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

Gepubliceerd: 04-12-2020 Laatst bijgewerkt: 18-08-2022

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

Ethische beoordeling	Positief advies
Status	Werving gestart
Type aandoening	-
Onderzoekstype	Observationeel onderzoek, zonder invasieve metingen

Samenvatting

ID

NL-OMON26467

Bron
Nationaal Trial Register

Verkorte titel
TBA

Aandoening

COVID-19

Ondersteuning

Primaire sponsor: not applicable
Overige ondersteuning: none

Onderzoeksproduct en/of interventie

Uitkomstmaten

Primaire uitkomstmaten

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.

Toelichting onderzoek

Achtergrond van het onderzoek

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.

Doel van het onderzoek

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

Onderzoeksopzet

baseline and follow-up after 9-12 months

Onderzoeksproduct en/of interventie

none

Contactpersonen

Publiek

OLVG
Tom Wiggers

020-5108710

Wetenschappelijk

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Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

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.

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

Another diagnosis is regarded as the cause of the symptoms.

Onderzoeksopzet

Opzet

Type:	Observationeel onderzoek, zonder invasieve metingen
Onderzoeksmodel:	Anders
Toewijzing:	N.v.t. / één studie arm

Blindering:	Open / niet geblindeerd
Controle:	N.v.t. / onbekend

Deelname

Nederland

Status:	Werving gestart
(Verwachte) startdatum:	01-06-2020
Aantal proefpersonen:	100
Type:	Verwachte startdatum

Voornemen beschikbaar stellen Individuele Patiënten Data (IPD)

Wordt de data na het onderzoek gedeeld: Nee

Ethische beoordeling

Positief advies

Datum:	04-12-2020
Soort:	Eerste indiening

Registraties

Opgevolgd door onderstaande (mogelijk meer actuele) registratie

Geen registraties gevonden.

Andere (mogelijk minder actuele) registraties in dit register

Geen registraties gevonden.

In overige registers

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

Resultaten