Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 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 unware of the type of water used.

Participants/Inclusion and exclusion criteria

Inclution Criteria: Patients with Covid 19 hospitalized
Patients with less than normal blood oxygenation
Exclution 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
Khouzestan

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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Ahvaz

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Khouzestan

Postal code
6135715794

Phone
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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
Shirinabhz@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, Ahvaz, Iran

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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

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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