

Clinical Trial Protocol

Iranian Registry of Clinical Trials

06 Jul 2026

The Effect of Coenzyme Q10 in comparison with placebo on CD4 in HIV-infected patients

Protocol summary

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Summary

In this randomized, double-blind, clinical trial study the aim is to assess the effects of CoQ 10 on patients infected with human immunodeficiency virus. In all patients, CD4 at baseline will be measured by flow cytometry. BUN, Cr, liver enzymes plasma level and CBC is measured and recorded. Then patients will be randomly divided into two groups using block randomization method. One group will receive 200 mg/day CoQ 10 and the other group will receive placebo which is in similar shape, color and size to the CoQ10 drug. All the parameters that had been measured a baseline will be measured again after 3 months and will be compared in the two groups.

Recruitment status

Recruitment complete

Funding source

Ahvaz Jundishapur University of Medical Sciences

Expected recruitment start date

2013-04-21, 1392/02/01

Expected recruitment end date

2014-04-21, 1393/02/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201108027197N1**

Registration date: **2013-11-13, 1392/08/22**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2013-11-13, 1392/08/22

Registrant information

Name

Farid Yousefi

Name of organization / entity

Ahvaz Jundishapur University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 61 1333 5935

Email address

Scientific title

The Effect of Coenzyme Q10 in comparison with placebo on CD4 in HIV-infected patients

Public title

The Therapeutic Effect of Coenzyme Q10 in HIV-Infected Patients

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria : HIV-infected adults that HIV confirmed with 2 positive result of ELISA and western blot test and they are in treatment with ART Exclusion criteria: 1- Lymphoma or other malignancies 2- Corticosteroids usage 3- Autoimmune Diseases 4- Advanced Pulmonary Tuberculosis 5- Pregnancy

Age

From **18 years** old to **70 years** old

Gender

Both

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: 76

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Patients and outcome assessor are blind to treatment groups

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Ahvaz Jundishapur University of Medical Sciences

Street address

Ahvaz Jundishapur University of Medical Sciences

City

Ahvaz

Postal code

Approval date

2011-05-21, 1390/02/31

Ethics committee reference number

ETH-152

Health conditions studied

1

Description of health condition studied

Human immunodeficiency virus

ICD-10 code

B20

ICD-10 code description

Human immunodeficiency virus disease

Primary outcomes

1

Description

CD4 level

Timepoint

Base line and 3 months after initiation of treatment

Method of measurement

flow cytometry method

Secondary outcomes

1

Description

ALT

Timepoint

Baseline and 3 months after initiation of treatment

Method of measurement

Device analysis

2

Description

AST

Timepoint

Baseline and 3 months after initiation of treatment

Method of measurement

Device analysis

3

Description

BUN

Timepoint

Baseline and 3 months after initiation of treatment

Method of measurement

Device analysis

4

Description

Cr

Timepoint

Baseline and 3 months after initiation of treatment

Method of measurement

Device analysis

5

Description

CBC

Timepoint

Baseline and 3 months after initiation of treatment

Method of measurement

Device analysis

Intervention groups

1

Description

CoQ10 200 mg/day for 3 months

Category

Treatment - Drugs

2

Description

Placebo 200 mg/day for 3 months

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Razi Hospital

Full name of responsible person

Street address

City

Ahvaz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research of Ahvaz Jundishapur
University of Medical Sciences

Full name of responsible person

Mohammadreza Abbaspour

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

Vice chancellor for research of 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 Roozbeh

Position

Resident

Other areas of specialty/work

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Person responsible for scientific inquiries

Contact

Name of organization / entity

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Position

Assistant professor

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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Full name of responsible person

Fatemeh Roozbeh

Position

Resident

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Email

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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