

# Pulmonary and fitness characteristics of COVID-19 patients with persistent dyspnea and / or reduced exercise capacity

No registrations found.

<b>Ethical review</b>	Positive opinion
<b>Status</b>	Recruiting
<b>Health condition type</b>	-
<b>Study type</b>	Observational non invasive

## Summary

### ID

NL-OMON26467

### Source

NTR

### Brief title

TBA

### Health condition

COVID-19

## Sponsors and support

**Primary sponsor:** not applicable

**Source(s) of monetary or material Support:** none

## Intervention

## Outcome measures

### Primary outcome

Exploratory research into possible variables in CPET and pulmonary function tests that are

abnormal after suffering from COVID-19. Therefore it is not possible to define 1 primary outcome measure.

## **Secondary outcome**

none

# **Study description**

## **Background summary**

Background: There is a lack of knowledge about the recovery and possible detrimental long-term effects after COVID-19. Current clinical practice shows that some patients experience persistent symptoms after suffering from COVID-19. With this study we want to get more insight in the causes and mechanisms of these symptoms using pulmonary function tests and a cardiopulmonary exercise test (CPET).

Question: What are the pulmonary and fitness characteristics of patients who have persistent symptoms of dyspnea and / or reduced exercise capacity after suffering from COVID-19?

Design: Prospective observational study.

Method: Patients who are approached for participation in this study: (1) have had COVID-19, (2) have persistent symptoms of dyspnea (in rest and/or during exercise) and (3) are referred to the department of pulmonology or sports medicine in the OLVG hospital. The clinical work-up is up to the treating doctor. For this study we collect data of pulmonary function tests (including diffusion capacity), cardiopulmonary exercise tests and chest X-rays. Follow-up is planned about 9-12 months after the first visit.

## **Study objective**

We did not have a hypothesis because this is a new disease and the approach of the study is more explorative.

## **Study design**

baseline and follow-up after 9-12 months

## **Intervention**

none

# **Contacts**

**Public**

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## Eligibility criteria

### Inclusion criteria

1. Suffered from COVID-19 based on clinical criteria (fever, dyspnea, coughing, loss of smell and/or loss of taste) in March 2020 or later and currently have symptoms of dyspnea (in rest and/or during exercise) and/or reduced exercise capacity.
2. Age: 16 years or older.
3. Normally doing sports at least once a week.
4. Is able to perform a CPET.

### Exclusion criteria

Another diagnosis is regarded as the cause of the symptoms.

## Study design

### Design

Study type:	Observational non invasive
Intervention model:	Other
Allocation:	Non controlled trial
Masking:	Open (masking not used)
Control:	N/A , unknown

## Recruitment

NL  
Recruitment status: Recruiting  
Start date (anticipated): 01-06-2020  
Enrollment: 100  
Type: Anticipated

## IPD sharing statement

**Plan to share IPD:** No

## Ethics review

Positive opinion  
Date: 04-12-2020  
Application type: First submission

## Study registrations

### Followed up by the following (possibly more current) registration

No registrations found.

### Other (possibly less up-to-date) registrations in this register

No registrations found.

## In other registers

Register	ID
NTR-new	NL9093
Other	Wetenschapsbureau ACWO of OLVG Hospital : WO 20.148

## Study results