Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 2026

Effects of Ginkgo biloba in depression and cognitive problems of depressed patients treated with ECT referred to the psychiatric ward in Shahrekord Hajar hospital

Protocol summary

Summary

This double blind clinical trial performed with aim of determination the effectiveness of the Ginkgo Biloba tablet in depression and cognitive problems of depressed patients treated with ECT referred to the psychiatric ward in Shahrekord Hajar hospital. Patients with major depression who had indication for ECT were randomly divided in two groups (30 persons control and 30 in case group). Control group treated with eight bilateral ECT, three times a week and three placebo tablet Ginkgo Biloba (every 8 hours) daily for 4 weeks. Case group treated with eighth session ECT 3 times a week and 40mg tablet Ginkgo Biloba every 8 hours after food for 4 weeks. The day before ECT, at the end of treatment period with ECT and 4 weeks after treatment, Cognition, memory and depression condition of patients assessed by Mini Mental State Exam and Hamilton depression questionnaire. Patients were evaluated for signs of bleeding and clotting problems during treatment.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138903192085N2**
Registration date: **2010-06-09, 1389/03/19**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2010-06-09, 1389/03/19

Registrant information

Name

Neda Parvin

Name of organization / entity

Shahrekord University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 38 1333 5652

Email address

nedali285@skums.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice-chancellor for research, Shahrekord University of Medical Sciences

Expected recruitment start date

2009-10-23, 1388/08/01

Expected recruitment end date

2010-10-23, 1389/08/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effects of Ginkgo biloba in depression and cognitive problems of depressed patients treated with ECT referred to the psychiatric ward in Shahrekord Hajar hospital

Public title

Effects of Ginkgo biloba in depression and cognitive problems of depressed patients treated with ECT referred to the psychiatric ward in Shahrekord Hajar hospital

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: suffering from the major depression, indication for treatment with ECT, scores more than 25 in Mini Mental State Exam Exclusion criteria: Psychotic

disorders such as schizophrenia, schizoaffective, delirium, dementia, amnesia, consumption of anticoagulant drugs, treatment with other medicinal plants, Pregnancy

Age

From **18 years** old to **80 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

Shahrekord University of Medical Sciences

Street address

Shahrekord University of Medical Sciences, Rahmatie, Shahrekord

City

Shahrekord

Postal code

Approval date

2008-09-27, 1387/07/06

Ethics committee reference number

87-7-6

Health conditions studied

1

Description of health condition studied

depression

ICD-10 code

F32

ICD-10 code description

Depressive episode

Primary outcomes

1

Description

cognition and depression condition

Timepoint

before treatment, end of treatment, 4 weeks after begining the treatment

Method of measurement

Hamilton and Mini Mental State Exam questionnaire

Secondary outcomes

empty

Intervention groups

1

Description

Eight sessions of bilateral ECT, three times a week and placebo tablet for Ginkgo Biloba (every 8 hours) daily for 4 weeks

Category

Placebo

2

Description

Eight session of ECT 3 times a week and Ginkgo Bilob, 40mg tablets, every 8 hours after meal for 4 weeks

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Hajar Hospital

Full name of responsible person

Parvin N

Street address

Nursing and Midwifery Department, Shahrekord University of Medical Sciences, Shahrekord

City

Shahrekord

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice-chancellor for research, Shahrekord University of Medical Sciences

Full name of responsible person

Neda Parvin

Street address

Nursindg and Midwifery Department, Shahrekord

University of Medical Sciences, Rahmatie, Shahrekord,Iran

City

Shahrekord

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Vice-chancellor for research, Shahrekord 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

Person responsible for scientific inquiries

Contact

Name of organization / entity

Shahrekord University of Medical Sciences

Full name of responsible person

Neda Parvin

Position

lecturer

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