

"Mum can I have some more vegetables today?"

GRIP-Studie (GRoente Inname Peuters).

No registrations found.

Ethical review	Positive opinion
Status	Recruiting
Health condition type	-
Study type	Interventional

Summary

ID

NL-OMON23534

Source

Nationaal Trial Register

Brief title

GRIP-Studie

Health condition

Vegetables, Toddlers, Intake, Preference, Mechanism.
Groente, kleuters, inname, voorkeuren, mechanisme.

Sponsors and support

Primary sponsor: WUR

Source(s) of monetary or material Support: EU

Intervention

Outcome measures

Primary outcome

Preference will be a main endpoint of the study. Preference will be measured in two ways:

1. Two pair preference test of two vegetable products;
2. Two-flavour consumption test: The children will be invited to eat as much as they want from the two target vegetable products on different days, both as LE versions (ad libitum consumption). Consumption will be used as an indicator of preference.

Secondary outcome

Consumption data during the conditioning trials to measure if at least 70% of each of the product is consumed (Johnson, 1991).

After each conditioning trial the consumption of the lunch will be registered to provide evidence regarding children's responsiveness to the caloric density manipulation.

Study description

Background summary

Rationale:

Children's consumption of vegetables is below recommendations. Since preference is the most important predictor of children's intake and most children dislike vegetables, new strategies are needed to increase their preferences for vegetables. Flavour-nutrient learning is one of the effective mechanisms to change preferences.

Objective:

To understand more of the learning principles of vegetable consumption in young children (2-4 years). The aim of this study is to investigate the effect of flavour nutrient learning on vegetable preference and intake.

Study objective

To investigate if flavour nutrient learning is an effective mechanism to increase children's vegetable intake. Is there an effect?

Study design

The GRIP-study is a conditioning study at a daycare of 9 weeks with 2 durability tests to investigate the sustainability of the mechanism, one after 2 months and one after 6 months if

there is an increase on intake. In 7 conditioning trials (14 days), children repeatedly consume ad random a fixed amount (125 gram) of two different vegetable products. The vegetable products differ in taste and energy content.

Intervention

Intervention with nutrition (vegetables) based on therapeutical effect. Participants will learn an increased preference for vegetables.

In 7 conditioning trials (14 days), children repeatedly consume ad random a fixed amount (125 gram) of two different vegetable products. The vegetable products differ in taste and energy content.

Contacts

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Eligibility criteria

Inclusion criteria

1. Healty toddlers;
2. 1.9 - 4 years old;

3. With permission from their parents to participate.

Exclusion criteria

1. Parents will not sign the informed consent;
2. Children with a food allergy for one of the substances used in the study such as maltodextrin, sun flower oil, rice flour, spinach or endive.

Study design

Design

Study type:	Interventional
Intervention model:	Crossover
Allocation:	Randomized controlled trial
Masking:	Single blinded (masking used)
Control:	N/A , unknown

Recruitment

NL	
Recruitment status:	Recruiting
Start date (anticipated):	01-03-2011
Enrollment:	24
Type:	Anticipated

Ethics review

Positive opinion	
Date:	04-03-2011
Application type:	First submission

Study registrations

Followed up by the following (possibly more current) registration

ID: 36489

Bron: ToetsingOnline

Titel:

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

No registrations found.

In other registers

Register	ID
NTR-new	NL2665
NTR-old	NTR2793
CCMO	NL34553.081.11
ISRCTN	ISRCTN wordt niet meer aangevraagd.
OMON	NL-OMON36489

Study results

Summary results

N/A