Cognitive training against obesity.

Gepubliceerd: 30-03-2012 Laatst bijgewerkt: 18-08-2022

We hypothesize that training inhibitory skills will lead to more succes of a lifestyle based treatment of obesity in children.

Ethische beoordeling	Niet van toepassing
Status	Werving nog niet gestart
Type aandoening	-
Onderzoekstype	Interventie onderzoek

Samenvatting

ID

NL-OMON23099

Bron
NTR

Aandoening

obesity

Ondersteuning

Primaire sponsor: Maastricht University Medical Center
Overige ondersteuning: Maastricht University

Onderzoeksproduct en/of interventie

Uitkomstmaten

Primaire uitkomstmaten

1. Lower BMI (measured height and weight);
2. Less caloric intake of snack food in the lab (bogus taste test).

Toelichting onderzoek

Achtergrond van het onderzoek

Prevalences of overweight and obesity are rising amongst young children. Besides the adjustment of one's diet and physical exercise, the role that impulsive behaviour plays in the obesity problem is now recognized. Previous studies have shown that impulsive behaviour, measured on a general level using a computerized task, is more prevalent amongst children who are in treatment for obesity en amongst obese children in the general population. Moreover, children who exhibit impulsive behaviour react less well to regular obesity treatments. It has been shown that impulsivity and its opposite behaviour inhibition can be manipulated or trained and that one-trial
training has at least a momentary effect on acute overeating behaviour.

In this study we want to investigate whether it is possible to train inhibition in the long term in order to support the effectiveness of lifestyle interventions that combat obesity.

Doel van het onderzoek

We hypothesize that training inhibitory skills will lead to more succes of a lifestyle based treatment of obesity in children.

Onderzoeksopzet

1. TO;

2. T1 (T0+4weeks);

3. T2(T0+3months);

4. T3(T0+6months).

Onderzoeksproduct en/of interventie

Training of inhibitory skills through 4-week internet based computerized cognitive training.

Participants in the intervention group train their cognitive inhibition skills five days per week for four weeks. We use a 20-minute computerized task that participants can do via the internet. The training can thus be done at home. In the computer task the participant should press the left or right button as quickly as possible when a certain stimulus is presented. The stimuli are neutral and child friendly (pictures of the Smurfs, Cars, Shrek, etc.). In 75% of the trials this is the only task. In 25% of the cases a stop sign appears in the location where the stimulus is, indicating that participant should try not to react to the stimulus. Initially the task is quite easy, but it gradually becomes more difficult (the time interval between the presentation of the stimulus and the presentation of the stop sign becomes longer). Participants in the waiting list control group only participate in the pre- and post

measurements. If the training turned out to be effective for the intervention group, they are offered to do the training after the study has ended. This is optional, and is not part of the trial. No measurements are taken.

Contactpersonen

Publiek

Postbus 616
Ramona Guerrieri
Maastricht 6200 MD
The Netherlands
+31 (0)43 3884049

Wetenschappelijk

Postbus 616
Ramona Guerrieri
Maastricht 6200 MD
The Netherlands
+31 (0)43 3884049

Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

8-18 years old and in treatment for obesity in Maastricht University Medical Center.

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

1. Inadequate Dutch language skills;

2. No at home access to internet.

Onderzoeksopzet

Opzet

Type:	Interventie onderzoek
Onderzoeksmodel:	Parallel
Toewijzing:	N.v.t. / één studie arm
Blindering:	Open / niet geblindeerd
Controle:	Geneesmiddel

Deelname

Nederland

Status:	Werving nog niet gestart
(Verwachte) startdatum:	01-05-2012
Aantal proefpersonen:	56
Type:	Verwachte startdatum

Ethische beoordeling

Niet van toepassing

Soort:	Niet van toepassing

Registraties

Opgevolgd door onderstaande (mogelijk meer actuele) registratie

Geen registraties gevonden.

Andere (mogelijk minder actuele) registraties in dit register

Geen registraties gevonden.

In overige registers

Register	ID
NTR-new	NL3236
NTR-old	NTR3388
CCMO	NL38674.068.11
ISRCTN	ISRCTN wordt niet meer aangevraagd.

Resultaten

Samenvatting resultaten
N/A