Clinical Trial Protocol
Iranian Registry of Clinical Trials

07 Nov 2026

Effect of vitamin D3 on frequency and severity of migraine headache in patients referred to neurology clinic of Rasool Akram Hospital in Tehran,1392

Protocol summary

Summary

Migraine is common all over the world.In this study we assessed relationship between serum vitamin D level with migraine headache frequency and severity in migraine patients referred to Neurology Clinic of Rasoul Akram Hospital, Tehran, Iran, 2013. Totally 70 migraine patients according to neurologist diagnosis were selected.Those with underlying diseases such as hyper para thyroidisim, renal stone, renal impairment were excluded. Serum vitamin D level were measured. patients are divided into 2 equal groups. First group is given 1000 IU vitamin D3 daily for 11 weeks. Second group is given the same amount of placebo. 1.5 month later, serum vitamin D level is rechecked in order to preventing hyper vitaminosys of vitamin D.After 3 months all patients are asked to come to the Clinic and their information regarding frequency and severity of headache will be recorded for further comparison and conclusion.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2013101415020N1**
Registration date: **2013-12-14, 1392/09/23**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2013-12-14, 1392/09/23

Registrant information

Name

Seyyedeh Maryam Hashemi

Name of organization / entity

Semnan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 23 1444 8996

Email address

info@sem-ums.ac.ir

Recruitment status

Recruitment complete

Funding source

Semnan University Of Medical Sciences

Expected recruitment start date

2013-10-07, 1392/07/15

Expected recruitment end date

2013-11-21, 1392/08/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of vitamin D3 on frequency and severity of migraine headache in patients referred to neurology clinic of Rasool Akram Hospital in Tehran,1392

Public title

migraine headache attacks prevention by prescribing vitamin D

Purpose

Prevention

Inclusion/Exclusion criteria

inclusion criteria: patients with a diagnosis of migraine headache with no history of underlying diseases such as hyperparathyroidism; cardiac diseases; renal impairment; renal stone; normal or lower serum vitamin D level; no drug history of those interacting with serum

vitamin D level exclusion criteria:increasing in serum vitamin D levels over than normal.

Age
No age limit

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **70**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Semnan University of Medical Sciences

Street address
Semnan University of Medical Sciences, Basij Blvd, Semnan

City
Semnan

Postal code
3519899951

Approval date
2013-09-01, 1392/06/10

Ethics committee reference number
92/16/6919

Health conditions studied

1

Description of health condition studied
migraine headaches

ICD-10 code
G43

ICD-10 code description
migraine

Primary outcomes

1

Description
frequency of migraine headaches

Timepoint
before intervention, 3months after the initial intervention

Method of measurement
standard questionnarie

2

Description
severity of migraine headaches

Timepoint
before intervention, 3months after initial intervention

Method of measurement
Visual Analouge Scale

Secondary outcomes

1

Description
increasing in serum vitamin D level more than normal level

Timepoint
before intervention,1.5 month after the initial intervention

Method of measurement
serum vitamin D level in blood sample

Intervention groups

1

Description
each patient is given 1000 IU of oral vitamin D3 daily for 11 weeks.

Category
Treatment - Drugs

2

Description
each patient is given 1000 IU of oral placebo daily for 11 weeks

Category
Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center
Rasoul Akram Hospital

Full name of responsible person
Dr Mehdi Moghaddasi

Street address
Rasoul Akram hospital,Niyayesh Street,Sattar khan Street,Tehran

City

Tehran

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Semnan University of Medical Sciences
Full name of responsible person
research deputy of Semnan University of Medical Sciences, Dr Asgari
Street address
Semnan University of Medical Sciences, Basij Blvd, Semnan
City
Semnan
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Semnan 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
Semnan University of Medical Sciences
Full name of responsible person
Seyyedeh Maryam Hashemi
Position
Researcher
Other areas of specialty/work
Street address
Semnan University of Medical Sciences, Basij Blvd, Semnan
City
Semnan
Postal code
3519899951
Phone
+98 23 1444 8998
Fax
+98 23 1444 8999
Email
s.mary.hashemi@gamil.cominfo@sem-ums.ac.ir
Web page address
http://www.sem-ums.ac.ir

Person responsible for scientific inquiries

Contact
Name of organization / entity
Tehran University of Medical Sciences
Full name of responsible person
Mehdi Moghaddasi
Position
Associated Professor
Other areas of specialty/work
Street address
Tehran University of Medical Sciences, Hemmat Expressway.Tehran
City
Tehran
Postal code
Phone
+98 88622741
Fax
Email
s.mary.hashemi@gmail.commoghaddasim@hotmail.com
Web page address

Person responsible for updating data

Contact
Name of organization / entity
Semnan University of Medical Sciences
Full name of responsible person
Seyyedeh Maryam Hashemi
Position
Student
Other areas of specialty/work
Street address
Semnan University of Medical Sciences, Basij Blvd, Semnan
City
Semnan
Postal code
3519899951
Phone
+98 23 1444 8996
Fax
Email
s.mary.hashemi@gmail.com
Web page address

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