

# Sweet and Salt preferences in children that started weaning exclusively with fruit or with vegetables.

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Objective: The main objective is to test the preference for sweet and saltwater solutions in infants that started weaning exclusively with fruit or with vegetables. Acceptance of sweet and salt intensity is compared between the fruit and vegetable...

<b>Ethical review</b>	Approved WMO
<b>Status</b>	Recruitment stopped
<b>Health condition type</b>	Other condition
<b>Study type</b>	Observational non invasive

## Summary

### ID

NL-OMON36102

### Source

ToetsingOnline

### Brief title

VaVo-study

### Condition

- Other condition

### Synonym

NA

### Health condition

Het onderzoek heeft geen betrekking op aandoeningen

### Research involving

Human

## Sponsors and support

**Primary sponsor:** Wageningen Universiteit

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

## Intervention

**Keyword:** infants, saltsolution, sweetsolution, taste preferences

## Outcome measures

### Primary outcome

The main study parameter is the difference between water intake and solution intake. Other parameters are the applepuree and greenbeanspuree intake in grams.

### Secondary outcome

- Mothers\* perceived liking
- Observational liking (analyzing of facial expressions)
- 3 day food diary

## Study description

### Background summary

Consumption of added sugars may be related to a higher prevalence of obesity. Weaning with sweet fruit purees as is usually done in the Netherlands may promote a liking for high sugar levels in foods later on in life. Weaning with vegetables may lower the optimal sugar levels in foods.

### Study objective

Objective: The main objective is to test the preference for sweet and saltwater solutions in infants that started weaning exclusively with fruit or with vegetables. Acceptance of sweet and salt intensity is compared between the fruit and vegetable groups, but also linked to the infants initial fruit and vegetable acceptance in the group as a whole.

## Study design

This is a parallel study design..

This study is part of the longitudinal VaVo-study in which we measure the development of fruit and vegetable preferences in infants that started weaning exclusively with fruit or with vegetables. This intervention takes part 16 months after the infants started with the first phase of the Vavo-study.

During the first two test sessions the intake of the apple or the greenbeanspuree will be measured.

During the third test session two sequences of 4 bottles are presented to the child. One sequence for sweet and one for salt. For each taste 4 feeding bottles with solutions are presented to the infant. A tasting session for each solution exists of: water bottle- solution bottle- solution bottle -water bottle. Each bottle is presented to the children for 45 seconds. Between the different bottles that are presented is a 15 second pause.

## Intervention

During the test session two sequences of 4 bottles are presented to the child. One sequence for sweet and one for salt. For each taste 4 feeding bottles with solutions are presented to the infant. A tasting session for each solution exists of: water bottle- solution bottle- solution bottle -water bottle. Each bottle is presented to the children for 45 seconds. Between the different bottles that are presented is a 15 second pause.

## Study burden and risks

The burden for the child is considered minimal. The parents come 3 times with the child to our test location. On the first 2 days the children are fed apple puree and green beans puree. On the third day the children receive feeding bottles with water, salt solution or sucrose solution. They are presented in a playful manner only 45 seconds per bottle (8 in total: 4 water, 2 salt and 2 sucrose. Each 50 ml). The child decides how much he or she drinks.

## Contacts

### Public

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### Scientific

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## Trial sites

### Listed location countries

Netherlands

## Eligibility criteria

### Age

Children (2-11 years)

### Inclusion criteria

Infants between 18 and 21 months that participated in the first part of the VaVo-study. The infants were already included in the study when they were between 4 and 6 months old.

### Exclusion criteria

If the parents don't want the infants to eat or drink the products we use in this study., they are only excluded from that particular part of the study. The parents can still fill in the 3-day fooddiary.

## Study design

### Design

Study type:	Observational non invasive
Intervention model:	Parallel
Masking:	Single blinded (masking used)
Control:	Uncontrolled
Primary purpose:	Other

## Recruitment

NL  
Recruitment status: Recruitment stopped  
Start date (anticipated): 14-11-2011  
Enrollment: 103  
Type: Actual

## Ethics review

Approved WMO  
Date: 07-11-2011  
Application type: First submission  
Review commission: METC Wageningen Universiteit (Wageningen)

## 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	ID
CCMO	NL36804.081.11