

Clinical Trial Protocol

Iranian Registry of Clinical Trials

31 May 2026

Evaluation of therapeutic effect of Glycyrrhiza glabra plant in improving and accelerating the treatment of patients with Covid 19

Protocol summary

Study aim

Evaluation of therapeutic effect of licorice in the treatment of Covid 19

Design

1- The study includes 50 patients referred to Valiasr clinic with the age 18 to 60 years who are diagnosed with mild covid . 2- informed consent will be obtained from all of them . It should be noted that all these patients will also receive routine treatment of Corona. 3- The criteria for entering the study include having a mild corona virus, being in the age group of 18 to 60 years, not having a history of specific diseases, not having specific drug interactions, and exclusion criteria includes; acute corona infection, having an specific disease such as cardiovascular diseases, having autoimmune diseases, having drug interactions, pregnancy. 4- On day zero, ten milliliters of blood will be collected from patients 5- For one week, patients receiving 300 mg of licorice daily in the form of capsules . 6- After 7 days again, 10 ml of blood will be collected from patients. 7- interleukin 1,6 and CRP and blood cells check and the results before and after will be compared.

Settings and conduct

The study will be conducted at Valiasr Clinic . At the beginning , 10 ml of blood will be taken , then the patients will be given 300 mg of licorice daily for one week , then blood will be taken again, the level of interleukin 1,6, CRP, and the blood cells will be counted .finally the results will be compared Before /after the study.

Participants/Inclusion and exclusion criteria

inclusion criteria:The age 18 to 60 years old, having no specific diseases, having no drug interactions. exclusion criteria:Having acute corona, having specific disease such as CVD, having autoimmune diseases, having drug interactions, pregnancy

Intervention groups

50 mild covid patients who will receive 300 mg licorice daily for one week

Main outcome variables

IL1,6, CRP,CBC

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20220712055444N1**

Registration date: **2022-07-26, 1401/05/04**

Registration timing: **prospective**

Last update: **2022-07-26, 1401/05/04**

Update count: **0**

Registration date

2022-07-26, 1401/05/04

Registrant information

Name

alireza ahmadzadeh

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 21 23871

Email address

a.ahmadzadeh@sbmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2022-08-23, 1401/06/01

Expected recruitment end date

2022-11-21, 1401/08/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of therapeutic effect of Glycyrrhiza glabra plant in improving and accelerating the treatment of patients with Covid 19

Public title

Evaluation of therapeutic effect of Glycyrrhiza glabra plant in the treatment of patients with Covid 19

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

The age group is 18 to 60 years old, having no history of specific diseases, not having drug interactions

Exclusion criteria:

Having acute corona, having an specific disease such as cardiovascular diseases, having autoimmune diseases, having drug interactions, pregnancy

Age

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

Gender

Both

Phase

N/A

Groups that have been masked

- Outcome assessor
- Data analyser

Sample size

Target sample size: **50**

Randomization (investigator's opinion)

N/A

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

All patients have the same conditions for receiving licorice. Blinding is done only for the evaluator

Placebo

Not used

Assignment

Single

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethic committee of shahid beheshti university of medical sciences

Street address

7th Floor, Bldg No.2 SBUMS, Arabi Ave, Daneshjoo Blvd, Velenjak, Tehran, Iran.

City

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Province

Tehran

Postal code

19839-63113

Approval date

2022-06-28, 1401/04/07

Ethics committee reference number

IR.SBMU.RETECH.REC.1401.145

Health conditions studied

1

Description of health condition studied

patient with mild Covid19

ICD-10 code

B34.2

ICD-10 code description

Coronavirus infection, unspecified

Primary outcomes

1

Description

IL6,IL1,CRP,WBC

Timepoint

7 days

Method of measurement

Elisa kits and Blood cell counting machine

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: In addition to routine treatment, mild covid patients will receive 300 mg licorice for 7 days. This study is before/after and has no control group

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

valiasr Hospital

Full name of responsible person

alireza ahmadzadeh

Street address

Ilam Province, Darreh Shahr, Shahid Jafari AVE

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Shahid Beheshti University of Medical Sciences
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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
Shahid Beheshti 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
Shahid Beheshti University of Medical Sciences
Full name of responsible person
alireza ahmadzadeh
Position
associate professor
Latest degree
Ph.D.
Other areas of specialty/work

Medical Biology
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Person responsible for updating data

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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