

# Effects of weight loss on stimulated lipolysis.

No registrations found.

<b>Ethical review</b>	Positive opinion
<b>Status</b>	Pending
<b>Health condition type</b>	-
<b>Study type</b>	Interventional

## Summary

### ID

NL-OMON24842

### Source

NTR

### Brief title

Beta2LIPWL

### Health condition

Obesity, beta2-adrenergic sensitivity, lipolysis  
Obesitas, beta2-adrenerge gevoeligheid, lipolyse

## Sponsors and support

**Primary sponsor:** Maastricht University

**Source(s) of monetary or material Support:** Not applicable

## Intervention

## Outcome measures

### Primary outcome

Changes in sensitivity to  $\beta$ 2-AR-stimulated lipolysis in adipocytes isolated from subcutaneous adipose tissue biopsies.

### Secondary outcome

1. Changes in markers of adipose tissue hypoxia;
2. Changes in markers of adipose tissue and systemic oxidative stress.

## Study description

### Background summary

This study investigates the effects of weight loss on beta2-adrenergic stimulated lipolysis in isolated adipocytes. In addition the effects of weight loss on adipose tissue hypoxia and adipose tissue and systemic oxidative stress will be determined.

### Study objective

Moderate weight loss increases sensitivity to  $\beta$ 2-AR-stimulated lipolysis in isolated adipocytes from subcutaneous adipose tissue biopsies.

### Study design

1. Premeasurements will be done before the start of the CO-EUR programme;
2. Postmeasurements will be done after 9 months of participation in the CO-EUR programme. Postmeasurements will be done in every subject, who is still participating in the Co-Eur programme after 9 months, regardless of the amount of weight lost or gained in those 9 months.

### Intervention

Subjects follow the standard weight loss programme in Heerlen (NL) provided by CO-EUR without interference by the researchers.

CO-EUR is an obesity treatment centre which uses an 18-month-lasting programme with a multi-disciplinary approach, including diet, physical activity and behaviour change, to treat people with obesity.

## Contacts

### Public

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## Eligibility criteria

### Inclusion criteria

1. All subjects entering the Co-Eur programme;
2. Age > 18 years old;
3. No more than 3 kg weight change in the past 3 months.

### Exclusion criteria

1. Smoking;
2. Diabetes;
3. (Medicinal) use of  $\beta$ -blockers or  $\beta$ -agonists;
4. Pregnant women;
5. Blood clotting problems or (medicinal) use of anticoagulantia.

## Study design

### Design

Study type: Interventional

Intervention model:	Parallel
Allocation:	Non controlled trial
Masking:	Open (masking not used)
Control:	N/A , unknown

## Recruitment

NL	
Recruitment status:	Pending
Start date (anticipated):	01-07-2011
Enrollment:	37
Type:	Anticipated

## Ethics review

Positive opinion	
Date:	10-08-2011
Application type:	First submission

## 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
NTR-new	NL2874
NTR-old	NTR3019
Other	METC : 11-3-019
ISRCTN	ISRCTN wordt niet meer aangevraagd.

# Study results

## Summary results

N/A