

The effect of Frisian Flag GUM 456 (isomaltulose enriched and mineral and vitamin fortified) on cognitive performance parameters in young children.

No registrations found.

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

Summary

ID

NL-OMON21372

Source

Nationaal Trial Register

Health condition

healthy 5-6 year old children, memory and attention span will be studied

Sponsors and support

Primary sponsor: Fakultas Kedokteran Universitas Indonesia

Fakultas Kedokteran Universitas Indonesia

University of Indonesia

Jl. Salemba Raya 4, Jakarta 10430, Indonesia

Source(s) of monetary or material Support: FrieslandCampina

Intervention

Outcome measures

Primary outcome

1 - The effect of Frisian Flag GUM 456 (isomaltulose enriched and mineral and vitami ... 26-05-2025

Scores on memory and attention span during the first 180 minutes following the consumption of the test product.

Secondary outcome

Other markers of cognitive performance that come from the use of ANT test battery. Also antropometric measurements, height, weight, health questionnaire, urine, heart rate.

Study description

Background summary

There is much evidence to support positive effects of breakfast on cognitive performance of children. Sofar this is especially related to the glycemic index of the meals, the carbohydrates in particular. Previous studies have shown a particular acute effect of isomaltulose and added minerals and vitamins on cognitive performance (in prep). This study aims at extending this finding and to optimize the formula. The study will be performed in indonesian children aged 5-6 years, recruited in Jakarta.

Study objective

Isomaltulose reduces the decline in working memory and attention span in older children. This reduction in decline is also seen when lower amounts of isomaltulose are combined with a mix of minerals and vitamins.

Study design

T=0m;

T=90m;

T=180m.

Intervention

1. A: Regular Growing up Milk;
2. B : A + isomaltulose;
3. C : B with double isomaltulose;
4. D : B with mix of vitamins & minerals.

Contacts

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Eligibility criteria

Inclusion criteria

1. Normal score on Wechsler Scales;
2. Hb within the normal range;
3. Average height;
4. Normal body weight;
5. Normal dietary pattern (food questionnaire);
6. Regular and easy milk consumption (2*200 ml per day).

Exclusion criteria

Symptoms of or diagnosed for allergy, chronic infections, thyroid disorders, diabetes or lactose intolerance, and mental disturbances or retarded development.

Study design

Design

Study type:	Interventional
Intervention model:	Parallel
Allocation:	Randomized controlled trial
Masking:	Double blinded (masking used)
Control:	Placebo

Recruitment

NL	
Recruitment status:	Recruiting
Start date (anticipated):	17-05-2011
Enrollment:	120
Type:	Anticipated

Ethics review

Positive opinion	
Date:	11-05-2011
Application type:	First submission

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
NTR-new	NL2754

Register	ID
NTR-old	NTR2893
Other	FrieslandCampina Innovation International : Nutr-AS-002-2011
ISRCTN	ISRCTN wordt niet meer aangevraagd.

Study results

Summary results

N/A