Clinical Trial Protocol
Iranian Registry of Clinical Trials

13 Nov 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)

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Email address
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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

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

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Semnan University of Medical Sciences

Full name of responsible person

Parviz Kokhaie

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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

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

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Person responsible for scientific inquiries

Contact

Name of organization / entity

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Full name of responsible person

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Latest degree

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Person responsible for updating data

Contact
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Full name of responsible person
Nasim Behnoud
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Other areas of specialty/work
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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
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