

Clinical Trial Protocol

Iranian Registry of Clinical Trials

31 May 2026

Evaluation of the effectiveness of complementary therapy with Basil (Ocimum basilicum) capsule on the clinical symptoms of outpatients with COVID-19

Protocol summary

Study aim

Determining the effectiveness of basil extract in the treatment of outpatients Covid 19 and also evaluating its effects on reducing mortality or hospitalization due to (SARS-CoV-2)

Design

This is a double-blind clinical trial study of phase 2-3. This study will be performed on 140 patients who are divided into two groups. Randomly, one group of outpatients with Covid-19 was given a herbal supplement containing 300 mg of basil extract capsules and one group was given a placebo capsule for 2 weeks with common medications. The blocking method and Randomize.com randomization site are used for randomization. During this period, patients are followed up for clinical symptoms and severity of the disease and the need for hospitalization.

Settings and conduct

This study is performed in 16-hour clinics of Covid-19 in Mashhad. In this study, the physician, patient, and data analyst are unaware of the medication.

Participants/Inclusion and exclusion criteria

Outpatients with COVID-19; Confirmation of RT-PCR test for SARS-CoV-2; Blood oxygen saturation more than 90%; Age 18-60 years;

Intervention groups

Placebo group: receiving common therapies + herbal medicine placebo (capsule containing microcellulose starch (Avisel) which is similar to the capsule of intervention groups) Intervention group: receiving common treatments + capsules of 600 mg of basil extract (300 mg twice a day)

Main outcome variables

The rate of recovery time from the time of randomization of patients to the improvement of clinical symptoms including fever, cough and myalgia; Paraclinical symptoms including leukopenia and CRP

General information

Reason for update

Unfortunately, due to technical problems in making the placebo and sampling, the start of the study was delayed.

Acronym

IRCT registration information

IRCT registration number: **IRCT20180103038199N4**

Registration date: **2021-04-24, 1400/02/04**

Registration timing: **prospective**

Last update: **2022-02-08, 1400/11/19**

Update count: **1**

Registration date

2021-04-24, 1400/02/04

Registrant information

Name

Vahid Reza Askari

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 51 3800 2264

Email address

askariv941@mums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2021-12-31, 1400/10/10

Expected recruitment end date

2023-01-20, 1401/10/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date
empty

Scientific title
Evaluation of the effectiveness of complementary therapy with Basil (Ocimum basilicum) capsule on the clinical symptoms of outpatients with COVID-19

Public title
Effect of Basil on outpatients with COVID-19

Purpose
Treatment

Inclusion/Exclusion criteria
Inclusion criteria:
Outpatients with COVID-19 Confirmed with RT-PCR SPO2 more than 90% Age between 18 to 60 years old
Exclusion criteria:
Pregnant women Breastfeeding women

Age
From **18 years** old to **60 years** old

Gender
Both

Phase
2-3

Groups that have been masked

- Participant
- Outcome assessor
- Data analyser

Sample size
Target sample size: **140**

Randomization (investigator's opinion)
Randomized

Randomization description
The volume of each block will be 4. Then write a list of blocks and assign numbers to them, for example (AABB (1) - BBAA (2) - BABA (3) - BAAB (4)) which according to the sample size of 140 people, we have 35 blocks. Then, random numbers between one and 35 are selected according to the Randomaize.com randomization site, and finally, the treatment allocation list is determined based on random numbers.

Blinding (investigator's opinion)
Double blinded

Blinding description
Due to the use of a placebo similar to interventional therapy, the physician associated with the participants and participants will not be informed of the assigned treatment and also the analyst will be unaware of the treatment assigned to the two groups. Finally, after analyzing the data, the researcher who prepared the packages reveals codes A and B.

Placebo
Used

Assignment
Parallel

Other design features

Secondary Ids
empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Mashhad University of Medical Sciences

Street address

Deputy of Research and Technology of the University, Qurashi Building, Next to Hoveyzeh Cinema, University Street

City

Mashhad

Province

Razavi Khorasan

Postal code

9138813944

Approval date

2021-01-30, 1399/11/11

Ethics committee reference number

IR.MUMS.REC.1399.597

Health conditions studied

1

Description of health condition studied

COVID-19 disease

ICD-10 code

U07.1

ICD-10 code description

COVID-19

Primary outcomes

1

Description

Time to recover from illness based on questionnaire

Timepoint

before intervention and 3, 7 and 14 days after beginning the intervention

Method of measurement

questionnaire

2

Description

Normalization of CRP and lymphopenia

Timepoint

before the intervention and 14 days after The beginning the intervention

Method of measurement

laboratory

Secondary outcomes

empty

Intervention groups

1

Description

Control group: Receive common treatments based on the ministry of health protocol + placebo capsules (Avicell) made in Mashhad school of Persian and complementary medicine twice a day for 10 days

Category

Placebo

2

Description

Intervention group: Receive common treatments based on the ministry of health protocol + capsules containing 300 mg of basil extract made in Mashhad school of Persian and complementary medicine 2 times a day for 10 days

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

مراکز 16 ساعته کرونا

Full name of responsible person

دکتر وحید رضا عسکری

Street address

Mashhad university of medical science, Azadi square

City

Mashhad

Province

Razavi Khorasan

Postal code

9177948564

Phone

+98 51 3800 2000

Email

askariv@mums.ac.ir

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Mashhad University of Medical Sciences

Full name of responsible person

Dr Mohsen Tafaghodi

Street address

Deputy of Research and Technology of the University
, Qurashi Building, Next to Hoveyzeh Cinema,
University Street

City

Mashhad

Province

Razavi Khorasan

Postal code

9138813944

Phone

+98 51 3841 2081

Email

ramresearch@mums.ac.ir

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Mashhad 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

Mashhad University of Medical Sciences

Full name of responsible person

Dr Vahid Reza Askari

Position

Assistant Professor

Latest degree

Ph.D.

Other areas of specialty/work

Medical Pharmacy

Street address

Faculty of Medicine, Azadi sq, Mashhad

City

Mashhad

Province

Razavi Khorasan

Postal code

9177948564

Phone

+98 915 371 9688

Email

askariv@mums.ac.ir

Person responsible for scientific inquiries

Contact

Name of organization / entity

Mashhad University of Medical Sciences

Full name of responsible person

Dr Vahid Reza Askari

Position

Assistant Professor

Latest degree

Ph.D.

Other areas of specialty/work

Medical Pharmacy

Street address

Faculty of Medicine, Azadi sq, Mashhad

City

Mashhad

Province

Razavi Khorasan

Postal code

9177948564

Phone

+98 915 371 9688

Email

askariv@mums.ac.ir

Person responsible for updating data

Contact

Name of organization / entity

Mashhad University of Medical Sciences

Full name of responsible person

Dr Vahid Reza Askari

Position

Assistant Professor

Latest degree

Ph.D.

Other areas of specialty/work

Medical Pharmacy

Street address

Faculty of Medicine, Azadi sq, Mashhad

City

Mashhad

Province

Razavi Khorasan

Postal code

9177948564

Phone

+98 915 371 9688

Email

askariv@mums.ac.ir

Sharing plan

Deidentified Individual Participant Data Set (IPD)

Undecided - It is not yet known if there will be 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

No - There is not 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