

Clinical Trial Protocol

Iranian Registry of Clinical Trials

27 May 2026

Evaluation of chargeable amino acids effects on intractable epileptic patients

Protocol summary

Summary

Epilepsy is one of the most common and chronic disease of central nervous system. Prevalence of epilepsy is 0.5-1/100 populations. Despite the recent developments in treatment of epilepsy and use new antiepileptic drugs, suggested more than 50 million populations of world have active epilepsy. Between 20-30% of patients don't have a good response to drugs. The aim of this study is better control of intractable epilepsy by foods (add chargeable amino acids). I will evaluate the effects of Glutamic acid, lysine and arginine (3 time of daily need) at mornings for two weeks. Inclusion criteria's are the epileptic patients which didn't response to anti convulsant drugs , at least passed one year after diagnosis, the patients selected who have 2-3 seizure per week despite used anticonvulsant drugs (poly therapy) and the end signed the consent form . Exclusion criteria are: The patients have other disorder, pregnant women, viral infections, side effects and non-compliant patients. The frequency of seizure calculate by patients or one of family member every day, and then compared the number of attacks one week before starting, first week after starting and second week after starting. The data analyzed descriptively and some findings have compared by T test.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201112178436N1**
Registration date: **2012-03-03, 1390/12/13**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2012-03-03, 1390/12/13

Registrant information

Name

Hossein Ali Ebrahimi

Name of organization / entity

Neurology Research Center

Country

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Recruitment status

Recruitment complete

Funding source

Kerman University of Medical Sciences

Expected recruitment start date

2012-02-01, 1390/11/12

Expected recruitment end date

2013-02-01, 1391/11/13

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of chargeable amino acids effects on intractable epileptic patients

Public title

Evaluation of chargeable amino acids effects on intractable epileptic patients

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criterion: all epileptic patients that do not have any response to antiepileptic drug. Exclusion criteria: pregnant women; lactating women; history of psychiatric diseases; viral infection and other serious diseases.

Age

No age limit

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: 30

Randomization (investigator's opinion)

Randomized

Randomization description**Blinding (investigator's opinion)**

Single blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Vice Chancellor of research - Kerman University of medical sciences

Street address

Jahad Cross way

City

Kerman

Postal code**Approval date**

2011-12-21, 1390/09/30

Ethics committee reference number

90/373/K

Health conditions studied**1****Description of health condition studied**

Epilepsy

ICD-10 code

G40

ICD-10 code description

Epilepsy

Primary outcomes**1****Description**

Epileptic attacks

Timepoint

Two weeks

Method of measurement

Number of attacks

Secondary outcomes**1****Description**

The number of seizure attacks

Timepoint

For three weeks (one before and one in first week an other in second week)

Method of measurement

The number of seizure attacks reported by patients or family

Intervention groups**1****Description**

Group 3 (10patients) recived Arginine (three times of daily needs) for two weeks before breakfast.

Category

Treatment - Drugs

2**Description**

Intractable epileptic patients have studded. Group 1(10 patients) recieved Glutamic acid (Three times of daily needs) for two weeks every morning before breakfast .

Category

Other

3**Description**

Group 2 (10 patients) recived Lyzine (three times of daily needs) for two weeks befor break fast

Category

Treatment - Drugs

Recruitment centers**1****Recruitment center****Name of recruitment center**

Shafa Medical Center

Full name of responsible person

Dr Hossein Alli Ebrahimi

Street address

Bldv. Kosar

City

Kerman

2**Recruitment center**

Name of recruitment center
Dr. Hossein Ali Ebrahimi Office
Full name of responsible person
Dr. Hossein Ali Ebrahimi
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Esteghlal Building - Esteghlal Avenue
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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Neurology Research Center
Full name of responsible person
Dr Hossein Ali Ebrahimi
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Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Neurology Research Center
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

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Person responsible for updating data

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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