

Acceptability and feasibility of exercise therapy in an aquatic environment for patients after burn injury

Published: 23-05-2016

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To investigate the acceptability and feasibility of exercise therapy in an aquatic environment by patients after burn injury.

Ethical review	Approved WMO
Status	Recruitment stopped
Health condition type	Muscle disorders
Study type	Observational non invasive

Summary

ID

NL-OMON43883

Source

ToetsingOnline

Brief title

Aquarius

Condition

- Muscle disorders
- Epidermal and dermal conditions

Synonym

burns, thermal injury

Research involving

Human

Sponsors and support

Primary sponsor: Maasstadziekenhuis

Source(s) of monetary or material Support: De Nederlandse Brandwonden Stichting financiert het onderzoek

Intervention

Keyword: aquatraining, burns, rehabilitation

Outcome measures

Primary outcome

Acceptability of exercise therapy in an aquatic environment.

Secondary outcome

Secondary study parameters are the following.

* Feasibility:

- ratio of the number of patients that participated in aquatic exercise therapy

and the total number of eligible patients

- attendance rate of both forms of exercise therapy

- short questionnaire, to be filled out by patients having opted for exercise

therapy on land, including items why they did not want or were able to

participate in the aquatic exercise therapy

- complications, with specific attention to problems related to wound healing

and infection

- * Recovery of activities and health related quality of life.

Other study parameters:

- * Enjoyment.

- * Self-efficacy

- * Profile of (non)participants: appearance, previous activity habits, patient

and burn characteristics

Study description

Background summary

A substantial number of people who have sustained a burn injury will need to regain their former fitness and activity levels after hospitalisation. Exercise therapy can help, and has proven to be effective in patients with burns. Whether exercise therapy is land or water based, the effect is largely comparable. The relevance, added value however, of exercise therapy in an aquatic environment is in lowering the threshold of becoming active by offering an environment that, among many other things, makes movement easier and is safe. However, the aquatic environment may in itself be a barrier e.g. requiring more planning and people may have problems exposing themselves in swimsuit.

Study objective

To investigate the acceptability and feasibility of exercise therapy in an aquatic environment by patients after burn injury.

Study design

Observational study

Study burden and risks

Participation in aquatic exercise therapy is by choice (patients have a clinical indication for exercise therapy, and can choose to do this on land) and is scheduled in combination with patients* standard follow-up appointments, the burden of this study is primarily filling out the questionnaires.

Contacts

Public

Maasstadziekenhuis

Maasstadweg 21
Rotterdam 3097 DZ
NL

Scientific

Maasstadziekenhuis

Maasstadweg 21

Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age

Adults (18-64 years)

Elderly (65 years and older)

Inclusion criteria

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

- competent (as determined by the treating burn physician)
- adult (18 years or older)
- been admitted to the burn centre and continuing with outpatient treatment
- healed or almost healed burns
- have an indication for exercise therapy (as indicated by the rehabilitation physician)

Exclusion criteria

Excluded will be patients with insufficient understanding of the Dutch language to be able to follow instructions and / or give informed consent

Study design

Design

Study type: Observational non invasive

Intervention model: Other

Allocation:	Non-randomized controlled trial
Masking:	Open (masking not used)
Control:	Active
Primary purpose:	Other

Recruitment

NL	
Recruitment status:	Recruitment stopped
Start date (anticipated):	23-06-2016
Enrollment:	30
Type:	Actual

Ethics review

Approved WMO	
Date:	23-05-2016
Application type:	First submission
Review commission:	MEC-U: Medical Research Ethics Committees United (Nieuwegein)

Study registrations

Followed up by the following (possibly more current) registration

No registrations found.

Other (possibly less up-to-date) registrations in this register

ID: 23053
Source: NTR
Title:

In other registers

Register	ID
CCMO	NL54712.101.16

Register

Other

OMON

ID

OND1359297

NL-OMON23053