

# Functional status and health status in COVID-19 patients pre and post rehabilitation

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-OMON21287

### Source

NTR

### Health condition

COVID-19

## Sponsors and support

**Primary sponsor:** Board of Directors CIRO

**Source(s) of monetary or material Support:** N/A

## Intervention

## Outcome measures

### Primary outcome

- Functional status, assessed with Short Physical Performance Battery (SPPB), hand grip strength, Medical Research Council, Medical Research Council for muscle strenght, lower-limb muscle function using a hand-held dynamometer
- Health status, assessed with Nijmegen Clinical Screening Instrument (NCSI), Hospital Anxiety and Depression Scale (HADS), Care Dependency Scale (CDS), European Health Literacy Survey (HLS\_EU\_Q16), COPD Assessment Test (CAT), Patient Activation Measure

(PAM)

## **Secondary outcome**

Change in functional status and health status after a multidisciplinary rehabilitation program.

## **Study description**

### **Background summary**

At the moment, thousands of people in the Netherlands are (or have been) hospitalized because of Corona Virus 2019 (COVID-19), and about a quarter of these patients is being treated with long-term mechanical ventilation in the Intensive Care Unit (ICU). Based on acute respiratory distress syndrome (ARDS) survival studies, it seems reasonable to hypothesize that many patients with COVID-19 will also experience physical and/or emotional consequences after hospitalization, which in turn will have a negative impact on the quality of life. However, there is no available evidence at present, as information about the longitudinal impact of COVID-19 is lacking.

This observational study will provide an initial understanding of the impact of hospitalization on functional status and health status quality in patients with COVID-19. Furthermore, our data will provide insight in the possible beneficial effect of rehabilitation on functional status and health status in COVID-19 patients after discharge from the hospital.

### **Study objective**

It is expected that functional status and health status is impaired in COVID-19 patients after hospital discharge and that this will improve after a multidisciplinary rehabilitation program.

### **Study design**

Patients will perform a baseline assessment when admitted to Ciro. If necessary, patients will perform an 8-week multidisciplinary rehabilitation program. Tests and questionnaires will be repeated after the rehabilitation period.

## **Contacts**

### **Public**

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## Scientific

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## Eligibility criteria

### Inclusion criteria

COVID-10 patients referred to Ciro Horn after hospital discharge

### Exclusion criteria

-

## 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):	30-03-2020
Enrollment:	30
Type:	Anticipated

## IPD sharing statement

**Plan to share IPD:** Undecided

## Ethics review

Positive opinion

Date: 15-04-2020

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 NL8535

Other medisch-ethische toetsingscommissie (METC) azM/UM : METC 2020-1340

## Study results