practical action in adolescents. This study aims to increase F-3 beta in the left frontal region and strengthen this area of the brain by neurofeedback treatment for reducing obsessive - compulsive practical symptoms in adolescents in an outpatient practice. Inclusion criteria: Age 12-20 year; Diagnosis of obsessive - compulsive practical through psychiatrist interview based on DSM-IV criteria; Medical or psychiatric disorder are not diagnosed; Exclusion criteria: lack of the above inclusion criteria Methodology: Since this is a quasi-experimental study, 30 patients were chosen Among Obsessive-action and Visitors in the age group of 12-20 years old in EBNE SINA Hospital and Dr. SHEIKH Hospital and a Private office and also randomly were assigned to two positions (neurofeedback therapy and waiting list). The research instrument is Padua questionnaire that measures both obsessions and compulsions. The test was administered for all patients in pre-test and post-test to 10 week intervals and it need to say that clinical interview were used for detecting patients in this research

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014052015487N2**

Registration date: **2014-06-15, 1393/03/25**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2014-06-15, 1393/03/25

Registrant information

Name

hamid seyfi

Name of organization / entity

Ibn-e-Sina Hospital

Country

Iran (Islamic Republic of)

Phone

+98 51 1711 2540

Email address

barabadians891@mums.ac.ir

Recruitment status

Recruitment complete

Funding source

Investigator

Expected recruitment start date

2013-03-21, 1392/01/01

Expected recruitment end date

2013-09-21, 1392/06/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluate the effect of neurofeedback treatment in reducing symptoms of obsessive - compulsive practical action in adolescents

Public title

Determine the effectiveness of neurofeedback Treatment in patients with obsessive - compulsive practical

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Age 12-20 year; Diagnosis of obsessive - compulsive practical through psychiatrist interview based on DSM-IV criteria; Medical or psychiatric disorder are not diagnosed; Exclusion criteria: lack of the above

inclusion criteria

Age

From **12 years** old to **20 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **30**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Azad university branch of shahrood

Street address

University Blvd

City

shahrood

Postal code

Approval date

2013-02-19, 1391/12/01

Ethics committee reference number

2158154

Health conditions studied

1

Description of health condition studied

obsessive - compulsive practical

ICD-10 code

42.2

ICD-10 code description

Mixed obsessional thoughts and acts

Primary outcomes

1

Description

OCD

Timepoint

One week before intervention-the end point of intervention-one month after the end of intervention

Method of measurement

Padua Inventory

Secondary outcomes

empty

Intervention groups

1

Description

The experimental group: neurofeedback therapy

Category

Behavior

2

Description

Control group: waiting list

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Ibn Sina Hospital

Full name of responsible person

Street address

City

Mashhad

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Azad university branch of shahrood

Full name of responsible person

Vice Chancellor for research, Azad University Branch of shahrood

Street address

University Blvd

City

shahrood

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Azad university branch of shahrood

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
Azad University, branch of Sharood
Full name of responsible person
Alireza Sajadi
Position
Assistant Professor of Psychiatry
Other areas of specialty/work
Street address
Number16, Hashemieh10
City
Mashhad
Postal code
Phone
+98 51 1711 2540
Fax
Email
seyfih2@mums.ac.ir
Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity
Azad University, Branch of Shahrood
Full name of responsible person
Alireza Sajadi
Position
Assistant Professor
Other areas of specialty/work
Street address
Number16, Hashemieh10
City
Mashhad

Postal code
Phone
+98 51 1711 2540
Fax
Email
seyfih2@mums.ac.ir
Web page address

Person responsible for updating data

Contact

Name of organization / entity
Azad University, Branch Of Shahrood
Full name of responsible person
alireza sajjadi
Position
Assistant Professor of Psychiatry
Other areas of specialty/work
Street address
Number16, Hashemieh10
City
Mashhad
Postal code
Phone
+98 51 1711 2540
Fax
Email
seyfih2@mums.ac.ir
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