Clinical Trial Protocol
Iranian Registry of Clinical Trials

04 Nov 2026

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

Protocol summary

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
2020-09-01, 1399/06/11

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
City
Kermanshah
Province
Kermanshah
Postal code
7533367427
Phone
+98 83 3427 6300
Email
irhk@kums.ac.ir

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Kermanshah University of Medical Sciences
Full name of responsible person
Sajad Moradi
Street address
Parastar BLvD
City
Kermanshah
Province
Kermanshah
Postal code
6714415153
Phone
+98 83 3427 6489
Fax
+98 83 3426 6780
Email
sajadmoradi28@gmail.com
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
Street address
Parastar Blvd
City
Kermanshah
Province
Kermanshah
Postal code
6714415153
Phone
0988334276489
Email
sajadmoradi28@gmail.com

Person responsible for scientific 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
Street address
Parastar Blvd
City
Kermanshah
Province
Kermanshah
Postal code
6714415153
Phone
+98 83 3427 6489
Fax

Email
sajadmoradi28@gmail.com

Person responsible for updating data

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
Street address
Parastar Blvd
City
Kermanshah
Province
Kermanshah
Postal code
6714415153
Phone
+98 83 3427 6489
Fax
Email
sajadmoradi28@gmail.com

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