

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

07 Jun 2026

### Assessment of the efficacy of Memoral herbal drug on prevention of ECT-induced memory impairment in patients with mood disorder

#### Protocol summary

##### Summary

To appraise the Memoral herbal drug efficacy on prevention of ECT-induced memory impairment, 70 inpatients with mood disorder in Isfahan Noor Hospital who were introduced for electroconvulsive therapy (ECT), were enrolled in a double-blind randomized clinical trial at 2011. They were placed randomly in two groups, and were received either Memoral or placebo since the day before the first ECT until two months after the last ECT session.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT201102072232N2**  
Registration date: **2012-01-15, 1390/10/25**  
Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2012-01-15, 1390/10/25

##### Registrant information

###### Name

Seyed Ghafur Mousavi

###### Name of organization / entity

Isfahan University of Medical Sciences

###### Country

Iran (Islamic Republic of)

###### Phone

+98 31 1222 2475

###### Email address

mousavi@med.mui.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

Behavioral Sciences Research Center of Isfahan  
University of Medical Sciences & Goldaru pharmaceutical  
manufactory

##### Expected recruitment start date

2010-11-22, 1389/09/01

##### Expected recruitment end date

2011-08-23, 1390/06/01

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Assessment of the efficacy of Memoral herbal drug on prevention of ECT-induced memory impairment in patients with mood disorder

##### Public title

Memoral efficacy on prevention of memory impairment

##### Purpose

Prevention

##### Inclusion/Exclusion criteria

Inclusion criteria: Age range of 15-65; diagnosis of Major Depressive Disorder or Bipolar Disorder; informed acceptance for participating in the study; prescription of at least 4 sessions of ECT by psychiatrist. Exclusion criteria: Dementia or mental retardation; discontinuation of ECT before 4 sessions; refusing cooperation after primary acceptance; delirium during intervention

##### Age

From **15 years** old to **65 years** old

##### Gender

Both

##### Phase

N/A

##### Groups that have been masked

*No information*

##### Sample size

Target sample size: 70

**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**

Behavioural Sciences Research Center (BSRC) of  
Isfahan University of Medical Sciences (IUMS)

**Street address**

Noor Medical Center, Ostandarie Ave

**City**

Isfahan

**Postal code**

31451-81458

**Approval date**

2010-06-06, 1389/03/16

**Ethics committee reference number**

389254

**Health conditions studied**

1

**Description of health condition studied**

ECT-induced memory impairment

**ICD-10 code**

F04

**ICD-10 code description**

Organic amnesic syndrome, not induced by alcohol and  
other psychoactive substances

**Primary outcomes**

1

**Description**

Memory

**Timepoint**

Before first and fourth ECT session, one and two months  
after the last session of ECT

**Method of measurement**

Completion of questionnaire

**Secondary outcomes**

1

**Description**

Memorial side effect

**Timepoint**

Before first and fourth ECT session, one and two months  
after the last session of ECT

**Method of measurement**

Questionnaire

**Intervention groups**

1

**Description**

In intervention group: 3 Memorial cap/day, since the day  
before ECT, until two months after last session of ECT

**Category**

Treatment - Drugs

2

**Description**

In control group: 3 placebo cap/day, since the day before  
ECT, until two months after the last session of ECT

**Category**

Placebo

**Recruitment centers**

1

**Recruitment center**

**Name of recruitment center**

Noor Medical Center

**Full name of responsible person**

Mousavi Seyed Ghafur

**Street address**

Noor Medical Center, Ostandari Ave.

**City**

Isfahan

**Sponsors / Funding sources**

1

**Sponsor**

**Name of organization / entity**

Behavioural Sciences Research Center of Isfahan  
University of Medical Sciences

**Full name of responsible person**

Dr.Abbas Atari

**Street address**

Behavioural Sciences Research Center, Noor  
Hospital, Ostandari ave.

**City**

Isfahan

**Grant name**

**Grant code / Reference number**

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

Yes

**Title of funding source**

Behavioural Sciences Research Center of Isfahan  
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**

Goldaru pharmaceutical manufactory

**Full name of responsible person**

Taghi Ghafghazi

**Street address**

KM 15 of Isfahan- Shiraz road,Goldaru manufactory

**City**

Isfahan

**Grant name**

**Grant code / Reference number**

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

Yes

**Title of funding source**

Goldaru pharmaceutical manufactory

**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**

Behavioural Sciences Research Center of Isfahan  
University of Medical Sciences

**Full name of responsible person**

Seyed Ghafur Mousavi

**Position**

Associated Professor/ Board certified of psychiatry

**Other areas of specialty/work**

**Street address**

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Center, Ostandari ave.

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**Web page address**

**Person responsible for updating data**

**Contact**

**Name of organization / entity**

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University of Medical Sciences

**Full name of responsible person**

Seyed Ghafur Mousavi

**Position**

Board certified of psychiatry, Associate professor

**Other areas of specialty/work**

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**Phone**

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**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*