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Effects of exercise training on oxygen onset and recovery kinetics at submaximal exercise in patients with chronic heart failure

Submission date 19/07/2006	**Recruitment status** No longer recruiting	[_] Prospectively registered [_] Protocol [_] Statistical analysis plan [X] Results [_] Individual participant data
Registration date 19/07/2006	**Overall study status** Completed	
Last Edited 08/01/2021	**Condition category** Circulatory System	

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

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Additional identifiers

EudraCT/CTIS number

IRAS number

ClinicalTrials.gov number

Secondary identifying numbers

NL576, NTR632

Study information

Scientific Title
Effects of exercise training on oxygen onset and recovery kinetics at submaximal exercise in patients with chronic heart failure

Study objectives
The time constant of oxygen uptake during recovery of submaximal exercise is a reliable parameter to measure the effects of exercise training in patients with chronic heart failure

Ethics approval required
Old ethics approval format

Ethics approval(s)
Not provided at time of registration

Study design
Randomised crossover study

Primary study design
Interventional

Secondary study design
Randomised controlled trial

Study setting(s)
Not specified

Study type(s)
Treatment

Participant information sheet

Health condition(s) or problem(s) studied
Heart failure

Interventions
Exercise training (12 weeks) versus standard care

Intervention Type
Other

Phase
Not Specified

Primary outcome measure
Change of time constant of oxygen onset or recovery kinetics >10 seconds

Secondary outcome measures
1. Change in peak volume of oxygen (VO2)
2. Quality of life

Overall study start date
01/09/2002

Completion date
01/01/2007

Eligibility

Key inclusion criteria
Stable chronic heart failure (CHF) (New York Heart Association [NYHA] class II-III and echocardiographical ejection fraction </= 40%) attributed to idiopathic dilated cardiomyopathy or ischemic heart disease due to myocardial infarction

Participant type(s)
Patient

Age group
Adult

Sex
Both

Target number of participants
40

Total final enrolment
24

Key exclusion criteria
1. Myocardial infarction or unstable angina pectoris in previous three months
2. Atrial fbrillation or flutter
3. Chronic obstructive pulmonary disorder (COPD) (Tiffenau index <60%)

Date of first enrolment
01/09/2002

Date of final enrolment
01/01/2007

Locations

Countries of recruitment
Netherlands

Study participating centre
Máxima Medical Centre
Veldhoven
Netherlands
5500 MB

Sponsor information

Organisation
Máxima Medical Center, Department of Sport Medicine (The Netherlands)

Sponsor details
P.O. Box 7777
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5500 MB

Sponsor type
Hospital/treatment centre

ROR
https://ror.org/02x6rcb77

Funder(s)

Funder type
Charity

Funder Name
'Friends of the Heart' Foundation (Stichting 'Vrienden van het Hart')

Results and Publications

Publication and dissemination plan
Not provided at time of registration

Intention to publish date

Individual participant data (IPD) sharing plan

IPD sharing plan summary

Not provided at time of registration

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Abstract results	results presented at the European Society of Cardiology meeting	01/05/2006	08/01/2021	No	No