

Clinical Trial Protocol

Iranian Registry of Clinical Trials

08 Jun 2026

Effect of Fish-oil fatty acid Supplementation on Tuberculin skin test in young healthy volunteers

Protocol summary

Summary

Objective: The effect of fish oil on the tuberculin skin test in healthy volunteers Study design: clinical trial, single-blinded, controlled without placebo. Study population Main inclusion criteria: all medicine, nursing, midwifery students of Qazvin University of Medical Sciences in 2013 and 2014 Main exclusion criteria: known allergy to PPD, immunodeficiency, immunosuppressive drugs such as corticosteroids Sample size: 175 volunteers. Intervention: students were randomly assigned to two groups receiving fish oil and control. All participants will be tested with 0.1 ml PPD (baseline and after 1 week). The fish oil capsules (daily) for 5 days will be used for first group. intervention time: 2013 and 2014. primary outcome: the maximum transverse diameter of induration after PPD test

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015040620882N2**
Registration date: **2015-05-24, 1394/03/03**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2015-05-24, 1394/03/03

Registrant information

Name

Abbas Allami

Name of organization / entity

Qazvin University of Medical Science

Country

Iran (Islamic Republic of)

Phone

+98 28 3337 9630

Email address

allami@qums.ac.ir

Recruitment status

Recruitment complete

Funding source

Qazvin University of Medical Sciences

Expected recruitment start date

2013-08-22, 1392/05/31

Expected recruitment end date

2014-08-22, 1393/05/31

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of Fish-oil fatty acid Supplementation on Tuberculin skin test in young healthy volunteers

Public title

Effect of Fish-oil fatty acid Supplementation on immune function

Purpose

Diagnostic

Inclusion/Exclusion criteria

Inclusion criteria: medical, nursing and obstetrics students of Qazvin University of Medical Sciences, 18-46 years old Exclusion criteria: healthy human volunteer

Age

From **18 years** old to **46 years** old

Gender

Both

Phase

4

Groups that have been masked

No information

Sample size

Target sample size: 175

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Regional Research Ethics Committee of the Qazvin University of Medical Sciences

Street address

Qazvin University of Medical Sciences, Bahonar Blvd. , Qazvin, Iran

City

Qazvin

Postal code

Approval date

2015-03-08, 1393/12/17

Ethics committee reference number

9839/20/28

Health conditions studied

1

Description of health condition studied

Immune response to tuberculin test

ICD-10 code

A16.7

ICD-10 code description

Primary respiratory tuberculosis without mention of bacteriological or histological confirmation

Primary outcomes

1

Description

Tuberculin test induration size

Timepoint

on the second and ninth days

Method of measurement

With a ruler

Secondary outcomes

empty

Intervention groups

1

Description

group receiving fish oil: fish oil gel capsules daily containing 180 mg of eicosapentaenoic (EPA) and 120 mg docosahexaenoic (DHA) for 5 days

Category

Treatment - Drugs

2

Description

Controls: No action

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

Qazvin University of Medical Sciences

Full name of responsible person

Abbas Allami

Street address

College of medicine, Qazvin University of Medical Sciences, Bahonar Blvd. , Qazvin, Iran

City

Qazvin

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Qazvin University of Medical Sciences

Full name of responsible person

Dr Mehrnaz Abbasi

Street address

College of medicine, Qazvin University of Medical Sciences, Bahonar Blvd. , Qazvin, Iran

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

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

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Web page address**Person responsible for general inquiries****Contact****Name of organization / entity**

Qazvin University of Medical Sciences

Full name of responsible person

Dr Abbas Allami

Position

Associated professor

Other areas of specialty/work**Street address**

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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