

Clinical Trial Protocol

Iranian Registry of Clinical Trials

04 Jul 2026

Evaluation of Memantine effect as adjunctive therapy in patients with treatment-resistant obsessive-compulsive disorder (double-blind, controlled clinical trial)

Protocol summary

Summary

The aim of this study was to investigate the role of memantine as an augmentation treatment for obsessive-compulsive disorder for patients that have not responded to conventional therapies like antidepressants. In this study, patients between 18 and 40 years, who based on the criteria of DSM-V have obsessive-compulsive disorder, and were at least under 3 months of treatment with antidepressants at the maximum dose and have a score of 21 or above at the standard Yale-Brown Obsessive Compulsive Scale will be evaluated. In this study, 32 patients referred to Golestan hospital that have inclusion criteria and none of exclusion criteria enter the study by block randomization using 3 blocks divided into 2 groups. 16 patients are on drug group and 16 on placebo group. The study is double-blind. Drugs with a dose of 20 mg and placebos with the same appearance (including color, size and design) and identical packaging are given to patients. The response of patients to adjuvant treatment is measured via Yale-Brown Obsessive Compulsive Scale and score of patients is the primary outcome of this study.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015110324853N1**
Registration date: **2016-01-11, 1394/10/21**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2016-01-11, 1394/10/21

Registrant information

Name

Leila Kouti

Name of organization / entity

Ahvaz Jundishapur University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 61 3373 8379

Email address

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Recruitment status

Recruitment complete

Funding source

Funds allocated for student thesis Doctor of Pharmacy by Ahvaz Jundishapur University of Medical Sciences

Expected recruitment start date

2015-12-16, 1394/09/25

Expected recruitment end date

2016-05-14, 1395/02/25

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of Memantine effect as adjunctive therapy in patients with treatment-resistant obsessive-compulsive disorder (double-blind, controlled clinical trial)

Public title

Memantine effect on treatment of drug resistant obsessive compulsive disorder

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: patients with known obsessive

compulsive disorder by DSM-V criteria; no other mental disorder; no other systemic disorder such as diabetes, hypertension, hyper and hypo thyroidism ;no alcohol intake and not a drug user; between 18 to 40 years old; the patient should be treated for at least 3 months with an antidepressant at highest dose and have a score of 21 or more in Yale-Brown Obsessive Compulsive Scale test. exclusion criteria: Pregnancy and nursing; Patients with a history of memantine use; Patients who do not sign the consent form.

Age

From **18 years** old to **40 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **32**

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

Ahvaz Jundishapur University of Medical Sciences

Street address

Golestan Highway, Ahvaz Jundishapur University of Medical Sciences

City

Ahvaz

Postal code

Approval date

2015-08-08, 1394/05/17

Ethics committee reference number

IR.AJUMS.REC.1394.314

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

patient's score in Y-BOCS test

Timepoint

before intervention and 8 weeks after the treatment

Method of measurement

Y-BOCS test

Secondary outcomes

1

Description

Side effects

Timepoint

every week for 8 weeks of giving drug or placebo

Method of measurement

the list of memantine adverse effects

Intervention groups

1

Description

Intervention group with active drug Memantine, 20 mg tablets one per day for 8 weeks

Category

Treatment - Drugs

2

Description

control group placebo tablets, one per day for 8 weeks

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Golestan hospital

Full name of responsible person

Setareh Razooghi

Street address

Golestan Hospital, Golestan Blvd.

City

Ahvaz

2

Recruitment center

Name of recruitment center

private office of Dr Sayyah

Full name of responsible person

Setareh Razooghi

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Person responsible for scientific inquiries

Contact

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Full name of responsible person

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Position

Clinical pharmacy specialist, Assistant professor

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Deputy of research and technology development

Full name of responsible person

Nader Saki

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Ground floor, Deputy of research and technology
development, Ahvaz Jundishapur University of
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Ahvaz

Grant name

پایان نامه دکترای حرفه ای داروسازی

Grant code / Reference number

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

Yes

Title of funding source

Deputy of research and technology development

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

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Full name of responsible person

Setareh Razooghi

Position

Pharmacy student

Other areas of specialty/work

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Person responsible for updating data

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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