

Validation of a food frequency questionnaire on energy consumption in children aged 4 to 6 years using the double labelled water method

Published: 24-11-2006

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To validate the developed food frequency questionnaire using the double labeled water method.

Ethical review	Approved WMO
Status	Recruitment stopped
Health condition type	Other condition
Study type	Observational non invasive

Summary

ID

NL-OMON30392

Source

ToetsingOnline

Brief title

Validation of a food frequency questionnaire

Condition

- Other condition

Synonym

obesitas, overweight

Health condition

overgewicht is een eerste stap inde ontwikkeling van een voedselstoornis

Research involving

Human

Sponsors and support

Primary sponsor: TNO

Source(s) of monetary or material Support: Ministerie VWS

Intervention

Keyword: Children, Double labeled water, Energy consumption, Food frequency questionnaire

Outcome measures

Primary outcome

Mean and standard deviations will be calculated of energy intake en expenditure.

Both methods will be compared using a paired Student t-test.

Secondary outcome

Adverse events will be registered

Study description

Background summary

The number of children with overweight has increased dramatically over the past years. The principal cause of the increasing number of overweight children is an imbalance between energy intake and energy expenditure. There is a urgent need for a well defined and validated method to measure energy intake and expenditure. This method is of great importance to gain reliable data for studies in young children.

Study objective

To validate the developed food frequency questionnaire using the double labeled water method.

Study design

A parallel, open study in two groups of young children

The double labeled water method will be used to validate the food frequency questionnaire.

Study burden and risks

The double labeled method has proved to be a reliable and safe method in young children.

Contacts

Public

TNO

Postbus 360
3700 AJ Zeist
Nederland

Scientific

TNO

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3700 AJ Zeist
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Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age

Children (2-11 years)

Inclusion criteria

Age 4-6 years
Healthy as assessed by lifestyle and health questionnaire
Healthy weight (BMI < 17.6)
Overweight (BMI > 17.6)

Exclusion criteria

Participated in a non invasive study 30 days prior to this study
History of diseases influencing the study results (e.g., Prader-Willy syndrome)
Not toilet-trained (day and night)
Using prescribed medication influencing the study

Study design

Design

Study type: Observational non invasive

Masking: Open (masking not used)

Control: Uncontrolled

Primary purpose: Basic science

Recruitment

NL

Recruitment status: Recruitment stopped

Start date (anticipated): 01-12-2006

Enrollment: 30

Type: Anticipated

Ethics review

Approved WMO

Application type: First submission

Review commission: METC Brabant (Tilburg)

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

NL14854.028.06