

Perception of electromagnetic fields (EMF) - pre-test of an exposure set-up

Gepubliceerd: 10-01-2014 Laatste bijgewerkt: 15-05-2024

The exposure set-up is able to achieve truly double-blind exposure conditions. The objective is to assess if people can tell if the exposure unit is on or off. The testing of our exposure unit aims at identifying and eliminating any potential...

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

Samenvatting

ID

NL-OMON22402

Bron

Nationaal Trial Register

Aandoening

Healthy volunteers.

Ondersteuning

Primaire sponsor: IRAS

Overige ondersteuning: ZonMW

Onderzoeksproduct en/of interventie

Uitkomstmaten

Primaire uitkomstmaten

The primary outcome will be the percentage of correct guesses of the exposure conditions per exposure unit.

Toelichting onderzoek

Achtergrond van het onderzoek

For usage in provocation experiments, two custom-made mobile exposure units were developed, which can generate extremely-low frequency magnetic fields and radio-frequency electromagnetic fields. Field types and strengths are as encountered in everyday life (e.g. from a WiFi). The units can produce repeated sham/true exposure conditions in random order selected by a computerized randomization scheme in order to achieve double blinding.

In this trial we test whether the units can indeed achieve double-blinded exposure conditions, meaning that there are no unwanted clues from which a person can tell when exposure is on, such as sounds or vibrations. 25 healthy volunteers per unit are exposed to short repeated sham and true exposures and are asked when they thought exposure was on and why they thought so. The primary outcome is the percentage of correct answers.

Doel van het onderzoek

The exposure set-up is able to achieve truly double-blind exposure conditions. The objective is to assess if people can tell if the exposure unit is on or off. The testing of our exposure unit aims at identifying and eliminating any potential unwanted clues as to the exposure conditions.

Onderzoeksopzet

Directly before and after testing.

Onderzoeksproduct en/of interventie

For each one of five different exposure types (electromagnetic field signals), volunteers will undergo a series of 10 randomized exposure conditions with 5 times sham and 5 times true exposure. Exposure duration will be 30 seconds, with a very short break between exposure sessions. Volunteers will be asked to indicate whether they thought the exposure was on or off.

Contactpersonen

Publiek

Universiteit Utrecht, Institute for Risk Assessment Sciences (IRAS), Environmental and Occupational Health

Postbus 80178
A. Huss
Utrecht 3508 TD
The Netherlands
030 - 253 84 61

Wetenschappelijk

Universiteit Utrecht, Institute for Risk
Assessment Sciences (IRAS), Environmental
and Occupational Health

Postbus 80178
A. Huss
Utrecht 3508 TD
The Netherlands
030 - 253 84 61

Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

Adult healthy volunteers (between 18 – 65 years old) will be included.

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

For the exposure pre-testing the following exclusion criteria apply so as to ensure that they could pick

up potential clues as to the exposure conditions:

- hearing aids
- being deaf or blind or having obvious serious uncorrected hearing or vision problems.

Onderzoeksopzet

Opzet

Type: Interventie onderzoek

3 - Perception of electromagnetic fields (EMF) - pre-test of an exposure set-up 23-06-2025

Onderzoeksmodel:	Cross-over
Toewijzing:	N.v.t. / één studie arm
Blindering:	Dubbelblind
Controle:	N.v.t. / onbekend

Deelname

Nederland	
Status:	Werving gestart
(Verwachte) startdatum:	13-01-2014
Aantal proefpersonen:	50
Type:	Verwachte startdatum

Ethische beoordeling

Positief advies	
Datum:	10-01-2014
Soort:	Eerste indiening

Registraties

Opgevolgd door onderstaande (mogelijk meer actuele) registratie

ID: 38671
Bron: ToetsingOnline
Titel:

Andere (mogelijk minder actuele) registraties in dit register

Geen registraties gevonden.

In overige registers

Register	ID
NTR-new	NL4258
NTR-old	NTR4394
CCMO	NL45809.041.13
OMON	NL-OMON38671

Resultaten