

# 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

##### City

Tehran

##### Province

Tehran

##### Postal code

1435916471

##### Phone

+98 21 8248 2503

##### Email

Yunespanahi@bmsu.ac.ir

## Sponsors / Funding sources

### 1

#### Sponsor

##### Name of organization / entity

Bagheiat-allah University of Medical Sciences

##### Full name of responsible person

Dr.amirhosein sahebkar

##### Street address

Mollasadra ave.

##### City

tehran

##### Province

Tehran

##### Postal code

1435916471

##### Phone

+98 21 8248 2503

##### Email

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

#### Street address

Mollasadra ave.

#### City

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#### Province

Tehran

#### Postal code

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#### Phone

+98 21 8248 2503

#### Email

Yunespanahi@bmsu.ac.ir

## 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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#### Phone

+98 21 8248 2503

#### Email

Yunespanahi@bmsu.ac.ir

## 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

**Street address**

Yakhchal street, Gholhak, Dr. Shariati ave.

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**Phone**

+98 21226400515

**Email**

mazhari\_zohre@yahoo.com

## 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**