

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

31 May 2026

### Efficacy of jujube product in accelerating the recovery process of Covid-19 patients

#### Protocol summary

##### Study aim

Help improve respiratory symptoms and reduce hospitalization time and reduce costs and complications for patients with COVID-19

##### Design

Clinical trial with control group, with parallel, random, uncontrolled groups with pharmacotherapy, single center, sample size 68 people.

##### Settings and conduct

In addition to the treatment protocol, patients are given a corona treatment protocol with 14 cc of jujube product per day. Kosar Hospital in Semnan

##### Participants/Inclusion and exclusion criteria

All patients with Covid-19 symptoms in patients with a history of close contact with suspected people in the last 14 days, fever, pulmonary involvement, normal or reduced cbc, reduced lymphocyte, positive PCR involved in this study. patients with diabetes, Ketoacidosis, decompensated heart failure, severe kidney failure (GFR<30 ml/min), metabolic acidosis, severe respiratory failure, immediate need for intubation will exclude from the study.

##### Intervention groups

Intervention group: In addition to the treatment protocol, patients are given 7 cc of jujube product twice a day, 7 cc each. Control group: The treatment is done according to the protocol and is only for comparison with the intervention group.

##### Main outcome variables

3D CT Scans, dyspnea, cough, arterial oxygen saturation, PCR, CBC diff

#### General information

##### Reason for update

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT20171213037866N2**

Registration date: **2020-05-07, 1399/02/18**

Registration timing: **prospective**

Last update: **2020-05-07, 1399/02/18**

Update count: **0**

##### Registration date

2020-05-07, 1399/02/18

##### Registrant information

###### Name

Nasim Behnoud

###### Name of organization / entity

###### Country

Iran (Islamic Republic of)

###### Phone

+98 21 4469 0358

###### Email address

behnoud.n@tak.iums.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

##### Expected recruitment start date

2020-05-09, 1399/02/20

##### Expected recruitment end date

2020-08-20, 1399/05/30

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Efficacy of jujube product in accelerating the recovery process of Covid-19 patients

##### Public title

Evaluation of the effect of jujube product on Covid-19 patients

##### Purpose

Treatment

### **Inclusion/Exclusion criteria**

#### **Inclusion criteria:**

The patient does not suffer from any serious concomitant diseases of the pulmonary, cerebral, and endocrine glands The patient's ability and personal desire to fill out a personal consent form to enter the study The patient has not been intubated

#### **Exclusion criteria:**

Pregnancy and lactation Existence of any history of allergies to jujube and its products The patient's inability to take oral form There are any conditions in the patient that, according to the doctor's judgment, prevent the continuation of medical intervention. Concomitant use of corticosteroids, immunoglobulin or interferon Patient intubation Nausea and vomiting and oral intolerance Treatment-resistant hypoxemia Loss of consciousness Hemodynamic instability Hypercapnia - Respiratory fatigue Existence of any known side effects of consuming any of the components of jujube product

### **Age**

From **18 years** old to **75 years** old

### **Gender**

Both

### **Phase**

3

### **Groups that have been masked**

- Participant
- Investigator
- Outcome assessor
- Data analyser

### **Sample size**

Target sample size: **68**

### **Randomization (investigator's opinion)**

Randomized

### **Randomization description**

Block Randomization Using four blocks, we randomly arrange the patients using the rand section of the software and enter the study. The patient code table is provided to the analyst and will be used for analysis after the study.

### **Blinding (investigator's opinion)**

Single blinded

### **Blinding description**

In this study, the analyst and the recipient of the drug do not know how to allocate intervention and treatment groups. After accidentally entering the study, patients receive medication based on the received code and are unaware of the type of treatment.

### **Placebo**

Not used

### **Assignment**

Parallel

### **Other design features**

## **Secondary Ids**

empty

## **Ethics committees**

### **1**

#### **Ethics committee**

##### **Name of ethics committee**

Ethics committee of Semnan University of Medical Sciences

##### **Street address**

Semnan University of Medical Sciences, Basij Blvd, Semnan

##### **City**

Semnan

##### **Province**

Semnan

##### **Postal code**

3514799442

##### **Approval date**

2020-05-03, 1399/02/14

##### **Ethics committee reference number**

IR.SEMUMS.REC.1399.032

## **Health conditions studied**

### **1**

#### **Description of health condition studied**

COVID-19

#### **ICD-10 code**

B34.2

#### **ICD-10 code description**

Coronavirus infection, unspecified

## **Primary outcomes**

### **1**

#### **Description**

Clinical symptoms (Coronavirus infection)

#### **Timepoint**

Before starting the study and daily until discharge

#### **Method of measurement**

Laboratory values and radiographic changes or CT scans and questionnaire

## **Secondary outcomes**

empty

## **Intervention groups**

### **1**

#### **Description**

Intervention group: In addition to the treatment protocol, patients receive 7 cc of jujube twice a day, 7 cc each.

#### **Category**

Treatment - Drugs

### **2**

#### **Description**

Control group: The treatment is done according to the protocol and is only for comparison with the intervention group.

**Category**

Treatment - Drugs

**Recruitment centers**

**1**

**Recruitment center**

**Name of recruitment center**

Kowsar Hospital

**Full name of responsible person**

Ali Gohari

**Street address**

Semnan Basij Boulevard Headquarters of Semnan University of Medical Sciences and Health Services

**City**

Semnan

**Province**

Semnan

**Postal code**

3514799442

**Phone**

+98 23 3344 1022

**Email**

aligohari@semums.ac.ir

**Sponsors / Funding sources**

**1**

**Sponsor**

**Name of organization / entity**

Semnan University of Medical Sciences

**Full name of responsible person**

Parviz Kokhaie

**Street address**

Semnan, Basij Boulevard, Central Headquarters of Semnan University of Medical Sciences, Deputy of Research and Technology

**City**

Semnan

**Province**

Semnan

**Postal code**

3514799442

**Phone**

+98 23 3345 1336

**Email**

rds@semums.ac.ir

**Grant name**

**Grant code / Reference number**

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

Yes

**Title of funding source**

Semnan 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**

Semnan University of Medical Sciences

**Full name of responsible person**

نسیم بهنود

**Position**

Non-faculty specialist physician of Semnan University of Medical Sciences

**Latest degree**

Ph.D.

**Other areas of specialty/work**

Traditional Medicine

**Street address**

Semnan - Semnan: 17 Shahrivar Blvd., South Side of the School of Dentistry, Specialized and Subspecialty Polyclinic No. 2 - Health Center of Traditional Medicine Semnan University of Medical Sciences

**City**

Semnan

**Province**

Semnan

**Postal code**

9443135187

**Phone**

+98 23 3333 4623

**Email**

dr.nbehnoud@gmail.com

**Person responsible for scientific inquiries**

**Contact**

**Name of organization / entity**

Semnan University of Medical Sciences

**Full name of responsible person**

Ali Gohari

**Position**

Assistant Professor

**Latest degree**

Specialist

**Other areas of specialty/work**

Infectious diseases

**Street address**

Semnan Basij Boulevard Headquarters of Semnan University of Medical Sciences and Health Services

**City**

Semnan

**Province**

Semnan

**Postal code**

3518794431

**Phone**

+98 23 3344 1022

**Email**

aligohari@semums.ac.ir

**Postal code**

3518794431

**Phone**

+98 23 3333 4623

**Email**

dr.nbehnoud@gmail.com

**Person responsible for updating data****Contact****Name of organization / entity**

Semnan University of Medical Sciences

**Full name of responsible person**

Nasim Behnoud

**Position**

Non-faculty specialist physician of Semnan University of Medical Sciences

**Latest degree**

Ph.D.

**Other areas of specialty/work**

Traditional Medicine

**Street address**

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**City**

Semnan

**Province**

Semnan

**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**

Not applicable

**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