Clinical Trial Protocol
Iranian Registry of Clinical Trials

06 Nov 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 o 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 othe 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
+98 28 3379 0610
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
13911/34156
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
Street address
Bahonar
City
Qazvin
Province
Qazvin
Postal code
59811-34197
Phone
+98 28 3333 6001
Email
en.aali@gmail.com

Person responsible for scientific inquiries

Contact
Name of organization / entity
Qazvin University of Medical Sciences
Full name of responsible person
Dr Ehsan Aali
Position
Assistant Professor
Latest degree
Ph.D.
Other areas of specialty/work
Medical Pharmacy
Street address
Bahonar
City
Qazvin
Province
Qazvin
Postal code
3419759811
Phone
+98 28 3333 6001
Email

e.aali@qums.ac.ir

Person responsible for updating data

Contact

Name of organization / entity
Qazvin University of Medical Sciences

Full name of responsible person
Dr Ehsan Aali

Position
Assistant Professor

Latest degree
Ph.D.

Other areas of specialty/work
Medical Pharmacy

Street address
Bahonar

City
Qazvin

Province
Qazvin

Postal code
3419759811

Phone
+98 28 3333 6001

Fax

Email
en.aali@gmail.com

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