

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

25 Jun 2026

### Memantine add on to treatment of refractory obsessive compulsive disorder

#### Protocol summary

##### Summary

Several case reports have reported efficacy of anti-glutamatergic medications for the treatment of OCD. The objective of this study was to investigate the efficacy of Memantine, an anti-glutamatergic medication with a unique pharmacodynamic profile, in individuals with resistant OCD. Participants in the study will be 72 Patients referred to the Anxiety Disorders Clinic of Farshchian Hospital who have primary diagnosis of resistant Obsessive Compulsive Disorder, and are accepted for treatment at the clinic. The patients will be divided randomly in two groups to receive 10 mg per day Memantine or placebo for 12 weeks. Severity of disorder will be measured with YBOCS and CGI Scale at the beginning of the intervention and every 4 weeks.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT138712141743N1**

Registration date: **2009-10-12, 1388/07/20**

Registration timing: **registered\_while\_recruiting**

Last update:

Update count: **0**

##### Registration date

2009-10-12, 1388/07/20

##### Registrant information

###### Name

Mohammad Haghighi

###### Name of organization / entity

Research Center for Behavioral Disorders and Substance Abuse, Hamadan University of Medical Sciences

###### Country

Iran (Islamic Republic of)

##### Phone

+98 81 1827 4184

##### Email address

haghighi@umsha.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

Research Center for Behavioral Disorder and Substance Abuse, Hamadan University of Medical Sciences

##### Expected recruitment start date

2009-09-01, 1388/06/10

##### Expected recruitment end date

2010-03-01, 1388/12/10

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Memantine add on to treatment of refractory obsessive compulsive disorder

##### Public title

Memantine add on to treatment of refractory obsessive compulsive disorder: A double-blind clinical trial

##### Purpose

Treatment

##### Inclusion/Exclusion criteria

Inclusion criteria: Suffering from OCD, taking a therapeutic dose of a SSRI or Clomipramine, at least for 12 weeks, Y\_BOSC score of 16 or greater Exclusion criteria: primary diagnosis of psychosis or bipolar mood disorder, substance abuse or dependency, uncontrolled medical condition, having had a previous trial of Memantine, pregnancy or breast feeding, rising liver enzymes to more than twice of normal range during intervention, presence of MDD

##### Age

No age limit

**Gender**

Both

**Phase**

N/A

**Groups that have been masked**

No information

**Sample size**

Target sample size: 72

**Randomization (investigator's opinion)**

Randomized

**Randomization description**

**Blinding (investigator's opinion)**

Double blinded

**Blinding description**

**Placebo**

Used

**Assignment**

Parallel

**Other design features**

**Secondary Ids**

empty

**Ethics committees**

1

**Ethics committee**

**Name of ethics committee**

Hamadan University of Medical sciences

**Street address**

Hamadan, Hamadan university of Medical science

**City**

Hamadan

**Postal code**

**Approval date**

2009-05-10, 1388/02/20

**Ethics committee reference number**

38374/9/35/16

**Health conditions studied**

1

**Description of health condition studied**

Obsessive- Compulsive Disorder

**ICD-10 code**

F42

**ICD-10 code description**

Obsessive-compulsive disorder

**Primary outcomes**

1

**Description**

Severity of symptoms of OCD

**Timepoint**

4 weeks

**Method of measurement**

Y\_BOCS and CGI Scale

**Secondary outcomes**

empty

**Intervention groups**

1

**Description**

Memantine, 10 mg, BD, for 12 weeks

**Category**

Treatment - Drugs

2

**Description**

placebo, 10 mg, BD, for 12 weeks

**Category**

Treatment - Drugs

**Recruitment centers**

1

**Recruitment center**

**Name of recruitment center**

Farshchian Hospital of Hamadan.

**Full name of responsible person**

Dr. Mohammad Haghghi

**Street address**

Honaresatan street

**City**

Hamadan

**Sponsors / Funding sources**

1

**Sponsor**

**Name of organization / entity**

Research Center for Behavioral Disorder and Substance Abuse, Hamadan University of Medical Sciences

**Full name of responsible person**

Dr Ali Ghaleiha

**Street address**

Honarestan street, Farshchian Hospital

**City**

Hamadan

**Grant name**

**Grant code / Reference number**

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

Yes

**Title of funding source**

Research Center for Behavioral Disorder and Substance Abuse, Hamadan 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**

Hamadan University of medical Sciences

**Full name of responsible person**

Dr. Hassan Hafezian

**Position**

Resident of Psychiatry

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**Web page address****Person responsible for scientific inquiries****Contact****Name of organization / entity**

Hamadan university of Medical sciences

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Mohammad Haghighi

**Position**

Psychiatrist, Assistant Professor

**Other areas of specialty/work****Street address**

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**City**

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**Web page address****Person responsible for updating data****Contact****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*