

Physical recovery of Intensive Care Unit survivors

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To determine the feasibility of the measurement protocol of a large prospective longitudinal study to describe the exercise capacity and physical functioning of critical illness survivors up to 5 years after discharge from the ICU.

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

Samenvatting

ID

NL-OMON22617

Bron

NTR

Verkorte titel

TBA

Aandoening

Post-intensive care syndrome

Ondersteuning

Primaire sponsor: Amsterdam UMC, locatie AMC, department of Rehabilitation

Overige ondersteuning: Amsterdam UMC, locatie AMC, department of Rehabilitation

Onderzoeksproduct en/of interventie

Uitkomstmaten

Primaire uitkomstmaten

1. Feasibility of the measurement protocol; 2. Maximal exercise capacity; 3. Perceived physical functioning

Toelichting onderzoek

Achtergrond van het onderzoek

Rationale: Several studies evaluated the deleterious effect of critical illness on physical functioning, with exercise limitations and neuromuscular abnormalities, during and shortly after hospital discharge. As survival rates improve among critically ill patients, there is a growing need to also understand the long-term effects. This information is currently lacking, but crucial for the development of optimal rehabilitation strategies for critical illness survivors after hospital discharge. Therefore, we aim to set up a large prospective longitudinal study to describe the exercise capacity and physical functioning of critical illness survivors up to 5 years after discharge from the Intensive Care Unit (ICU) and to explore potential determinants. To determine the feasibility of the measurement protocol, we will first conduct a cross-sectional feasibility study, including critical illness survivors in different phases of their recovery.

Objective: This project aims to obtain more insight into the feasibility of the measurement protocol of a large prospective longitudinal study to describe the exercise capacity and physical functioning of critical illness survivors up to 5 years after discharge from the ICU.

Doel van het onderzoek

To determine the feasibility of the measurement protocol of a large prospective longitudinal study to describe the exercise capacity and physical functioning of critical illness survivors up to 5 years after discharge from the ICU.

Onderzoeksopzet

0-5 years post-ICU discharge

Contactpersonen

Publiek

Amsterdam UMC, Locatie AMC
Bastian Stocker

+31621155951

Wetenschappelijk

Amsterdam UMC, Locatie AMC
Bastian Stocker

Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

In order to be eligible to participate in this study, a subject must meet all of the following criteria:

- Admitted to an ICU.
- Mechanically ventilated $\geq$ 24 hours.
- Discharged alive from the ICU.
- Minimum age of 18 years.

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

A potential subject who meets any of the following criteria will be excluded from participation in this study:

- Contraindication for being physically active (according to the guidelines by the American College of Sports Medicine).
- Documented history of neurologic disease or psychiatric disease or significant cognitive impairment.
- Unable to follow verbal or written instructions.
- Insufficient mastery of the Dutch language.

Onderzoeksopzet

Opzet

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

Deelname

Nederland

Status:	Werving nog niet gestart
(Verwachte) startdatum:	17-07-2020
Aantal proefpersonen:	30
Type:	Verwachte startdatum

Voornemen beschikbaar stellen Individuele Patiënten Data (IPD)

Wordt de data na het onderzoek gedeeld: Nee

Ethische beoordeling

Positief advies	
Datum:	17-07-2020
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	NL8780
Ander register	METC AMC : METC2019_238

Resultaten