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

No registrations found.

Ethical review	Positive opinion
Status	Recruiting
Health condition type	-
Study type	Observational non invasive

Summary

ID

NL-OMON26467

Source
Nationaal Trial Register

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

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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