

Gastric and neural correlates of bloating

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Beer induces more bloating than carbonated soft drinks and this effect is more prominent in women compared to men as measured from the stomach and in regional brain activation.

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

Samenvatting

ID

NL-OMON23012

Bron

Nationaal Trial Register

Verkorte titel

BLOB

Aandoening

Bloating, dyspepsia

Opgeblazen gevoel, dyspepsia, maagklachten

Ondersteuning

Primaire sponsor: Wageningen UR (University & Research centre)

Overige ondersteuning: Wageningen UR, Heineken BV.

Onderzoeksproduct en/of interventie

Uitkomstmaten

Primaire uitkomstmaten

- 1) Gastric measures (MRI): Gastric volume, air and liquid gastric compartments.

- 2) Subjective ratings of fullness and bloating.

- 3) Changes in regional brain activity

Toelichting onderzoek

Doel van het onderzoek

Beer induces more bloating than carbonated soft drinks and this effect is more prominent in women compared to men as measured from the stomach and in regional brain activation.

Onderzoeksopzet

Two study days.

Onderzoeksproduct en/of interventie

Consumption of 500 mL beer or carbonated soft drink.

Contactpersonen

Publiek

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Wetenschappelijk

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Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

- Age: 18-40 years
- BMI: 18.5 – 25.0 kg/m²
- Healthy (as judged by the participant)
- On average consuming more than 1 unit of beer per month but less than 13 units per week.
- On average consuming more than 1 unit of soft drink per month but less than 13 units per week.
- Willing to be informed about incidental findings of pathology and approving of reporting this to their general physician.

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

- Drug use or medical conditions which may interfere with normal functioning of the digestive tract.
- Drug use or medical conditions which may interfere with normal functioning of the circulatory system
- Drug use or medical conditions which may lead to unreliable fMRI results (including, but not limited to neurological conditions)
- Reported unexplained weight loss or weight gain of > 5 kg in the month prior to pre-study screening
- For women: having the intention to become pregnant, pregnancy during the last 6 months or lactating
- Smoking on average more than one cigarette/cigar a day
- Having a contra-indication to MRI scanning including, but not limited to, metal in the body and claustrofobia

Onderzoeksopzet

Opzet

Type:	Interventie onderzoek
Onderzoeksmodel:	Cross-over
Toewijzing:	Gerandomiseerd
Blinding:	Open / niet geblindeerd
Controle:	Placebo

Deelname

Nederland	
Status:	Werving gestart
(Verwachte) startdatum:	15-10-2015
Aantal proefpersonen:	30
Type:	Verwachte startdatum

Ethische beoordeling

Positief advies	
Datum:	01-10-2015
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	NL5309
NTR-old	NTR5418
Ander register	NL54050.081.15 : CCMO

Resultaten