

Physical recovery of Intensive Care Unit survivors

No registrations found.

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

Summary

ID

NL-OMON22617

Source

NTR

Brief title

TBA

Health condition

Post-intensive care syndrome

Sponsors and support

Primary sponsor: Amsterdam UMC, location AMC, department of Rehabilitation

Source(s) of monetary or material Support: Amsterdam UMC, location AMC, department of Rehabilitation

Intervention

Outcome measures

Primary outcome

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

Secondary outcome

1. Muscle function; 2. Daily activity; 3. Health-related quality of life; 4. Fatigue; 5. Endurance capacity; 6. Dietary intake/screening for malnutrition; 7. Return to work; 8. Mental function; 9. Cognitive function

Study description

Background summary

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.

Study objective

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.

Study design

0-5 years post-ICU discharge

Contacts

Public

Amsterdam UMC, Locatie AMC
Bastian Stocker

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Scientific

Eligibility criteria

Inclusion criteria

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 ≥ 24 hours.
- Discharged alive from the ICU.
- Minimum age of 18 years.

Exclusion criteria

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.

Study design

Design

Study type:	Observational non invasive
Intervention model:	Other
Allocation:	Non controlled trial
Control:	N/A , unknown

Recruitment

NL
Recruitment status: Pending
Start date (anticipated): 17-07-2020
Enrollment: 30
Type: Anticipated

IPD sharing statement

Plan to share IPD: No

Ethics review

Positive opinion
Date: 17-07-2020
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	NL8780
Other	METC AMC : METC2019_238

Study results