Clinical Trial Protocol
Iranian Registry of Clinical Trials

20 Jun 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-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

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
pjsrahkan@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
pjsrahkan@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
pjsrahkan@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