

Clinical Trial Protocol

Iranian Registry of Clinical Trials

08 Jun 2026

The effect of omega3 supplementation in preeclampsia in pregnant women at risk in Qazvin

Protocol summary

Vice-Chancellor for Research of Qazvin University of Medical Sciences, Zahravi medicine company

Summary

The objective of this study was to assess the effects of Omega-3 supplementation on high risk pregnancy for preeclampsia in Qazvin. 100 high risk pregnant women for preeclampsia between 14-18 weeks of gestation were included. 50 women were randomly assigned to receive omega-3, 1000 mg daily, till the end of pregnancy and 50 received placebo. Then preeclampsia rate and pregnancy outcome were assessed in two groups.

Expected recruitment start date

2007-09-23, 1386/07/01

Expected recruitment end date

2009-04-21, 1388/02/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138706061113N1**

Registration date: **2010-03-27, 1389/01/07**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2010-03-27, 1389/01/07

Registrant information

Name

Fatemeh Ranjkesh

Name of organization / entity

Qazvin University Of Medical Sciences, Nursing & Midwifery school

Country

Iran (Islamic Republic of)

Phone

+98 28 1335 9501

Email address

franjkesh@qums.ac.ir

Recruitment status

Recruitment complete

Funding source

Scientific title

The effect of omega3 supplementation in preeclampsia in pregnant women at risk in Qazvin

Public title

The effect of omega3 supplementation in preeclampsia in pregnant women at risk in Qazvin

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: pregnant women whose gestational age is between 14 to 18 weeks and are ready to cooperate, being high risk for preeclampsia (first gravidy, under the age of 20 and over 40, a history of preeclampsia during the previous gravidy or immediate member of family, BMI more than 29, history of twin fetuses); Inclusion criteria: consumption of Aspirin, Calcium, anticoagulants, allergy to omega3 or fish, presence digestive diseases which need to treatment,

Age

From **15 years** old to **45 years** old

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **100**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Qazvin University of Medical Sciences, Deputy for research

Street address

Deputy for research, Qazvin University of Medical Sciences, Shahid Bahonar blvd.

City

Qazvin

Postal code

Approval date

2007-09-21, 1386/06/30

Ethics committee reference number

28/20/2696

Health conditions studied

1

Description of health condition studied

Preeclampsia

ICD-10 code

014

ICD-10 code description

Gestational [pregnancy-induced] hypertension with significant proteinuria

Primary outcomes

1

Description

hypertention

Timepoint

Every 4 hours

Method of measurement

determination of BP by the auscultatory method

2

Description

Proteinuria

Timepoint

daily

Method of measurement

Urine Protein

Secondary outcomes

1

Description

level of liver enzymes

Timepoint

daily

Method of measurement

laboratory

2

Description

headache

Timepoint

Every 4 hours

Method of measurement

Asking from patients

3

Description

thrombocytopenia

Timepoint

daily

Method of measurement

laboratory

4

Description

abdominal pain

Timepoint

Every 4 hours

Method of measurement

Asking from patients

5

Description

vision problems

Timepoint

Every 4 hours

Method of measurement

Asking from patients

Intervention groups

1

Description

Omega-3, 1gram for 24 weeks

Category

Treatment - Drugs

2

Description

Placebo for 24 weeks

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Urban Health centers of Qazvin

Full name of responsible person

Street address

City

Qazvin

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Qazvin University of Medical Sciences, Zahravi drug company

Full name of responsible person

Fatemeh Ranjkesh

Street address

p.o.box: 34197-59811, nursing and midwifery faculty, Qazvin University of Medical Sciences

City

Qazvin

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Qazvin University of Medical Sciences, Zahravi drug company

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

nursing and midwifery school

Full name of responsible person

Fatemeh Ranjkesh

Position

Msc in Midwifery,

Other areas of specialty/work

Street address

p.o.box: 34197-59811, nursing and midwifery faculty, Qazvin University of Medical Sciences

City

Qazvin

Postal code

Phone

+98 28 1377 4540

Fax

Email

franjkes@qums.ac.ir

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

nursing and midwifery school

Full name of responsible person

Fatemeh Ranjkesh

Position

Msc in Midwifery

Other areas of specialty/work

Street address

p.o.box: 34197-59811, nursing and midwifery faculty, Qazvin University of Medical Sciences

City

Qazvin

Postal code

Phone

+98 28 1377 4540

Fax

+98 28 1377 4540

Email

franjkes@qums.ac.ir

Web page address

Person responsible for updating data

Contact

Name of organization / entity

nursing and midwifery school

Full name of responsible person

Fatemeh Ranjkesh

Position

Msc in Midwifery

Other areas of specialty/work

Street address

p.o.box: 34197-59811, nursing and midwifery faculty, Qazvin University of Medical Sciences

City

Qazvin

Postal code

Phone

Fax

Email

franjkes@qums.ac.ir

Web page address

empty

Sharing plan

Informed Consent Form

empty

Deidentified Individual Participant Data Set (IPD)

Clinical Study Report

empty

empty

Study Protocol

Analytic Code

empty

empty

Data Dictionary

Statistical Analysis Plan

empty