

Clinical Trial Protocol

Iranian Registry of Clinical Trials

30 May 2026

The effect of NOSCOVID on pulmonary & other clinical manifestations of COVID-19 patients

Protocol summary

Study aim

Determining the effect of novel formulation (NosCOVID) on clinical and pulmonary manifestations of COVID-19 patients

Design

This study is double blinded clinical trial in phase 2 which will be carried out on 125 COVID-19 patients into two groups (hospitalized & non-hospitalized patients). Both groups randomly divided into two groups. Control group and treatment group which received of medicine (Noscapine 25 mg). Clinical signs of patient including body temperature, cough, Shortness of breath, respiratory rate, and O₂ saturation will be recorded before and after treatment. Diagnostic imaging will be carried out before and after treatment. Radiological and clinical Findings will be assessed by pulmonologist and other relevant clinicians.

Settings and conduct

This clinical trial will be carried out on 125 COVID-19 patients into two groups (hospitalized & non-hospitalized patients) in Velayat hospital of Qazvin. Patient will received medicine based on defined protocol. In this study patients, nurse, intern and researcher don't know which group of patients will use the medicine. Physician and clinicians team know about the drug and group who use the drug.

Participants/Inclusion and exclusion criteria

COVID-19 patient with Positive PCR test & CT finding

Intervention groups

This clinical trial will be carried out on 125 COVID-19 patients into two groups (hospitalized & non-hospitalized patients). Both groups divided into two groups. Control group and treatment group which received of medicine (Noscapine 25 mg)

Main outcome variables

Body temperature- Pain- cough- Shortness of breath- respiratory rate- O₂ saturation-

General information

Reason for update

Acronym

NOSCOVID

IRCT registration information

IRCT registration number: **IRCT20160625028622N1**

Registration date: **2020-03-22, 1399/01/03**

Registration timing: **registered_while_recruiting**

Last update: **2020-03-22, 1399/01/03**

Update count: **0**

Registration date

2020-03-22, 1399/01/03

Registrant information

Name

Ehsan Aali

Name of organization / entity

Qazvin University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 28 3333 6001

Email address

e.aali@qums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2020-03-19, 1398/12/29

Expected recruitment end date

2020-04-17, 1399/01/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of NOSCOVID on pulmonary & other clinical manifestations of COVID-19 patients

Public title

The effect of Noscapine on clinical and pulmonary manifestations of COVID-19 patients

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

Positive PCR test for Coronavirus (SARS-COV2) CT Scan finding

Exclusion criteria:

Patient who use warfarin Patient who ACEI (captopril, enalapril,...)

Age

From 2 years old

Gender

Both

Phase

2

Groups that have been masked

- Participant
- Care provider
- Investigator
- Outcome assessor

Sample size

Target sample size: 125

Randomization (investigator's opinion)

Not randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

In this study patients, nurse , supervisor and researcher don't know which group of patients will use the medicine. Physician and clinicians team know about the drug and group who use the drug.

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee, Qazvin universe of medical scienced

Street address

Beheshti

City

Qazvin

Province

Qazvin

Postal code

13911/34156

Approval date

2641-06-08, 2020/03/18

Ethics committee reference number

IR.QUMS.REC.1398.417

Health conditions studied

1

Description of health condition studied

Novel Cronavirus Disease (COVID-19)

ICD-10 code

COVID-19

ICD-10 code description

بیماری ویروسی کرونا

Primary outcomes

1

Description

cough

Timepoint

Daily

Method of measurement

Clinical finding

2

Description

O2 Saturation

Timepoint

daily

Method of measurement

Pulse Oximeter

3

Description

Radiographic features Findings

Timepoint

Before/After

Method of measurement

Radiography- CT SCAN

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: Treatment group which received Noscapine mg, tds

Category

Treatment - Drugs

2

Description

Control group: Group receiving Placebo with no API

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Velayat hospital qazvin

Full name of responsible person

Dr Mohammad Ali Zohal

Street address

22 Bahman

City

Qazvin

Province

Qazvin

Postal code

028-33790610

Phone

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Email

mzohal@qums.ac.ir

Web page address

<http://hosvelayat.qums.ac.ir/>

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Qazvin University of Medical Sciences

Full name of responsible person

دکتر امام جمعه

Street address

Shahid beheshti

City

Qazvin

Province

Qazvin

Postal code

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Phone

+98 28 3333 7006

Email

memamjomeh@qums.ac.ir

Web page address

<http://vcr.qums.ac.ir/>

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Qazvin 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

Qazvin University of Medical Sciences

Full name of responsible person

Dr Ehsan Aali

Position

Assistant Professor of Pharmacology

Latest degree

Ph.D.

Other areas of specialty/work

Pharmacology

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Person responsible for updating data

Contact

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Fax**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

The effect of novel formulation c on clinical and pulmonary manifestations of COVID-19 patients

When the data will become available and for how long

end of June

To whom data/document is available

healthcare professional- Professors

Under which criteria data/document could be used

Official request from organization

From where data/document is obtainable

Department of pharmacology- Qazvin university of medical sciences

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

Request to Vice-Chancellor for Research and Technology Affairs

Comments