

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

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|--|---|--|
| <b>Submission date</b><br>14/02/2006   | <b>Recruitment status</b><br>No longer recruiting | <input type="checkbox"/> Prospectively registered    |
| <b>Registration date</b><br>14/02/2006 | <b>Overall study status</b><br>Completed          | <input type="checkbox"/> Protocol                    |
| <b>Last Edited</b><br>05/11/2008       | <b>Condition category</b><br>Other                | <input type="checkbox"/> Statistical analysis plan   |
|  |   | <input type="checkbox"/> Results                     |
|  |   | <input type="checkbox"/> Individual participant data |
|  |   | <input type="checkbox"/> Record updated in last year |

## Plain English summary of protocol

Not provided at time of registration

## Contact information

### Type(s)

Scientific

### Contact name

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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