

# 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

Tehran

## 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

##### City

darreshahr

**Province**  
Ilam  
**Postal code**  
1971653313  
**Phone**  
+98 21 2271 8531  
**Email**  
a.ahmadzadeh@sbmu.ac.ir

## Sponsors / Funding sources

### 1

#### Sponsor

**Name of organization / entity**  
Shahid Beheshti University of Medical Sciences  
**Full name of responsible person**  
alireza ahmadzadeh  
**Street address**  
7th Floor, Bldg No.2 SBUMS, Arabi Ave, Daneshjoo Blvd, Velenjak, Tehran, Iran.  
**City**  
tehran  
**Province**  
Tehran  
**Postal code**  
22721150  
**Phone**  
+98 21 2271 8531  
**Email**  
a.ahmadzadeh@sbmu.ac.ir  
**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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t 7th Floor, Bldg No.2 SBUMS, Arabi Ave, Daneshjoo Blvd, Velenjak, Tehran, Iran  
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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**  
alireza ahmadzadeh  
**Position**  
associate professor  
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## Person responsible for updating data

#### Contact

**Name of organization / entity**  
Shahid Beheshti University of Medical Sciences  
**Full name of responsible person**  
alireza ahmadzadeh  
**Position**  
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**Postal code**

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**Email**

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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