EFFICACY OF A PHYSICAL ACTIVITY COACHING SYSTEM FOR PATIENTS WITH COPD
(Effectiviteitsonderzoek naar een coachingsprogramma voor het behouden van fysieke activiteit in patienten met COPD)

No registrations found.

Ethical review	Positive opinion
Status	Recruitment stopped
Health condition type	-
Study type	Interventional

Summary

ID

NL-OMON28407

Source
Nationaal Trial Register

Brief title
/

Health condition

COPD patients (Chronic Obstructive Pulmonary Disease); Physical activity; coaching; pulmonary rehabilitation

Sponsors and support

Primary sponsor: Philips Research and CIRO+ expertise center, the Netherlands
Source(s) of monetary or material Support: Philips Research and CIRO+ expertise center, the Netherlands

Intervention

Outcome measures

Primary outcome

-Physical activity

-Psycho-social factors by several questionnaires (e.g., anxiety, depression, self efficacy, responses to physical activity, motivation, personality, mood, clinical control variables).

-possible other explanatory factors for differences in physical activity, such as commonly used transport, having a dog, home settings (how do you live?), and exacerbation history.

Secondary outcome

-Evaluate the acceptance and usability of COPD patients to use an electronic physical activity coaching program at home by a short interview and google analytics

Study description

Background summary

Study physical activity of COPD patients before, during, and after pulmonary rehabilitation. Evaluate if the physical activity coaching system, designed by Philips Research, can support the maintenance of physical activity of COPD patients at home after pulmonary rehabilitation, compared to a control group without receiving physical activity coaching at home, and without receiving insight into their physical activities during the whole study.

Study objective

Study physical activity of COPD patients before, during, and after pulmonary rehabilitation. Evaluate if the physical activity coaching system, designed by Philips Research, can support the maintenance of physical activity of COPD patients at home after pulmonary rehabilitation, compared to a control group without receiving physical activity coaching at home, and without receiving insight into their physical activities during the whole study.

Study design

start (8-16 week, inpatient) rehab; end rehab; and after 8 weeks at home.

Intervention

One group (group 1; experimental group) of subjects receive physical activity insight & coaching after pulmonary rehabilitation by the developed Philips physical activity coaching system. The other group (group 2; control) only wears the activity monitor, without receiving coaching, and without receiving insight into their physical activities.

Contacts

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Eligibility criteria

Inclusion criteria

• Age > 45 years;

• Clinical diagnosis of COPD according to Global Initiative for Chronic Obstructive Lung Disease (GOLD)1 referred for pulmonary rehabilitation;

• Physically and mentally capable to cooperate;

• Sufficient understanding of the Dutch language;

• Clinical stability concerning pulmonary infections or acute exacerbations within last four weeks before the start of the study;

• Absence of recent Myocardial Infarction (within last 3 months), unstable angina, other significant cardiac problems, resting SBP > 180 mmHg, resting DBP > 100 mmHg or tachycardia;

• Absence of significant orthopaedic, neurological, cognitive and/or psychiatric impairment restricting mobility.

• Internet Access at home.

Exclusion criteria

• Subjects who do not meet the above mentioned inclusion criteria

• Subjects who are not primarily diagnosed with COPD

• Subjects unwilling or unable to sign the informed consent form

• Subjects with any significant disorder or disease other than COPD expected to significantly interfere with the study

• Subjects with orthopaedic, neurological or other complaints that significantly impair normal biomechanical movement patterns, as judged by the investigator;

• Subjects with respiratory diseases other than COPD (e.g. asthma);

• Subjects with COPD exacerbations within 4 weeks prior to Visit 1;

• Subjects with cognitive impairment

Study design

Design

Study type:	Interventional
Intervention model:	Parallel
Allocation:	Randomized controlled trial
Masking:	Open (masking not used)
Control:	Active

Recruitment

NL

Recruitment status:	Recruitment stopped
Start date (anticipated):	01-04-2015
Enrollment:	90
Type:	Actual

Ethics review

Positive opinion

Date:	30-10-2015
Application type:	First submission

Study registrations

Followed up by the following (possibly more current) registration

ID: 47200
Bron: ToetsingOnline
Titel:

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

No registrations found.

In other registers

Register	ID
NTR-new	NL5277
NTR-old	NTR5558
CCMO	NL52206.100.15
OMON	NL-OMON47200

Study results