

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

18 Sep 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**

Behavioural Sciences Research Center, Noor Medical  
Center, Ostandari ave.

**City**

Isfahan

**Postal code**

**Phone**

+98 31 1222 2475

**Fax**

+98 31 1222 2475

**Email**

mousavi@med.mui.ac.ir

**Web page address**

## Person responsible for scientific 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**

Associate professor/ Board certified of psychiatry

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## Person responsible for updating data

**Contact**

**Name of organization / entity**

Behavioural Sciences Research Center of Isfahan  
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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**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*