Thermoregulatory behavior.

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The intention to change behavior is related to changes in multiple physiological variables. Thermal comfort and thermal sensation are related to these physiological parameters. Furthermore, the intention of behavior is related to changes in thermal...

Ethische beoordeling	Positief advies
Status	Werving gestopt
Type aandoening	-
Onderzoekstype	Interventie onderzoek

Samenvatting

ID

NL-OMON20014

Bron
NTR

Aandoening

Thermal behavior, thermal comfort, thermal sensation, physiology

Ondersteuning

Primaire sponsor: Maastricht University Medical Center (MUMC+)
Overige ondersteuning: Agentschap NL

Onderzoeksproduct en/of interventie

Uitkomstmaten

Primaire uitkomstmaten

1. The intention of thermoregulatory behavior, using a questionnaire;
2. Energy expenditure, as measured using indirect calorimetry in a climate controlled respiration chamber.

Toelichting onderzoek

Achtergrond van het onderzoek

The volunteers will be measured at home and in an experimental setting where they will be exposed to heat and cold during three different trails. This will be done in order to study the effect of physiological parameters on thermoregulatory behavior, and on thermal comfort and sensation.

Doel van het onderzoek

The intention to change behavior is related to changes in multiple physiological variables. Thermal comfort and thermal sensation are related to these physiological parameters. Furthermore, the intention of behavior is related to changes in thermal comfort and thermal sensation.

Onderzoeksopzet

Participants will be instructed for a 24-hour measurement at home (1 hour) and will visit the research facility three times for 3.5 hour.

Onderzoeksproduct en/of interventie

Cold and heat exposure during three trials:

1. Protocol A is composed of a neutral-to-warm transition in ambient temperature (24°C to 32°C, with 4 K/h);

2. Protocol B is composed of a neutral-to-cold transition in ambient temperature (24°C to 16°C, with 4 K/h);

3. During protocol C ambient temperature will be varied between three fixed temperatures (16°C, 24°C and 32°C).

Contactpersonen

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Wetenschappelijk

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Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

1. Caucasian healthy females on oral contraceptive;

2. Age: 18 to 30 years;

3. BMI: 20-25;

4. Fat percentage: 20-30%.

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

1. Regular medication use;

2. Pregnancy;

3. Hypertension (systolic/diastolic blood pressure >140/90);

4. Hypotension (systolic/diastolic blood pressure <90/60);

5. General feeling of illness at day of experiment;

6. (History of) cardiovascular diseases;

7. In the presence of any known or suspected obstructive disease of the gastrointestinal tract, including but not
limited to diverticulitis and inflammatory bowel disease;

8. A history of disorders or impairement of the gag reflex;

9. Previous gastrointestinal surgery;

10. Hypo motility disorders of the gastrointestinal tract including but not limited to Illeus.

Onderzoeksopzet

Opzet

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

Deelname

Nederland

Status:	Werving gestopt
(Verwachte) startdatum:	01-05-2012
Aantal proefpersonen:	16
Type:	Werkelijke startdatum

Ethische beoordeling

Positief advies

Datum:	12-07-2012
Soort:	Eerste indiening

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	NL3376
NTR-old	NTR3524
Ander register	METC / CCMO : 11-3-065 / NL38216.068.11;
ISRCTN	ISRCTN wordt niet meer aangevraagd.

Resultaten

Samenvatting resultaten
N/A