Real life gastric content and subjective estimates

Published: 15-11-2018
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To establish the relation between subjective fullness and gastric content volume after normal daily eating behavior.

Ethical review	Approved WMO
Status	Recruitment stopped
Health condition type	Other condition
Study type	Observational non invasive

Summary

ID

NL-OMON46214

Source
ToetsingOnline

Brief title
HULK

Condition

- Other condition

Synonym
intercoceptive awareness of gastric content

Health condition

normale fysiologie

Research involving
Human

Sponsors and support

Primary sponsor: Wageningen Universiteit
Source(s) of monetary or material Support: Europese Unie

Intervention

Keyword: Gastric content, MRI, Subjective fullness

Outcome measures

Primary outcome

Manually delineated MRI images yielding gastric content in mL

Estimated gastric content by the participant in mL

Secondary outcome

Interopceptive awareness questionnaire score

Last meals ingested

Study description

Background summary

One of the approaches in treating the obesity epidemic is lowering energy intake by increasing satiation and the satiating value of foods. Many studies investigated gastric content over time in relation to subjective perception of fullness and appetite. However, these studies are usually designed using strictly controlled intake paradigms. In order to have a realistic reference for future work, it is important have insight in how well subjective perception of gastric content correlates with actual gastric content under normal living conditions.

Study objective

To establish the relation between subjective fullness and gastric content volume after normal daily eating behavior.

Study design

Cross sectional study

Intervention

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Study burden and risks

The risks are negligible and the burden minimal: participants are allowed to carry out their life as normal, and come to the facility for one short visit, during which they fill out a questionnaire, undergo an abdominal MRI scan which takes only a couple of minutes and rate their satiety, fullness and appetite.

Contacts

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Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age
Adults (18-64 years)
Elderly (65 years and older)

Inclusion criteria

Self-reported to be in good health
Aged between 18 and 65 years during the session
willing to receive information about incidental findings of pathology

having a general practicioner

Exclusion criteria

Contraindications to undergoing an MRI (see F1)
Using any medication which may influence results
Having underwent surgery of the digestive tract

Study design

Design

Study type: Observational non invasive

Masking:	Open (masking not used)
Control:	Uncontrolled
Primary purpose:	Other

Recruitment

NL

Recruitment status:	Recruitment stopped
Start date (anticipated):	03-01-2019
Enrollment:	84
Type:	Actual

Ethics review

Approved WMO

Date:	15-11-2018
Application type:	First submission
Review commission:	METC Wageningen Universiteit (Wageningen)

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
CCMO	NL67546.081.18
Other	nog geen nummer toegewezen