

Clinical Trial Protocol

Iranian Registry of Clinical Trials

04 Jul 2026

The comparison of effectiveness of Tanacetum parthenium (L) Sch. syrups on clinical and paraclinical features of inpatients infected with 2019 novel coronavirus COVID-19, Parallel randomized trial

Protocol summary

Study aim

The effect of Tanacetum parthenium (L) Sch syrup on clinical presentation and respiratory infection of patients with COVID-19

Design

This is a clinical trial. In this study, there are two groups of control (who receive placebo) and the intervention group (receiving Tanacetum parthenium (L) syrup). The number of people in each group is thirty. The study is triple blind: participants, therapeutic staff, and statistical analyst of data and drugs are blinded.

Settings and conduct

This study is carried out in Forghani Hospital in Qom. This study is conducted by a researcher and a medical staff in a triple blind manner.

Participants/Inclusion and exclusion criteria

Patients with COVID-19, written and informed satisfaction of patients

Intervention groups

Patients with COVID-19 who have the criteria for entering the study are randomly divided into two groups then, Then for 2 weeks the patients in the intervention group will receive the Tanacetum parthenium (L) Sch syrup and the control group will receive placebo.

Main outcome variables

Respiratory infection

General information

Reason for update

The reason for the update is the modification of the drug manufacturer.

Acronym

IRCT registration information

IRCT registration number: **IRCT20180610040049N4**

Registration date: **2020-04-03, 1399/01/15**

Registration timing: **prospective**

Last update: **2020-04-10, 1399/01/22**

Update count: **1**

Registration date

2020-04-03, 1399/01/15

Registrant information

Name

Amirhosein Latifi

Name of organization / entity

Country

Iran (Islamic Republic of)

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Email address

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Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2020-04-07, 1399/01/19

Expected recruitment end date

2020-05-08, 1399/02/19

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The comparison of effectiveness of Tanacetum parthenium (L) Sch. syrups on clinical and paraclinical features of inpatients infected with 2019 novel coronavirus COVID-19, Parallel randomized trial

Public title

The effect of Tanacetum parthenium (L) Sch syrup on clinical manifestations of patients with COVID-19

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

Having informed consent to participate in the study
The definitive diagnosis of COVID-19
Failure to attend another clinical trial simultaneously

Exclusion criteria:

Patient's willingness to use other therapies
Alzheimer's patients

Age

From **20 years** old to **70 years** old

Gender

Both

Phase

3

Groups that have been masked

- Participant
- Care provider
- Data analyser

Sample size

Target sample size: **60**

Randomization (investigator's opinion)

Randomized

Randomization description

The block randomization method with 4, 6 and 8 block sizes will be used to assign people to the two groups. Concealment will also be observed by using this method. In this way, each individual is assigned a unique code and is attached to drug packages that will help the blind process.

Blinding (investigator's opinion)

Triple blinded

Blinding description

In this three-blind study, patient and therapeutic personnel and data analyst do not have any type of data and medications. The drugs are encoded and placed on the patient and medical personnel.

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Qom University of Medical Sciences

Street address

Shahid Lavasani Street, Qom University of Medical Sciences

City

Qom

Province

Ghoum

Postal code

3713649373

Approval date

2020-03-16, 1398/12/26

Ethics committee reference number

IR.MUQ.REC.1399.012

Health conditions studied

1

Description of health condition studied

Patients with Corona Virus

ICD-10 code

B34.2

ICD-10 code description

Coronavirus infection, unspecified

Primary outcomes

1

Description

Level of CRP in serum

Timepoint

One day before the intervention and one day after the intervention is measured

Method of measurement

Using the ELISA technique

Secondary outcomes

1

Description

The rate of lung inflammation

Timepoint

One day before the intervention and one day after the intervention is measured

Method of measurement

CT SCAN

Intervention groups

1

Description

"Intervention group:" This group consumes the Trachyspermum copticum syrup. The total extract of this plant is used. The concentration of this syrup is 10% of the aqueous extract of Tanacetum parthenium (L) Sch. This syrup is administered three times daily for two weeks, 7 ml each time, a total of 21 ml daily. The syrup is made by Shahid Beheshti School of Pharmacy

Category

Treatment - Drugs

2

Description

"Control group:" This group is taking placebo. Placebo syrup have the same size and shape as the drug. The placebo syrup contains all the basic ingredients of a syrup without the addition of herbal medicine. The placebo syrup is made by Shahid Beheshti School of Pharmacy

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Ferghani Hospital

Full name of responsible person

Mohsen Bahrami

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Shahid Lavasani Street, Qom University of Medical Sciences

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Ghous University of Medical Sciences

Full name of responsible person

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Grant name

Grant code / Reference number

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

No

Title of funding source

Qom 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

Ghous University of Medical Sciences

Full name of responsible person

Reza Shirvani

Position

Assistant Professor

Latest degree

Ph.D.

Other areas of specialty/work

Emergency Medicine

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Shahid Beheshti University of Medical Sciences

Full name of responsible person

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Position

Assistant Professor

Latest degree

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Other areas of specialty/work

Traditional Medicine

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Person responsible for updating data

Contact

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Sharing plan

Deidentified Individual Participant Data Set (IPD)
No - There is not a plan to make this available
Justification/reason for indecision/not sharing IPD
There is no more information.
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
Not applicable
Analytic Code
Not applicable
Data Dictionary
Not applicable