

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

Evaluation the effect of curcumine on the inflammatory factors and lipid profile of patients with a history of acute coronary syndrome

Protocol summary

Study aim

The aim of this study was to investigate the effect of curcumin on inflammatory and lipid profiles of patients with a history of acute coronary syndrome. The test will be started in the Baghiyatollah hospital Tehran, Iran and 80 patients will be evaluated that these patients will take 500 mg of curcumin capsules daily for 4 weeks.

Design

In this study, 80 patients with a history of acute coronary syndrome are studied and were divided into two groups that will take curcumin or placebo.

Settings and conduct

This study is done in the Heart disease center, Baqiyatollah hospital Tehran, Iran. Double blind randomized method

Participants/Inclusion and exclusion criteria

Patients referred to the Baghiyatollah hospital are selected using simple non-random sampling. Since curcumin has anticoagulant and diluent properties and is based on animal studies, it is likely that it will interfere with anticoagulants. Patients with the following conditions will not be included in the study: age over 75 years; use of anticoagulants and warfarin; peptic ulcer; history of bleeding, especially gastrointestinal bleeding; child bleeding; history of major surgery or recent trauma; heart failure.

Intervention groups

There are two intervention groups in this study: a group that receives 500 mg of curcumin and a group that receives placebo in the same form as curcumin capsules

Main outcome variables

Changes in hs-CRP and non-HDL cholestrole levels after 4 weeks of using curcumin

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20080901001165N39**

Registration date: **2019-04-24, 1398/02/04**

Registration timing: **registered_while_recruiting**

Last update: **2019-04-24, 1398/02/04**

Update count: **0**

Registration date

2019-04-24, 1398/02/04

Registrant information

Name

Yunes Panahi

Name of organization / entity

Baqiyatallah University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 21 8821 1524

Email address

yunespanahi@bmsu.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2018-12-31, 1397/10/10

Expected recruitment end date

2019-04-30, 1398/02/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation the effect of curcumine on the inflammatory factors and lipid profile of patients with a history of acute coronary syndrome

Public title

Effect of curcumine (tumeric) on the inflammatory factors and lipid profile of patients with a history of acute coronary syndrome

Purpose

Treatment

Inclusion/Exclusion criteria**Inclusion criteria:**

All patients with a history of acute coronary syndrome
Under the age of 75 y/o

Exclusion criteria:

Age over 75 years Use of anticoagulants and warfarin
Peptic ulcer History of bleeding, especially
gastrointestinal bleeding Child bleeding History of major
surgery or recent trauma Severe heart failure

Age

From **12 years** old to **75 years** old

Gender

Both

Phase

N/A

Groups that have been masked

- Participant
- Care provider
- Investigator
- Outcome assessor
- Data analyser
- Data and Safety Monitoring Board

Sample size

Target sample size: **80**

Randomization (investigator's opinion)

Randomized

Randomization description

Random assignment to intervention and control groups;
randomize using random numbers.

Blinding (investigator's opinion)

Double blinded

Blinding description

The study is done in double blind ways, in which both the researcher and the patient do not know if they received the drug or placebo. But it is explained to the patient who is participating in the study and may receive a drug or placebo.

Placebo

Used

Assignment

Parallel

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Ethics Committee of Tehran Islamic Azad University of

Medical Sciences

Street address

Yakhchal street, Gholhak, Dr. Shariati ave.

City

Tehran

Province

Tehran

Postal code

1941933111

Approval date

2018-10-14, 1397/07/22

Ethics committee reference number

IR.IAU.PS.REC.1397.276

Health conditions studied**1****Description of health condition studied**

Acute coronary syndrome

ICD-10 code

I21

ICD-10 code description

ST elevation (STEMI) and non-ST elevation (NSTEMI)
myocardial infarction

Primary outcomes**1****Description**

Lipid profile changes

Timepoint

Baseline, 4 weeks after the start of the intervention

Method of measurement

Lab testing of lipid profile

Secondary outcomes**1****Description**

decrease of inflammatory factors such as crp

Timepoint

Baseline, 4 weeks after the start of the intervention

Method of measurement

Lab testing of inflammatory factors such as CRP

Intervention groups**1****Description**

Intervention group: pateints of the treatment group will
recieve curcumin capsule (500 mg) every day after
breakfast for 30 days

Category

Treatment - Drugs

2

Description

Control group: patients of the treatment group will receive placebo every day after breakfast for 30 days

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Baghiyyatollah University of Medical Sciences

Full name of responsible person

Yunes Panahi

Street address

Mollasadr Avn

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Bagheiat-allah University of Medical Sciences

Full name of responsible person

Dr.amirhosein sahebkar

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Amir_saheb2000@yahoo.com

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Bagheiat-allah University of Medical Sciences

Proportion provided by this source

100

Public or private sector

Private

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

Academic

Person responsible for general inquiries

Contact

Name of organization / entity

Bagheiat-allah University of Medical Sciences

Full name of responsible person

Yunes panahi

Position

clinical Pharmacy dr

Latest degree

Ph.D.

Other areas of specialty/work

Medical Pharmacy

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Bagheiat-allah University of Medical Sciences

Full name of responsible person

Yunes Panahi

Position

clinical pharmacy dr

Latest degree

Ph.D.

Other areas of specialty/work

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Person responsible for updating data

Contact

Name of organization / entity

Islamic Azad University

Full name of responsible person

Zohre Mazhari

Position

pharmacy student

Latest degree

Medical doctor

Other areas of specialty/work

Medical Pharmacy

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Yes - There is a plan to make this available

Study Protocol

Undecided - It is not yet known if there will be a plan to make this available

Statistical Analysis Plan

Undecided - It is not yet known if there will be a plan to make this available

Informed Consent Form

Undecided - It is not yet known if there will be a plan to make this available

Clinical Study Report

Undecided - It is not yet known if there will be a plan to make this available

Analytic Code

Undecided - It is not yet known if there will be a plan to make this available

Data Dictionary

Undecided - It is not yet known if there will be a plan to make this available

Title and more details about the data/document

Information on the main consequence of the request and after review by the administrators is available for sharing

When the data will become available and for how long

Start the access period 6 months after printing the results

To whom data/document is available

Only available to scholars working in academic and academic institutions.

Under which criteria data/document could be used

not known until now

From where data/document is obtainable

dr yunes panahi in baghiyatollah hospital

What processes are involved for a request to access data/document

Submit a written request - Review by the principal responsible for studying and providing information

Comments