

Clinical Trial Protocol

Iranian Registry of Clinical Trials

09 Jun 2026

Effect of Vitamin E on Oxidative stress markers lipids,protein, in children suffering of idiopathic Epilepsy

Protocol summary

Summary

Aims: we studied the effect of vitamin E as an antioxidant on oxidative stress markers such as Malondialdehyde(MDA) and protein carbonyl(PC) in idiopathic epilepsy children with vitamin D deficiency. Design: Idiopathic epilepsy children were divided into two groups. One group treated with 50000 Iu vitamin D for 8 weeks and the other was treated with 100 unit vitamin E daily plus 50000 Iu vitamin D for 8 weeks. MDA and PC were measured by Spectrophotometer method. Data was analyzed by SPSS.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015060113051N3**
Registration date: **2015-08-03, 1394/05/12**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2015-08-03, 1394/05/12

Registrant information

Name

Javad Mohiti Ardekani

Name of organization / entity

Yazd University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 35 1820 3410

Email address

mohiti@ssu.ac.ir

Recruitment status

Recruitment complete

Funding source

Yazd University of Medical Sciences

Expected recruitment start date

2013-01-15, 1391/10/26

Expected recruitment end date

2014-11-14, 1393/08/23

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of Vitamin E on Oxidative stress markers lipids,protein, in children suffering of idiopathic Epilepsy

Public title

Effect of Vitamin E on Epilepsy

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: patients aged between 2-14 years old; idiopathic epilepsy and no history of Vitamin D or E administration in last two months. Exclusion criteria: allergic diseases; mental retardation.

Age

From **2 years** old to **14 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **30**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded
Blinding description
Placebo
Not used
Assignment
Parallel
Other design features

Secondary Ids

1
Registry name
student thesis
Secondary trial Id
1393
Registration date
1992-12-12, 1371/09/21

Ethics committees

1
Ethics committee
Name of ethics committee
Yazd University of Medical Sciences Ethic commity
Street address
Yazd University of Medical Sciences, Bahonar Sq.
City
Yazd
Postal code
Approval date
2010-09-23, 1389/07/01
Ethics committee reference number
1392-245

Health conditions studied

1
Description of health condition studied
Epilepsy
ICD-10 code
G40
ICD-10 code description
Epilepsy

Primary outcomes

1
Description
Vitami D
Timepoint
At the beginning of the study
Method of measurement
ELISA

Secondary outcomes

1
Description
Vitamin E
Timepoint
At the beginnig and end of the study
Method of measurement
ELSIA

Intervention groups

1
Description
One group treated with 50000 unit vitamin D for 8 weeks and the other was treated with 100 unit vitamin E daily plus 50000 unit vitamin D for 8 weeks
Category
Treatment - Drugs

Recruitment centers

1
Recruitment center
Name of recruitment center
Shahid Sadoughi Univesity od medical Science
Full name of responsible person
Dr Mehran Karimi
Street address
yazd. Bouvar Shhid Ghandi
City
yazd

Sponsors / Funding sources

1
Sponsor
Name of organization / entity
Yazd University of Medical Sciences
Full name of responsible person
Dr. Mehrparvar
Street address
Yazd University of Medical Sciences, Bahonat Sq.
City
Yazd
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Yazd 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
Dept of Biochemistry, Yazd University of Medical Science
Full name of responsible person
Dr Javad Mohiti
Position
PhD in Biochemistry
Other areas of specialty/work
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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