

Clinical Trial Protocol

Iranian Registry of Clinical Trials

27 Jul 2026

Investigating the effect of Medical Beer on the fever of patients with COVID-19

Protocol summary

Study aim

Evaluation of the therapeutic effect of medical beer on the fever of patients with COVID-19

Design

Randomized non-blinded clinical trial, with a sample size of 60, Phase 3 Clinical trial

Settings and conduct

The location of the project is Amin Hospital in Isfahan and the study will be performed as an A Randomized Clinical Trial.

Participants/Inclusion and exclusion criteria

Inclusion Criteria: Patients aged 18 to 70 years with inpatient clinical criteria (fever $\geq 38^\circ\text{C}$ or severe cough or shortness of breath or respiratory rate ≥ 24 per minute or oxygen saturation $<93\%$), positive PCR, lung involvement in the chest CT scan. It should be noted that some patients are admitted with clinical symptoms and without a positive corona test, but this study will only be performed on those who have a positive test. Exclusion criteria: previous COVID-19 treatment, allergy and asthma, hypertension, diabetes, pregnancy, Breastfeeding, heart failure, chronic renal failure, receiving chemotherapy, taking corticosteroids, immune system deficiency

Intervention groups

Intervention group in addition to be received the prescribed medications to treat COVID-19, they will be received 200 cc of medical beer every 4 hours for 5 days. The control group will be received only the prescribed medications according to the protocol of the Ministry of Health to treat COVID-19.

Main outcome variables

The length of hospital stay, fever, muscular pain, dry cough, shortness of breath, ESR, CRP, blood cell count, Chest X-ray, Chest CT scan

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20200428047229N1**

Registration date: **2020-06-27, 1399/04/07**

Registration timing: **registered_while_recruiting**

Last update: **2020-06-27, 1399/04/07**

Update count: **0**

Registration date

2020-06-27, 1399/04/07

Registrant information

Name

Hanieh Tahermohammadi

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 21 2221 4811

Email address

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Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2020-03-29, 1399/01/10

Expected recruitment end date

2021-03-30, 1400/01/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Investigating the effect of Medical Beer on the fever of patients with COVID-19

Public title

Effect of Medical Beer on COVID-19

Purpose

Treatment

Inclusion/Exclusion criteria**Inclusion criteria:**

Patients aged 18 to 70 years with inpatient clinical criteria (fever $\geq 38^\circ\text{C}$ or severe cough or shortness of breath or respiratory rate ≥ 24 per minute or oxygen saturation $<93\%$) Positive PCR Lung involvement in CT scan of the chest

Exclusion criteria:

Previous COVID-19 treatment Allergies and asthma High blood pressure Diabetes Pregnancy Breastfeeding Heart failure Chronic renal failure Get chemotherapy Get Corticosteroids Immune deficiency Patient request Need to be admitted to the ICU

Age

From **18 years** old to **70 years** old

Gender

Both

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: **60**

Randomization (investigator's opinion)

Randomized

Randomization description

At first due to the inclusion criteria, infectious diseases specialist diagnosis and positive PCR test, Patients will be selected and then randomly assigned to the experimental and control groups according to the random sequence obtained through random allocation software.

Blinding (investigator's opinion)

Not blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Ethics Committee of Isfahan University of Medical Sciences

Street address

Isfahan University of Medical Sciences, Hezarjerib street, Iran

City

Isfahan

Province

Isfahan

Postal code

۷۳۴۶۱-۸۱۷۴۶

Approval date

2020-04-27, 1399/02/08

Ethics committee reference number

IR.MUI.MED.REC.1399.078

Health conditions studied**1****Description of health condition studied**

covid-19

ICD-10 code

U07.1

ICD-10 code description

COVID-19, virus identified

Primary outcomes**1****Description**

fever

Timepoint

At the beginning of the study (before the start of the intervention) and on days 3 and 5 after the start of the medical beer

Method of measurement

Mercury thermometer (oral)

Secondary outcomes**1****Description**

Muscular pain

Timepoint

At the beginning of the study (before the start of the intervention) and on days 3 and 5 after the start of the medical beer

Method of measurement

By asking the patient and the Visual Analog Scale (VAS) score

2**Description**

Dry cough

Timepoint

At the beginning of the study (before the start of the intervention) and on days 3 and 5 after the start of the medical beer

Method of measurement

By asking the patient

3**Description**

Dyspnea

Timepoint

At the beginning of the study (before the start of the intervention) and on days 3 and 5 after the start of the medical beer

Method of measurement

By asking the patient

4

Description

ESR

Timepoint

At the beginning of the study (before the start of the intervention) and on day 5 after the start of the medical beer

Method of measurement

Sed rate device

5

Description

CRP

Timepoint

At the beginning of the study (before the start of the intervention) and on day 5 after the start of the medical beer

Method of measurement

Agglutination kit

6

Description

Blood cell count

Timepoint

At the beginning of the study (before the start of the intervention) and on day 5 after the start of the medical beer

Method of measurement

Cell Counter device

7

Description

Chest X-ray

Timepoint

At the beginning of the study (before the start of the intervention) and on the 5th day after the start of the medical beer

Method of measurement

Radiology set

8

Description

Chest CT scan

Timepoint

At the beginning of the study (before the start of the intervention) and on day 5, if requested by the treating physician, it will be recorded.

Method of measurement

CT scan set

Intervention groups

1

Description

Intervention group: Patients in this group receive the treatment of COVID-19 according to the protocol of the Ministry of Health, in addition they should receive daily a glass of medical beer (200 CC) every 4 hours for 5 days. This medicine has no chemical composition and is not made by any factory. This medicine is prepared from barley decoction according to the previous coordination with the hospital kitchen and is provided to the patients.

Category

Treatment - Drugs

2

Description

Control group: Patients in this group receive medication for COVID-19 according to the Ministry of Health protocol.

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Amin Hospital

Full name of responsible person

Akram Izadikhah

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Amin Hospital, Esfahan

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Esfahan University of Medical Sciences

Full name of responsible person

Sponsor Vice chancellor for research, Isfahan

University of Medical Sciences

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Isfahan University of Medical Science, Hezarjib Street, Isfahan City

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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
Esfahan 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
Hanieh Tahermohammadi

Position
Assistant of Traditional Medicine

Latest degree
Medical doctor

Other areas of specialty/work
Traditional Medicine

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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
Publishing results in form of an article
When the data will become available and for how long
After completing the research work
To whom data/document is available
Public

Under which criteria data/document could be used
for research reasons
From where data/document is obtainable
Isfahan University of Medical Sciences
What processes are involved for a request to access data/document
approving by responsible officer
Comments