

Clinical Trial Protocol

Iranian Registry of Clinical Trials

19 Jun 2026

Investigating the effect of curcumin-piperine supplementation in accelerating the recovery period of patients with covid-19

Protocol summary

Registration timing: **registered_while_recruiting**

Study aim

Investigating the effect of curcumin supplementation on improving inflammatory parameters and regulating coagulation factors in patients with covid-19

Last update: **2020-08-10, 1399/05/20**

Update count: **0**

Registration date

2020-08-10, 1399/05/20

Design

The study is a phase-3 randomized double-blind clinical trial, in which people with covid-19 will be divided into two groups with 30 people taking curcumin supplements and 30 people taking placebo. Random allocation software will be used to randomize samples into two treatment and placebo groups.

Registrant information

Name

Majid Teremmahi Ardestani

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 76 3366 6367

Email address

majidardestani50@gmail.com

Settings and conduct

This study is a phase-3 double-blind clinical trial. People with covid-19 who will refer to the Prophet's hospital will be selected. Random Allocation software will be used to randomize the sample to two treatment groups and placebo in Random Allocation software. Capsules will be stored and given in similar packages (with A and B marks) to patients by an out-of-study person.

Recruitment status

Recruitment complete

Funding source

Participants/Inclusion and exclusion criteria

Inclusion criteria: Covid-19 approved patients with PCR or CT-SCAN testing, satisfaction to participation, Aged 18-70 years. Exclusion criteria: history of susceptibility to jaundice, biliary disorders, cardiovascular disorders and recipients of anticoagulants.

Expected recruitment start date

2020-08-05, 1399/05/15

Expected recruitment end date

2020-08-20, 1399/05/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Intervention groups

- 1- Patients receiving curcumin supplementation
- 2- Patients receiving placebo

Trial completion date

empty

Main outcome variables

ct-scan findings; Hospitalization duration; CBC; LDH; PT; PTT; D-DIMER; BUN / CR.

Scientific title

Investigating the effect of curcumin-piperine supplementation in accelerating the recovery period of patients with covid-19

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20200514047445N1**

Registration date: **2020-08-10, 1399/05/20**

Public title

Evaluation of the effect of curcumin in improving patients with covid -19

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria:

Satisfaction to participate in the study Aged 18-70 years
Real Time PCR or CT-SCAN positive test

Exclusion criteria:

Bile problem Curcumin allergy problems Cardiovascular diseases Use of anticoagulants

Age

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

Gender

Both

Phase

3

Groups that have been masked

- Participant
- Investigator
- Data analyser

Sample size

Target sample size: **60**

More than 1 sample in each individual

Number of samples in each individual: **2**

Two blood samples are taken from patients one week apart

Randomization (investigator's opinion)

Randomized

Randomization description

Random Allocation software was used to randomize the sample into two treatment and placebo groups. Output of mentioned software includes a table that shows the number of each patient is located in each group (intervention or placebo).

Blinding (investigator's opinion)

Double blinded

Blinding description

Patients and researchers are unaware of the type of medication given to the patient. Drugs in similar capsules stored in packages with A and B marks are given to patients by a neutral person (an out-of-study person).

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Hormozgan University of Medical Sciences

Street address

Payambar azam hospital complex-technology and research vice- chancellor

City

Bandar Abbas

Province

Hormozgan

Postal code

-

Approval date

2020-06-15, 1399/03/26

Ethics committee reference number

IR.HUMS.REC.1399.187

Health conditions studied

1

Description of health condition studied

covid-19

ICD-10 code

U07.2

ICD-10 code description

virus not identified

Primary outcomes

1

Description

Lung CT-SCAN

Timepoint

First admission and one week after admission

Method of measurement

CT-SCAN IMAGING

2

Description

Duration of hospitalization

Timepoint

Patient discharge time or death

Method of measurement

patient medical records

3

Description

Complete blood count

Timepoint

First admission and one week after admission

Method of measurement

cell counter

4

Description

C-Reactive protein

Timepoint

First admission and one week after admission

Method of measurement

Agglutination method

5

Description

LDH

Timepoint

First admission and one week after admission

Method of measurement

Spectrophotometric assay

6

Description

Erythrocyte sedimentation rate

Timepoint

First admission and one week after admission

Method of measurement

sediment analyzer

7

Description

prothrombine time

Timepoint

First admission and one week after admission

Method of measurement

coagulometer

8

Description

partial thromboplastine time

Timepoint

First admission and one week after admission

Method of measurement

coagulometer

9

Description

D-Dimer test

Timepoint

First admission and one week after admission

Method of measurement

nephometry

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: patients are given 3 curcumin capsules(500mg) daily after three meals

Category

Treatment - Other

2

Description

Control group: Take 3 placebo (500 mg of lactose) daily for 3 weeks for 2 weeks.

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Payambar-azam hospital

Full name of responsible person

Majid Teremmahi Ardestani

Street address

Bandar Abbas - Imam Khomeini St. - Jomhuri Eslami Boulevard - Payambar Azam Hospital

City

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Province

Hormozgan

Postal code

7916839319

Phone

+98 76 3366 6367

Email

majidardestani50@gmail.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Bandare-abbas University of Medical Sciences

Full name of responsible person

Timur Agha Molai

Street address

Immam Khomeini Ave, Jomhuri blvd

City

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7916839319

Phone

+98 76 3333 7192

Email

research@hums.ac.ir

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Bandare-abbas University of Medical Sciences

Proportion provided by this source

100

Public or private sector

Public

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
Bandare-abbas University of Medical Sciences
Full name of responsible person
Majid Teremmahi Ardestani
Position
Associate professor
Latest degree
Ph.D.
Other areas of specialty/work
Hematology
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Person responsible for scientific inquiries

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Person responsible for updating data

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Yes - There is a plan to make this available

Study Protocol

No - There is not a plan to make this available

Statistical Analysis Plan

No - There is not a plan to make this available

Informed Consent Form

No - There is not a plan to make this available

Clinical Study Report

Yes - There is a plan to make this available

Analytic Code

No - There is not a plan to make this available

Data Dictionary

No - There is not a plan to make this available

Title and more details about the data/document

Unrecognizable data files related to the main consequence will be shared.

When the data will become available and for how long

6 month

To whom data/document is available

Researchers and therapists

Under which criteria data/document could be used

Similar studies

From where data/document is obtainable

Dr majid teremmahi Ardestani

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

The information will be sent after receiving the request.

Comments