Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

The effect of concomitant psychotropic medication and electroconvulsive therapy on Schizophrenia

Protocol summary

Summary

This is a double blind randomized control clinical trial about the safety and efficacy of concomitant Electroconvulsive therapy and atypical antipsychotics in patients with schizophrenia. The sample includes 60 patients with schizophrenia randomly allocated to one of the groups. The Positive and Negative Syndrome Scale (PANSS) is used for assessment of treatment efficacy. Need to receive electroconvulsive therapy (ECT) determined by psychiatrist is an inclusion criteria. Patient or caregivers who do not provide written informed consent are excluded. Patients with serious medical conditions are not included.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201107143930N7**
Registration date: **2011-08-09, 1390/05/18**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2011-08-09, 1390/05/18

Registrant information

Name

Ahmad Ghanizadeh

Name of organization / entity

Research Center for Psychiatry and Behavioral Sciences, Shiraz University Of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 71 1627 3070

Email address

ghanizad@sina.tums.ac.ir

Recruitment status

Recruitment complete

Funding source

Shiraz University of Medical Sciences

Expected recruitment start date

2011-07-14, 1390/04/23

Expected recruitment end date

2012-11-14, 1391/08/24

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of concomitant psychotropic medication and electroconvulsive therapy on Schizophrenia

Public title

Concomitant psychotropic medication and electroconvulsive therapy on Schizophrenia

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusive criteria: Diagnosed schizophrenia in accordance with DSM-IV, needs to be applied electroconvulsive therapy (ECT) determined by psychiatrist; providing written informed consent. Exclusion Criteria: Patient who does not volunteer himself or herself, Serious neurological or medical damage such as epilepsy, diabetes, cardiac disease or autistic disorder.

Age

From **18 years** old to **65 years** old

Gender

Both

Phase

2

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
Ethics committee of Shiraz University of Medical Sciences
Street address
Vice-chancellery of Research Affairs, Shiraz University of Medical sciences, Zand Street
City
Shiraz
Postal code
Approval date
2011-09-29, 1390/07/07
Ethics committee reference number
CT-90-2974

Health conditions studied

1

Description of health condition studied
schizophrenia
ICD-10 code
F20
ICD-10 code description
Schizophrenia

Primary outcomes

1

Description
The Positive and Negative Syndrome Scale for schizophrenia (PANSS)
Timepoint
before first ECT session and about 4 weeks after the last session of ECT
Method of measurement
Interview

Secondary outcomes

1

Description
a modified version of Mini Mental Status Evaluation
Timepoint
before first ECT session, after every session of ECT, and about 4 weeks after the last session of ECT
Method of measurement
interview

Intervention groups

1

Description
Olanzapn (5 to 20 mg/day) or respredone (1 to 6 mg/day)
Category
Treatment - Drugs

2

Description
Placebo
Category
Placebo

Recruitment centers

1

Recruitment center
Name of recruitment center
Research Center for Psychiatry and Behavioral Sciences, Shiraz University of Medical Sciences
Full name of responsible person
Ahmad Ghanizadeh
Street address
Hafez hospital, Chamran Street
City
Shiraz

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice chancellor for research, Shiraz University of Medical Sciences
Full name of responsible person
Gholam Reza Hatam
Street address
Vice-chancellery of Research Affairs, Shiraz University of Medical sciences, Zand Street
City
Shiraz
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, Shiraz 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
Shiraz University of Medical sciences
Full name of responsible person
Ahmad Ghanizadeh
Position
MD
Other areas of specialty/work
Street address
Hafez Hospital, Chamran Street
City
Shiraz
Postal code
Phone
+98 71 1627 3070
Fax
Email
ghanizad@sina.tums.ac.ir
Web page address

Person responsible for updating data

Contact

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