

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 therapy 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

Dr.Heshmatolah Rahimi

Position

Resident

Other areas of specialty/work

Street address

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Rahimi.hsht@gmil.com

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

Ahvaz Jundishapur Medical Science

Full name of responsible person

Seyed Mohammad Taghi Mansoori

Position

Asistant

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

Pharmacology Group of Medical Science

City

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