

Clinical Trial Protocol

Iranian Registry of Clinical Trials

04 Aug 2026

Evaluation the effectiveness of curcumin in the treatment of patients with covid-19 sever acute respiratory syndrome

Protocol summary

2020-09-01, 1399/06/11

Study aim

In this study, we tried to evaluate the possible effects of curcumin in the treatment of acute respiratory syndrome caused by coronavirus in patients treated with common drug regimens.

Design

Clinical trial with control group, parallel groups trial, double-blind, phase 2-3 randomized on 42 patients and randomization using Excel software random function

Settings and conduct

The study was performed on patients with acute respiratory syndrome of corona admitted to Golestan Hospital in Kermanshah.

Participants/Inclusion and exclusion criteria

All patients admitted to the corona ward who test positive for PCR can be included in the study, and high-risk patients with underlying diseases or those in critical condition who require intensive care cannot be included in the study.

Intervention groups

1- The study group is the consumers of the usual drugs in addition to curcumin 2- The control group is the consumers of the usual drugs

Main outcome variables

Body temprature; oxygen saturation; chest CT-scan

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20200418047119N1**

Registration date: **2020-09-01, 1399/06/11**

Registration timing: **registered_while_recruiting**

Last update: **2020-09-01, 1399/06/11**

Update count: **0**

Registration date

Registrant information

Name

Sajad Moradi

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 83 3427 6489

Email address

sajadmoradi28@gmail.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2020-08-31, 1399/06/10

Expected recruitment end date

2020-10-01, 1399/07/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation the effectiveness of curcumin in the treatment of patients with covid-19 sever acute respiratory syndrome

Public title

Effect of curcumin in treatment of respiratory syndrome of corona

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

All people with acute respiratory syndrome of corona

Exclusion criteria:

Patients with high risk or patients with acute respiratory conditions who enter the ICU from the beginning

Age

No age limit

Gender

Both

Phase

2-3

Groups that have been masked

- Participant
- Investigator
- Outcome assessor

Sample size

Target sample size: 42

Randomization (investigator's opinion)

Randomized

Randomization description

Patients will be randomly assigned to two groups of block classes and randomization perform using random function of excel. The type of treatment received, the size of the block and the randomization process will be kept secret from the patient and the lead researcher of the study and the person who will make the final assessment.

Blinding (investigator's opinion)

Double blinded

Blinding description

Participants, the main researcher, health care staffs including physicians and nurses who are responsible for patient care, data collection officials, and those who evaluate the outcome are kept blind

Placebo

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

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

Ethics committee of Kermanshah University of Medical Sciences

Street address

Shahid Beheshti Blvd

City

Kermanshah

Province

Kermanshah

Postal code

6715847141

Approval date

2020-03-02, 1398/12/12

Ethics committee reference number

IR.KUMS.REC.1398.1223

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

Covid-19

ICD-10 code

U07.1

ICD-10 code description

Covid-19 disease

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

Body temperature

Timepoint

Body temperature is measured at the beginning of the study, on the third and seventh days

Method of measurement

Thermometer

2**Description**

Oxygen saturation

Timepoint

The percentage of oxygen saturation is measured at the beginning of the study, on the third and seventh days

Method of measurement

Oxymeter

3**Description**

Lung inflammation observed with CT scan

Timepoint

The CT scan image is taken at the beginning of the study and on the third and seventh days

Method of measurement

CT-scan imaging

Secondary outcomes

empty

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

Intervention group: Patients with acute respiratory syndrome of corona who are supposed to receive curcumin daily in addition to the usual medications, so that they take three of the 50 mg curcumin capsules made by Dineh Company for 7 days every 8 hours.

Category

Treatment - Drugs

2

Description

Control group: Patients with acute respiratory syndrome of corona who are treated only with usual medications and do not receive curcumin.

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Golestan hospital of Kermanshah

Full name of responsible person

Mohammad Hossein Zamanian

Street address

Parastar Blvd

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7533367427

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Kermanshah University of Medical Sciences

Full name of responsible person

Sajad Moradi

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Grant name

Grant code / Reference number

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

Yes

Title of funding source

Kermanshah 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

Kermanshah University of Medical Sciences

Full name of responsible person

Sajad Moradi

Position

Assistant professor

Latest degree

Ph.D.

Other areas of specialty/work

Medical Nanotechnology

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Person responsible for scientific inquiries

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Full name of responsible person

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Person responsible for updating data**Contact****Name of organization / entity**

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Fax**Email**

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Sharing plan**Deidentified Individual Participant Data Set (IPD)**

Yes - There is a plan to make this available

Study Protocol

Yes - There is a plan to make this available

Statistical Analysis Plan

Not applicable

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

Yes - There is a plan to make this available

Analytic Code

Not applicable

Data Dictionary

Not applicable

Title and more details about the data/document

The results of the study and the collected data will be published in the form of an article

When the data will become available and for how long

After the paper is published

To whom data/document is available

All clinical researchers

Under which criteria data/document could be used

The data can only be used for review studies or to find a cure for an epidemic.

From where data/document is obtainable

Dr Sajad Moradi from Kermanshah University of Medical Sciences, send request by sajadmoradi28@gmail.com

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

The data will finally reach the applicant one week after the request

Comments