

Clinical Trial Protocol

Iranian Registry of Clinical Trials

05 Aug 2026

Effect of electroconvulsive therapy on motor and psychiatric symptoms of drug-resistant Parkinson's patients

Protocol summary

Study aim

Effect of electroconvulsive therapy on motor and psychiatric symptoms of Parkinson's patients who resistant to drug treatment

Design

Open-label, single arm, clinical trial.

Settings and conduct

This study, which will be conducted at Farabi hospital in Kermanshah city, is not blinded one. Patients, along with ECT, will be treated with dopaminergic drugs. Patients at the beginning of the study, the end of the sixth week and follow up (one month after the end of the study) will be evaluated in terms of motor and psychiatric symptoms.

Participants/Inclusion and exclusion criteria

Inclusion criteria: Parkinson's patients with motor and psychiatric symptoms resistant to drug therapy; Age between 40 and 75 years
Exclusion criteria: Cardiovascular patients; Patients with cognitive impairment; Patients with the history of seizure, stroke

Intervention groups

The intervention group in addition to dopaminergic medications, will receive a 25-jule two-sided frontotemporal ectoplasmic twice a week. If the person does not get seizure, the next stimulus is performed at 50, 75, 100 jules. During this stage of anesthesia we can induce seizures up to 4 times

Main outcome variables

Motor symptoms; psychiatric symptoms

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20130812014333N95**

Registration date: **2018-06-15, 1397/03/25**

Registration timing: **registered_while_recruiting**

Last update: **2018-06-15, 1397/03/25**

Update count: **0**

Registration date

2018-06-15, 1397/03/25

Registrant information

Name

Feizollah Foroughi

Name of organization / entity

kermanshah University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 83 1821 4653

Email address

fforoughi@kums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2016-06-19, 1395/03/30

Expected recruitment end date

2018-08-21, 1397/05/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of electroconvulsive therapy on motor and psychiatric symptoms of drug-resistant Parkinson's patients

Public title

Electroconvulsive therapy and Parkinson

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:
Parkinson's patients with motor and psychiatric symptoms resistant to drug therapy Age between 40 and 75 years

Exclusion criteria:
Cardiovascular patients; Patients with cognitive impairment; Patients with the history of seizure, stroke

Age
From **40 years** old to **75 years** old

Gender
Both

Phase
2-3

Groups that have been masked
No information

Sample size
Target sample size: **16**

Randomization (investigator's opinion)
N/A

Randomization description

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Not used

Assignment
Single

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

Kermanshah

City

Kermanshah

Province

Kermanshah

Postal code

6715847141

Approval date

2018-02-28, 1396/12/09

Ethics committee reference number

ir.kums.rec.1396.44

Health conditions studied

1

Description of health condition studied

Parkinson

ICD-10 code

G20

ICD-10 code description

Parkinson's disease

Primary outcomes

1

Description

Motor symptoms

Timepoint

At the beginning of the study, the end of the sixth week and one month after the end of the study

Method of measurement

Using the Unified Parkinson's disease rating scale (UPDRS)

2

Description

Psychiatric symptoms

Timepoint

At the beginning of the study, the end of the sixth week and one month after the end of the study

Method of measurement

Using the Brief Psychiatric Rating Scale (BPRS)

Secondary outcomes

empty

Intervention groups

1

Description

The intervention group in addition to dopaminergic medications, will receive a 25-julestwo-sided frontotemporal ectoplasmic twice a week.If the person does not get seizure, the next stimulus is performed at 50, 75, 100 jules.During this stage of anesthesia we can induce seizures up to 4 times

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Farabi Hospital

Full name of responsible person

Jaza Rahkan

Street address

Eidar Square, Dolatabad Boulevard, Farabi Hospital

City

Kermanshah

Province

Kermanshah

Postal code

6715847141

Phone
+98 83 3826 1046
Email
pjsrahan@yahoo.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Kermanshah University of Medical Sciences
Full name of responsible person
Dr. Farid Najafi
Street address
Building No.2, Shahid Beheshti, Vice Chancellor for
Research Affairs, Kermanshah University of Medical
Sciences
City
Kermanshah
Province
Kermanshah
Postal code
6715847141
Phone
+98 83 3836 0014
Email
fnajafi@kums.ac.ir

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Kermanshah University of Medical Sciences

Proportion provided by this source

100

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

Academic

Person responsible for general inquiries

Contact

Name of organization / entity
Kermanshah University of Medical Sciences
Full name of responsible person
Jaza Rahkan
Position
Ph.D. student of psychiatry
Latest degree
Medical doctor
Other areas of specialty/work
Psychiatrics
Street address
Eidar Square, Dolatabad Boulevard, Farabi Hospital

City
Kermanshah
Province
Kermanshah
Postal code
6715847141
Phone
+98 83 3826 1046
Email
pjsrahan@yahoo.com

Person responsible for scientific inquiries

Contact

Name of organization / entity
Kermanshah University of Medical Sciences
Full name of responsible person
Dr. Jalal Shakeri
Position
Faculty Member of Kermanshah University of Medical
Sciences
Latest degree
Subspecialist
Other areas of specialty/work
Psychiatrics
Street address
Eidar Square, Dolatabad Boulevard, Farabi Hospital
City
Kermanshah
Province
Kermanshah
Postal code
6715847141
Phone
+98 83 3826 1046
Email
JShakerimd@yahoo.com

Person responsible for updating data

Contact

Name of organization / entity
Kermanshah University of Medical Sciences
Full name of responsible person
Jaza Rahkan
Position
Ph.D. student of psychiatry
Latest degree
Medical doctor
Other areas of specialty/work
Psychiatrics
Street address
Eidar Square, Dolatabad Boulevard, Farabi Hospital
City
Kermanshah
Province
Kermanshah
Postal code
6715847141
Phone
+98 83 3826 1046

Email

pjsrahan@yahoo.com

Sharing plan**Deidentified Individual Participant Data Set (IPD)**

Yes - There is a plan to make this available

Study Protocol

Yes - There is a plan to make this available

Statistical Analysis Plan

Not applicable

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

Yes - There is a plan to make this available

Analytic Code

Undecided - It is not yet known if there will be a plan to make this available

Data Dictionary

Not applicable

Title and more details about the data/document

The main outcomes of the study will be shared

When the data will become available and for how long

3 months

To whom data/document is available

En If requested, results will be made available to other academic researchers

Under which criteria data/document could be used

Collected data is confidential and will not be shared with anyone else

From where data/document is obtainable

To receive the documentation, email send for update manager

What processes are involved for a request to access data/document

In a 15-day period, the documents will be sent e-mail

Comments