

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 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, duple blinded, placebo-control Study population:patients 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

Country

Iran (Islamic Republic of)

Phone

+98 61 1373 8255

Email address

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 Research 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 Research 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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Person responsible for updating data

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Name of organization / entity

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Fatemeh Haidari

Position

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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