

Clinical Trial Protocol

Iranian Registry of Clinical Trials

01 Jul 2026

Evaluation of the effect of oxygen-rich water as an adjunct to supportive therapy in improving the clinical condition of patients with COVID-19

Protocol summary

Study aim

Evaluation of the effect of oxygen-rich water as an adjunct to supportive therapy in improving the clinical condition of patients with Covid 19

Design

From the case of Patients with Covid 19 admitted to Razi Hospital who apply to participate in this project, 40 people are selected randomly due to a possible drop of ten percent, ie 44 people. After matching the variables of age, sex, occupation (demographic variables) and underlying diseases, they are randomly divided into two groups of 22 people. The clinical trial has a control group, parallel, double-blind randomized.

Settings and conduct

Razi hospital, Ahvaz. Patients and clinicals who were also responsible for collecting data were unaware of the type of water used.

Participants/Inclusion and exclusion criteria

Inclusion Criteria: Patients with Covid 19 hospitalized
Patients with less than normal blood oxygenation

Exclusion Criteria: patients hospitalized in I.C.U. ward
Patients who are unable receive water for any reason

Intervention groups

In the treatment group, in addition to the usual drug treatment, the patient is given 300 ml of oxygen-rich water as standard every four hours ."Control group:" In the control group, in addition to the usual drug treatment, patients are given 300 ml of refined urban drinking water every four hours daily in bottles similar to the intervention group. Blood oxygenation of all patients is measured by pulse oximetry before and 5 minutes after drinking water. Also, respiration rate per minute of all patients is measured and recorded before and 5 minutes after water consumption. This operation lasts for a week.

Main outcome variables

The amount of oxygen saturation in the blood ; The rate of respiration per minute

General information

Reason for update

The English name of the person in charge of the second sponsor and the address of the city and province of the second sponsor company were also corrected.

Acronym

IRCT registration information

IRCT registration number: **IRCT20201125049486N1**

Registration date: **2020-12-24, 1399/10/04**

Registration timing: **registered_while_recruiting**

Last update: **2021-02-14, 1399/11/26**

Update count: **2**

Registration date

2020-12-24, 1399/10/04

Registrant information

Name

masoud veissi

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 61 3311 2552

Email address

veissi-m@ajums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2020-12-21, 1399/10/01

Expected recruitment end date

2021-01-20, 1399/11/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of the effect of oxygen-rich water as an adjunct to supportive therapy in improving the clinical condition of patients with COVID-19

Public title

The use of oxygen-enrich water in therapy of patients with Covid 19

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria:

Corona's patients hospitalized Patients with blood oxygenation less than normal

Exclusion criteria:

Patients hospitalized in I.C.U ward Patients who are unable receive water for any reason

Age

No age limit

Gender

Both

Phase

3

Groups that have been masked

- Participant
- Care provider
- Outcome assessor

Sample size

Target sample size: 44

Randomization (investigator's opinion)

Randomized

Randomization description

Randomized block designs: Patients are divided into two groups: control (a) and intervention (b). Patients are randomly divided into 6 blocks of four (AB-AB, BA-BA, AA-AB, BB-AA, AB -BA and BA-AB) .

Blinding (investigator's opinion)

Double blinded

Blinding description

In this study, oxygen-rich water and refined drinking water are provided to in similar containers (with a special sign to identify the type of water by the researcher). The researcher colleague and clinicians in the ward are told based on Based on randomized grouping, which patients should be given which type of water . Patients also do not know the type of water received. Patients and clinicians who were also responsible for data collection were unaware of the type of water used.

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of Ahvaz Jundishapur University of Medical Sciences

Street address

Department of Nutrition, School of Allied Medicine, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran

City

Ahvaz

Province

Khuzestan

Postal code

6135715794

Approval date

2020-11-07, 1399/08/17

Ethics committee reference number

IR.AJUMS.REC.1399.658

Health conditions studied

1

Description of health condition studied

Covid 19 disease

ICD-10 code

U07.1

ICD-10 code description

COVID-19, virus identified.

Primary outcomes

1

Description

Blood oxygen saturation

Timepoint

Every four hours, the Blood oxygen saturation of all patients before and 5 minutes after water consumption is measured and recorded .

Method of measurement

With pulse oximetry

Secondary outcomes

1

Description

Respiration rate per minute

Timepoint

Every four hours, the respiration rate per minute of all patients before and 5 minutes after water consumption is measured and recorded.

Method of measurement

The rate of respiration (one inhale and one exhale) is counted in 30 seconds and is recorded as twice the number of respiration per minute.

Intervention groups

1

Description

Treatment group: In the treatment group, in addition to the usual drug treatment, the patient is given 300 ml of oxygen-rich water as standard every four hours (which is prepared daily in a thick PET bottle). Blood oxygenation of all patients is measured by pulse oximetry before and 5 minutes after drinking water. Also, respiration rate per minute of all patients is measured and recorded before and 5 minutes after water consumption. This operation lasts for a week.

Category

Treatment - Other

2

Description

Control group: In the control group, in addition to the usual drug treatment, patients are given 300 ml of refined urban drinking water every four hours daily in bottles similar to the intervention group. Blood oxygenation of all patients is measured by pulse oximetry before and 5 minutes after drinking water. Also, respiration rate per minute of all patients is measured and recorded before and 5 minutes after water consumption. This operation lasts for a week.

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Razi hospital

Full name of responsible person

Roohangize Nashibi

Street address

Razi hospital, Palestine Ave., Opposite Governor, Amanyeh Region, Ahvaz, Iran

City

Ahvaz

Province

Khouzestan

Postal code

6196514941

Phone

+98 61 3333 5935

Email

dr.r.nashibi@ajums.ac.ir

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Ahvaz University of Medical Sciences

Full name of responsible person

Mehdi Ahmadi Moghadam

Street address

Vice Chancellor for Research and Technology, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran

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6135715794

Phone

+98 61 3373 8383

Email

ahmadi-m@ajums.ac.ir

Grant name

Grant code / Reference number

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

No

Title of funding source

Ahvaz University of Medical Sciences

Proportion provided by this source

50

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

2

Sponsor

Name of organization / entity

Taavony Danesh Bonian Soraya Banoo Company

Full name of responsible person

Jalil Hashemzadeh

Street address

Unit 2, No.34, West Roudbar St., Mirdamad Blvd, Tehran, Iran

City

Tehran

Province

Tehran

Postal code

1911954134

Phone

+98 21 2290 2386

Email

Shirinabhzh@yahoo.com

Grant name

Grant code / Reference number

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

No

Title of funding source

Taavony Danesh Bonian Soraya Banoo Company

Proportion provided by this source

50

Public or private sector

Private

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

Industry

Person responsible for general inquiries

Contact

Name of organization / entity

Ahvaz University of Medical Sciences

Full name of responsible person

Masoud Veissi

Position

Assistant of professor

Latest degree

Ph.D.

Other areas of specialty/work

Food safety and Health

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Department of Nutrition, School of Allied Medicine,
Ahvaz Jundishapur University of Medical Sciences,
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Email

veissi-m@ajums.ac.ir

Person responsible for scientific inquiries

Contact

Name of organization / entity

Ahvaz University of Medical Sciences

Full name of responsible person

Masoud Veissi

Position

Assistant professor

Latest degree

Ph.D.

Other areas of specialty/work

Food safety and Health

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Person responsible for updating data

Contact

Name of organization / entity

Ahvaz University of Medical Sciences

Full name of responsible person

Masoud Veissi

Position

Assistant professor

Latest degree

Ph.D.

Other areas of specialty/work

Food safety and Health

Street address

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Email

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Yes - There is a plan to make this available

Study Protocol

Yes - There is a plan to make this available

Statistical Analysis Plan

Yes - There is a plan to make this available

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

Yes - There is a plan to make this available

Analytic Code

Yes - There is a plan to make this available

Data Dictionary

Yes - There is a plan to make this available

Title and more details about the data/document

If necessary, all data can potentially be shared after unidentified individuals

When the data will become available and for how long

Start the access period after printing the results

To whom data/document is available

Researchers working in academic and scientific institutions

Under which criteria data/document could be used

The use of data with reference to the source is unrestricted

From where data/document is obtainable

by Email: veissi-m@ajums.ac.ir

What processes are involved for a request to access data/document

Correspondence through academic and scientific institutions

Comments