Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 2026

Effect of omega3 supplementation on serum adiponectin, leptin and E-selectin after myocardial infraction

Protocol summary

Summary

Aim: To determination the effect of omega3 supplementation on serum adiponectin, leptin and E-selectin after myocardial infraction Study design: Randomized, duble blined, placebo-control Study population:patiens with MI reffered to Ahvaz golestan Hospital Intervention:omega-3 supplement 3g/day duration: 10 weeks

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2012070410181N1**
Registration date: **2014-07-24, 1393/05/02**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2014-07-24, 1393/05/02

Registrant information

Name
Fatemeh Heidari
Name of organization / entity
Ahvaz Jundishapur University of Medical Sciences
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Iran (Islamic Republic of)
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+98 61 1373 8255
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haidari-f@ajums.ac.ir

Recruitment status

Recruitment complete

Funding source

Ahvaz Jundishapur University of Medical Sciences

Expected recruitment start date

2012-08-22, 1391/06/01

Expected recruitment end date

2012-11-21, 1391/09/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of omega3 supplementation on serum adiponectin, leptin and E-selectin after myocardial infraction

Public title

Effect of omega3 supplementation on serum adiponectin, leptin and E-selectin after myocardial infraction

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: without chronic diseases such as liver disorders;kidney failure; did not use of w-3; vitamin C and vitamin E supplement;did not use of drug affecting on w-3 metabolism

Age

From **45 years** old to **65 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **42**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo
Used
Assignment
Parallel
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Ahvaz Jundishapur University of vMedical Sciences
Street address
Ahvaz Jundishapur University of vMedical Sciences
City
Ahvaz
Postal code
Approval date
2012-06-18, 1391/03/29
Ethics committee reference number
505

Health conditions studied

1

Description of health condition studied
Myocardial Infarction
ICD-10 code
I21
ICD-10 code description
Acute myocardial infarction

Primary outcomes

1

Description
leptin
Timepoint
before intervention and after10 weeks intervention
Method of measurement
plasma levels

2

Description
e-selectin
Timepoint
before intervention and after10 weeks intervention
Method of measurement
plasma levels

3

Description
adiponectin
Timepoint
before intervention and after10 weeks intervention
Method of measurement
plasma levels

Secondary outcomes

empty

Intervention groups

1

Description
3 gr omega 3supplement،3capsules،1 gr each،is consumed daily by the case group for 10 weeks
Category
Treatment - Drugs

2

Description
3 gr paraffin supplement،3capsules،1 gr each،is consumed daily by the case group for 10 weeks
Category
Placebo

Recruitment centers

1

Recruitment center
Name of recruitment center
Emam khomeini hospital Ahvaz
Full name of responsible person
Dr. Habib Heibar
Street address
Golestan, Golestan Hospital in Ahvaz
City
Ahvaz

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Nutrition and Metabolic Diseases Reearch Center in Ahvaz Jundishapur University of Medical sciences
Full name of responsible person
Dr. Majid Karandish
Street address
Ahvaz Jundishapur University of Medical sciences
City
Ahvaz
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Nutrition and Metabolic Diseases Reearch Center in

Ahvaz Jundishapur 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

Ahvaz Jundishapur University of Medical Sciences

Full name of responsible person

Fatemeh Haidari

Position

Ph.d of Nutrition

Other areas of specialty/work

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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