

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

27 Jun 2026

### Evaluation Of the, Galantamine and Memantine co-administration on the Cognitive Deficits induced by Eelctro Convalisive Therapy: A Randomized double blind Clinical Trial

#### Protocol summary

##### Summary

In a interventional study about Patients with schizophrenia, schizoaffective, bipolar disorder, major depressive disorder and obsessive turn to Golestan hospita in 1394 these are approved by two cooperator psychiatrists (Criteria DSM-IV-TR) and nominated for shock therapy. They evaluated With regard to the inclusion and exclusion criteria. Patients were randomly divided into four groups of 20 persons . first group: in first 12-24 hours of study patients were given 5 and then 10 mg of Memantine twice a day, in addition they were given 4mg and then 8 mg of Galantamine. the second group:in first 12-24 hours of study patients were given 4 mg and then 8 mg galantamine and placebo twice a day. The third group 12-24 hours of study patients were given 5 and then 10 mg of memantine and placebo twice a day . The fourth group were given two placebo during shock therapy twice a day. (prescring the drug started 12 hours before the shock thery and continued untill the end of the day shock therapy).Tools which used were Wechsler Digit Span test and Mini Mental Status Questionnaire. Forms were completed at the beginning and end of the study as well as in all 4 groups. statistical tests used for comparing changes within groups and between groups . patiensts, nurses and data monitoring committee are completely unaware of prescription drugs.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2015051720913N1**

Registration date: **2015-10-01, 1394/07/09**

Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2015-10-01, 1394/07/09

##### Registrant information

###### Name

Heshmatolah Rahimi

###### Name of organization / entity

Ahvaz Jundishapur University of Medical Sciences

###### Country

Iran (Islamic Republic of)

###### Phone

+98 61 3374 3038

###### Email address

rahimi.h@ajums.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

Ahvaz Jundishapur University of Medical Sciences

##### Expected recruitment start date

2015-04-22, 1394/02/02

##### Expected recruitment end date

2015-08-23, 1394/06/01

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Evaluation Of the, Galantamine and Memantine co-administration on the Cognitive Deficits induced by Eelctro Convalisive Therapy: A Randomized double blind Clinical Trial

##### Public title

Evaluation Of the, Galantamine and Memantine co-administration on the Cognitive Deficits

## Purpose

Treatment

## Inclusion/Exclusion criteria

Inclusion criteria: Aged between 60-18 years- the number of ECT sessions between 6 and 12- live in the city of Ahvaz. Exclusion criteria: alcohol and drug dependency or abuse during the 3 months prior to admission (except nicotine or caffeine)- diseases of the documented (kidney fixed Renal Failure)- epilepsy- Mental Retardation based on clinical assessment and evaluation by physician(resident)- delirium- dementia and cognitive disorders- pregnancy and breast feeding-use of memantine and galantamine than 3 months prior to admission- patients receiving thiazide diuretics- documented history and drug sensitivity effects with memantine and galantamine .

## 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: **80**

## Randomization (investigator's opinion)

Randomized

## Randomization description

## Blinding (investigator's opinion)

Double blinded

## Blinding description

## Placebo

Used

## Assignment

Factorial

## Other design features

## Secondary Ids

empty

## Ethics committees

### 1

#### Ethics committee

##### Name of ethics committee

Vice Chancellor for Research and Technological Development

##### Street address

Ahvaz JundiShapur University of Medical Science

##### City

Ahvaz

##### Postal code

6135715794

#### Approval date

2015-03-22, 1394/01/02

#### Ethics committee reference number

IR.AJUMS.REC.1394.66

## Health conditions studied

### 1

#### Description of health condition studied

Cognition disorder due to Electro Convulsive Therapy

#### ICD-10 code

G31.9

#### ICD-10 code description

Degenerative disease of nervous system, unspecified

## Primary outcomes

### 1

#### Description

Galantamine-Memantine-ECT numbers-MMSE Test score

#### Timepoint

One day before and one day after Electro Convulsive Therapy

#### Method of measurement

Questionary scors MMSE-Questionary Digit Span of Wechsler

## Secondary outcomes

empty

## Intervention groups

### 1

#### Description

First group:A day before starting the study 4 mg of Galantamine every 12 hours prescript and 24 hour later achive to 8 mg every 12 hours.although a day before starting the study 5 mg of Memantine every 12 hours start and achive to 10 mg every 12 hours.dose contiues until the of Electro Convulsive Therapy.

#### Category

Treatment - Drugs

### 2

#### Description

Second group:A day before starting the study 4 mg of Galantamine every 12 hours prescript and 24 hour later achive to 8 mg every 12 hours.although a day before starting the study 5 mg of Placebo every 12 hours start and achive to 10 mg every 12 hours.dose contiues until the end of Electro Convulsive Therapy.

#### Category

Treatment - Drugs

### 3

#### Description

Third group:A day before starting the study 5mg of Memantine every 12 hours prescript and 24 hour later achive to 10 mg every 12 hours.although a day before starting the study 4 mg of Placebo every 12 hours start and achive to 8 mg every 12 hours.dose contiues until

the of Electro Convulsive Therapy.

**Category**

Treatment - Drugs

**4**

**Description**

Fourth group:A day before starting the study 4 mg of Placebo every 12 hours prescript and 24 hour later achive to 8 mg every 12 hours.although a day befor starting the study 5 mg of Placebo every 12 hours start and achive to 10 mg every 12 hours.dose contiues until the of Electro Convulsive Therapy.

**Category**

Treatment - Drugs

**Recruitment centers**

**1**

**Recruitment center**

**Name of recruitment center**

Golestan hospital

**Full name of responsible person**

Dr.Heshmatolah Rahimi

**Street address**

Psychiatrist of Golestan hospital

**City**

Ahvaz

**Sponsors / Funding sources**

**1**

**Sponsor**

**Name of organization / entity**

Ahvaz Jundishapur University of Medical Sciences

**Full name of responsible person**

Dr.Heshmatolah Rahimi

**Street address**

No 27, Ansar Complex, Part1, 16th West Street, Kian pars

**City**

Ahvaz

**Grant name**

**Grant code / Reference number**

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

Yes

**Title of funding source**

Ahvaz Jundishapur University of Medical Sciences

**Proportion provided by this source**

**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*

**2**

**Sponsor**

**Name of organization / entity**

Ahvaz Jundishapur of Medical Sciences

**Full name of responsible person**

Dr.Heshmatolah Rahimi

**Street address**

Ansar Complex, Part1, 16th West Street, Kian pars

**City**

Ahvaz

**Grant name**

**Grant code / Reference number**

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

Yes

**Title of funding source**

Ahvaz Jundishapur of Medical Sciences

**Proportion provided by this source**

**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**

Ahvaz Jundishapur of Medical Science

**Full name of responsible person**

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**Position**

Resident

**Other areas of specialty/work**

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**Full name of responsible person**

Seyed Mohammad Taghi Mansoori

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Ahvaz

**Postal code****Phone**

+91 33178795

**Fax****Email**

Mansouri\_smt@yahoo.com

**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*