Effect of dietary proteins on secretion of satiety hormones in human duodenum tissue ex vivo

Published: 28-11-2006 Last updated: 09-05-2024

In this study we will be looking at specific proteins and their effects on the secretion of satiety hormones in the small intestine

Ethical review	Approved WMO
Status	Recruiting
Health condition type	Appetite and general nutritional disorders
Study type	Observational invasive

Summary

ID

NL-OMON30283

Source ToetsingOnline

Brief title

Condition

• Appetite and general nutritional disorders

Synonym Food intake, Obesitas

Research involving Human

Sponsors and support

Primary sponsor: Universiteit Maastricht **Source(s) of monetary or material Support:** ZonMw via UM

Intervention

Keyword: Duodenum, Ex vivo, Horomones, Satiety

Outcome measures

Primary outcome

We will be looking at the secreted satiety hormones by the biops. We will be

looking at CCK, GLP-1, and PYY

Secondary outcome

Study description

Background summary

Food in the small intestine stimulates intestinal cells to secrete satiety hormones. These satiety hormones regulate the feeling of hunger and food intake. Little is known about specific proteins that regulate the secretion of satiety hormones in the small intestine.

Study objective

In this study we will be looking at specific proteins and their effects on the secretion of satiety hormones in the small intestine

Study design

Biops are taken from 30 healthy subjects. The tissue is than kept alive for approximately 4 hours. The tissue is exposed to specific proteins and presence of satiety hormones in the medium are measured

Study burden and risks

Healthy subject will experience no pain from this test, and no permanent damage is caused. There is a minimal chance that bowel perforation may occur. A standard letter for the general practitioner is made, stating that the test subject underwent a duodenoscopy. When complications occur, the general practitioner is informed by letter and by phone

Contacts

Public Universiteit Maastricht

P.O. Box 616 6200 MD Maastricht NL **Scientific** Universiteit Maastricht

P.O. Box 616 6200 MD Maastricht NL

Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age

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

Inclusion criteria

Healthy, non-smoking men and women, who are not using medication (including contraceptive pill) 4 weeks prior to the test

Exclusion criteria

Intestinal Illness Obesitas Pregnancy

Study design

Design

Study type: Observational invasive		
Masking:	Open (masking not used)	
Control:	Uncontrolled	
Primary purpose:	Other	

Recruitment

NL	
Recruitment status:	Recruiting
Start date (anticipated):	01-11-2007
Enrollment:	30
Туре:	Actual

Medical products/devices used

- · · · ·	
Registration:	No

Ethics review

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Approved WMO	
Date:	28-11-2006
Application type:	First submission
Review commission:	METC academisch ziekenhuis Maastricht/Universiteit Maastricht, METC azM/UM (Maastricht)

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

ССМО

ID NL14302.068.06