Registry of COvid 19 survivors for FItness, exercise impairment and exercise Training (COFIT)

No registrations found.

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

Summary

ID

NL-OMON25117

Source
Nationaal Trial Register

Brief title
COFIT registry

Health condition

COVID 19

Sponsors and support

Primary sponsor: None
Source(s) of monetary or material Support: None

Intervention

Outcome measures

Primary outcome

Cardiorespiratory fitness measured by cardiopulmonary gas exchange measurements during exercise testing

Secondary outcome

Cardiorespiratory fitness measured by questionnaire (for validation purposes)

Study description

Background summary

COVID 19 infection has varying consequences on physical functioning on the long and short term. However, until now, knowledge on cardiorespiratory fitness (CRF) after infection is scarce, if not unavailable. By prospectively measuring CRF in COVID survivors by means of cardiopulmonary exercise testing (CPET), the actual degree of function (loss) will become known, which may be used to estimate the consequences on activities of daily life, work and sports participation in the Netherlands. Furthermore, analysis of CPET results is expected to reveal the different mechanisms by which exercise capacity is impaired, and, as such, may guide in tailoring rehabilitation programs. Finally, the study aims to validate a novel and simple questionnaire which simultaneously measures self reported CRF. Upon validation this questionnaire may be used in the COVID population as as useful and simple tool for evaluating and monitoring CRF during rehabilitation.

Study objective

Cardiorespiratory fitness (CRF) is expected to be lower in COVID survivors on short and long term compared with applicable reference values and is expected to remain low on the long term in a considerable subset of patients. CRF measured with a questionnaire has a high degree of correlation with actual CRF measured by CPET and is responsive for changes of CRF in time, making it a useful and simple tool for evaluating and monitoring CRF during rehabilitation.

Study design

At least one: at initial consultation by a sports and exercise physician including CPET. Any subsequent visit with CPET up to two years after inclusion.

Contacts

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Eligibility criteria

Inclusion criteria

Adult patients with resolved but confirmed COVID 19 infection requiring CPET as part of their rehabilitation.

Exclusion criteria

Inability to perform a cardiopulmonary exercise test. Inability to answer a questionnaire.

Study design

Design

Study type:	Observational non invasive
Intervention model:	Other
Allocation:	Non controlled trial
Masking:	Single blinded (masking used)
Control:	N/A , unknown

Recruitment

NL

Recruitment status:	Recruiting
Start date (anticipated):	14-08-2020
Enrollment:	200
Type:	Anticipated

IPD sharing statement

Plan to share IPD: Undecided

Ethics review

Positive opinion

Date:	14-08-2020
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	NL8836
Other	METC Máxima MC : N20.081

Study results