Clinical Trial Protocol
Iranian Registry of Clinical Trials

19 Nov 2026

The effect of daily electroconvulsive therapy on patients with refractory schizophrenia symptoms

Protocol summary

Summary

This study will be done with aim of determining the effect of daily electroconvulsive therapy (ECT) on patients with refractory schizophrenia. The present study is a non-blinded clinical trial. The study population is consisted of all patients with refractory schizophrenia that Admitted in Farabi hospital, Kermanshah. Among them 14 patients will be selected conveniently. And Will be divided into two groups (7 patients as experimental group and 7 patients as control group). Both groups will be evaluated by the Brief Psychiatric Rating Scale (BPRS) at the beginning of the study .The experimental group will be treated by ECT 6 times a week(daily) and the control group will be treated for 3 times a week (every other day). ECT will be done on non-dominant hemisphere with current of 0.9 AMPS, constant current of 450 volts, frequency of 10 to 70 Hz, pulswidth of 0.25 to 1.5 MS with duration of 0.14 to 7.99 Minute. The least number of ECT sessions will be 12sessions. Within 2 weeks before each period of ECT, patients Will be medication free in order to pass Wash out period. At the end of both periods, the patients Will be reevaluated based on the BPRS and both groups will be compared with each other. Inclusion criterion: Diagnosis of refractory schizophrenia, Exclusion criterion: Other psychiatric co-morbidity.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016090823705N7**
Registration date: **2016-11-30, 1395/09/10**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2016-11-30, 1395/09/10

Registrant information

Name

Mostafa Alikhani

Name of organization / entity

Kermanshah University of Medical Sciences - Substance Abuse Prevention Research Center

Country

Iran (Islamic Republic of)

Phone

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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Kermanshah University of Medical Sciences

Expected recruitment start date

2016-08-22, 1395/06/01

Expected recruitment end date

2017-08-23, 1396/06/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of daily electroconvulsive therapy on patients with refractory schizophrenia symptoms

Public title

The effect of daily electroconvulsive therapy in patients with refractory schizophrenia

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Diagnosis of refractory schizophrenia; range of age 18-65 years old; tendency to participate in

the project. Exclusion criteria : positive history of seizure or epilepsy that needed to persistent treatment; active blood Dyskrazy; leukopeny; obstructive pulmonary disease or Pulmonary emphysema; cardiovascular disease or myocardial infarction; hepatic or renal failure; urinary obstruction; closed angle glaucoma; toxic psychosis; moderate to severe mental retardation; other psychiatric co-morbidity

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: **14**

Randomization (investigator's opinion)
Not randomized

Randomization description

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Ethics committee of Kermanshah University of Medical Sciences

Street address
Building No.2, Shahid Beheshti, Vice Chancellor for Research Affairs, Kermanshah University of Medical Sciences

City
Kermanshah

Postal code

Approval date
2016-03-02, 1394/12/12

Ethics committee reference number
kums.rec.1394.441

Health conditions studied

1

Description of health condition studied
Schizophrenia

ICD-10 code
F20

ICD-10 code description
Schizophrenia

Primary outcomes

1

Description
Schizophrenia symptoms

Timepoint
The beginning of the study (baseline) and end of the study (week two)

Method of measurement
Brief Psychiatric Rating Scale (BPRS)

Secondary outcomes

empty

Intervention groups

1

Description
The experimental group will be under treatment by Electroconvulsive Therapy for 6 days a week (daily)

Category
Treatment - Drugs

2

Description
The control group ill be under treatment by for 3 times a week Electroconvulsive Therapy (every other day)

Category
Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center
Farabi Hospital

Full name of responsible person
Dr.Jalal Shakeri

Street address
Isar square, Farabi Hospital

City
Kermanshah

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Vice chancellor for research, Kermanshah University of Medical Sciences

Full name of responsible person
Koroush Hamzehee

Street address
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City
Kermanshah
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, Kermanshah 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
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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