Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 2026

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

Protocol summary

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.

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

Behavioral Sciences Research Center, Isfahan University of Medical Sciences

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

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

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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Full name of responsible person

Mousavi Seyed Ghafur

Position

Associate professor/Board certified of psychiatry

Other areas of specialty/work

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Person responsible for updating data

Contact

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Full name of responsible person

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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