

Normal values of echocardiography and exercise performance in children 12-18 years old

Published: 26-03-2007

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To assess normal values of echocardiographic parameters and exercise tolerance as assessed by bicycle ergometry in healthy schoolchildren 12-18 years old.

Ethical review	Approved WMO
Status	Recruiting
Health condition type	Congenital cardiac disorders
Study type	Observational non invasive

Summary

ID

NL-OMON30475

Source

ToetsingOnline

Brief title

Normal values of echocardiography and exercise performance

Condition

- Congenital cardiac disorders

Synonym

normal values

Research involving

Human

Sponsors and support

Primary sponsor: Erasmus MC, Universitair Medisch Centrum Rotterdam

Source(s) of monetary or material Support: Ministerie van OC&W

Intervention

Keyword: children, echocardiography, exercise

Outcome measures

Primary outcome

The development of normal values for exercise tolerance and echocardiographic parameters in healthy schoolchildren, 12-18 years old.

Secondary outcome

Heart rate and blood pressure increases during exercise

Study description

Background summary

The department of pediatric cardiology frequently performs studies among patients. It is essential to compare results with normal values in a healthy population. However, both normal values about exercise tolerance as assessed by means of bicycle ergometry and newly developed echocardiographic parameters are lacking. The aim of the present study is therefore to develop such normal values

Study objective

To assess normal values of echocardiographic parameters and exercise tolerance as assessed by bicycle ergometry in healthy schoolchildren 12-18 years old.

Study design

Maximal exercise test by means of bicycle ergometry
Echocardiography

Study burden and risks

No risks
1.5 hours time investment

Contacts

Public

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Scientific

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Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age

Adolescents (12-15 years)

Adolescents (16-17 years)

Inclusion criteria

Healthy children from 12-18 years

Exclusion criteria

Chronic diseases/ Use of medication

Study design

Design

Study type: Observational non invasive

Masking: Open (masking not used)

Control: Uncontrolled

Primary purpose: Other

Recruitment

NL

Recruitment status: Recruiting

Start date (anticipated): 01-05-2007

Enrollment: 120

Type: Actual

Ethics review

Approved WMO

Date: 26-03-2007

Application type: First submission

Review commission: METC Erasmus MC, Universitair Medisch Centrum Rotterdam (Rotterdam)

Study registrations

Followed up by the following (possibly more current) registration

No registrations found.

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

No registrations found.

In other registers

Register

CCMO

ID

NL14275.078.06