

Clinical Trial Protocol

Iranian Registry of Clinical Trials

13 Jun 2026

Comparison of Liothyronine and piracetam on prevention of ECT-induced amnesia, Noor hospital, Isfahan, Iran

Protocol summary

Behavioral Sciences Research Center, Isfahan University of Medical Sciences

Summary

The study aimed to compare the effect of liothyronine and piracetam on three subscales of Wechsler memory test on patients under treatment with ECT, during 2008. A total of 60 patients were allocated in three groups to receive liothyronine, piracetam, or placebo from the first session of ECT until one month after the last session of ECT. Personal information, orientation, and mental control of Wechsler memory scale were tested at first, during, and one month after last session of ECT.

Expected recruitment start date

2008-01-21, 1386/11/01

Expected recruitment end date

2009-01-20, 1387/11/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138805042232N1**

Registration date: **2011-09-24, 1390/07/02**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2011-09-24, 1390/07/02

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

Scientific title

Comparison of Liothyronine and piracetam on prevention of ECT-induced amnesia, Noor hospital, Isfahan, Iran

Public title

Comparison of liothyronine and piracetam on ECT-induced amnesia

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: Psychiatrist documented order of at least 4 session of ECT for the patient, Patient acceptance the collaboration, diagnosis of MDD, BD, or schizophrenia, no MR or dementia Exclusion criteria: ECT, induced delirium, less than 4 ECTs

Age

From **20 years** old to **45 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **60**

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

Behavioral Sciences Research Center, Isfahan
University of Medical Sciences

Street address

Behavioral Sciences Research Center, Noor hospital

City

Isfahan

Postal code

81456-993

Approval date

2008-02-17, 1386/11/28

Ethics committee reference number

387335

Health conditions studied

1

Description of health condition studied

Ect-induced amnesia

ICD-10 code

F00, F01,

ICD-10 code description

Organic, including symptomatic, mental disorders

Primary outcomes

1

Description

Personal information

Timepoint

Before, first, 4th, and last session, & one month after last
ECT session

Method of measurement

Wechsler memory scale

2

Description

Orientation

Timepoint

Before, first, 4th, and last session, & one month after last

ECT session

Method of measurement

Wechsler memory scale

3

Description

Mental control

Timepoint

Before, first, 4th, and last session, & one month after last
ECT session

Method of measurement

Wechsler memory scale

Secondary outcomes

1

Description

Drug side-effects

Timepoint

All sessions of appraisal

Method of measurement

Questionnaire

Intervention groups

1

Description

Liothyronine, tab 25 mcg, 2 tab/day, since 1day before
first ECT until 1 month after last ECT sessions

Category

Prevention

2

Description

Piracetm, 800 mg tab., 2 tab/day, since one day before
the first session until the last month after the last
sessions of ECT

Category

Prevention

3

Description

Placebo 2 tab./day, since one day before the first session
until the last session of ECT

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Noor hospital

Full name of responsible person

Mousavi Seyed Ghafur

Street address

Noor hospital, Ostandarie Ave.

City

Isfahan

www.mui.ac.ir

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Behavioral Sciences Reseach Center of Isfahan
University of Medical Sciences

Full name of responsible person

Attari Abbas

Street address

Noor hospital, Ostandarie Ave.

City

Isfahan

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Behavioral Sciences Reseach Center of Isfahan University
of Medical Sciences

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

Behavioral Sciences Research Center of Isfahan
University of Medical Sciences

Full name of responsible person

Mousavi Seyed Ghafur

Position

Board certified of psychitry, Executor

Other areas of specialty/work

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Person responsible for scientific inquiries

Contact

Name of organization / entity

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University of Medical Sciences

Full name of responsible person

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Position

Associate professor/Board certified of psychiatry

Other areas of specialty/work

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Person responsible for updating data

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Position

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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