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Accuracy of a 'level of fitness dependent protocol' for measuring VO2-max using bicycle-ergometry

Submission date	Recruitment status	[ ] Prospectively registered
14/02/2006	No longer recruiting	[ ] Protocol
Registration date	**Overall study status**	[ ] Statistical analysis plan
14/02/2006	Completed	[ ] Results
Last Edited	**Condition category**	[ ] Individual participant data
05/11/2008	Other	[ ] Record updated in last year

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
NTR536

Study information

Scientific Title

Study objectives
If the 'level of fitness dependant protocol' produces a higher VO2-max in comparison with the adapted Bruce protocol, then a relevant difference can be shown when the results are statistically analysed.

Ethics approval required
Old ethics approval format

Ethics approval(s)
Received from the local medical ethics committee

Study design
Randomised, double blind, controlled, parallel group trial

Primary study design
Interventional

Secondary study design
Randomised controlled trial

Study setting(s)
Hospital

Study type(s)
Diagnostic

Participant information sheet

Health condition(s) or problem(s) studied
Accuracy of a 'level of fitness dependent protocol'

Interventions
Subjects will do both exercise tests with a minimum of one week and a maximum of 3 weeks in between. Which test is taken first is decided by means of chance.

Intervention Type
Other

Phase
Not Specified

Primary outcome measure
The maximum VO2 of both tests taken.

Secondary outcome measures

No secondary outcome measures

Overall study start date
13/12/2005

Completion date
01/05/2006

Eligibility

Key inclusion criteria
1. Aged 20 - 65 years of age
2. Healthy subjects

Participant type(s)
Patient

Age group
Adult

Sex
Both

Target number of participants
72

Key exclusion criteria
1. Use of medication concerning blood pressure or heart
2. Smoking subjects
3. Younger than 20 or older than 65 years
4. Musculoskeletal disorders which affect maximal bicycle ergometry

Date of first enrolment
13/12/2005

Date of final enrolment
01/05/2006

Locations

Countries of recruitment
Netherlands

Study participating centre
St Anna Zorggroep
Geldrop
Netherlands
5660 AB

Sponsor information

Organisation
St Anna Caregroup (St Anna Zorggroep) (The Netherlands)

Sponsor details
Department of Sports and Medicine
P.O. Box 90
Geldrop
Netherlands
5660 AB

Sponsor type
Hospital/treatment centre

ROR
https://ror.org/04y89nz36

Funder(s)

Funder type
Hospital/treatment centre

Funder Name
St Anna Caregroup (St Anna Zorggroep) (The Netherlands)

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