

# Effects of brain stimulation on metabolism.

No registrations found.

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

## Summary

### ID

NL-OMON27728

### Source

Nationaal Trial Register

### Brief title

DBS PD

### Health condition

Parkinson's disease, glucose and lipid metabolism disorders

## Sponsors and support

**Primary sponsor:** J.J.P. Kastelein

**Source(s) of monetary or material Support:** Initiator funded

## Intervention

## Outcome measures

### Primary outcome

Glucose metabolism and lipid metabolism.

### Secondary outcome

Hormones.

## Study description

### Background summary

Bilateral subthalamic nucleus deep brain stimulation gives rise to local changes in the brain with a subsequent effect on hepatic triglyceride secretion and endogenous glucose production. By turning the stimulator on and off, insight will be given in the effect on the metabolism.

### Study objective

Bilateral subthalamic nucleus deep brain stimulation gives rise to local changes in the brain with a subsequent effect on hepatic triglyceride secretion and endogenous glucose production.

### Study design

Start 1-1-2009.

### Intervention

2 study days which take 8 hours each. Blood withdrawal every hour during 8 hours and within those hours we also perform a hyperinsulinemic euglycemic clamp.

## Contacts

### Public

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### Scientific

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## Eligibility criteria

## Inclusion criteria

Patients with parkinsons disease with bilateral subthalamic nucleus deep brain stimulation.

## Exclusion criteria

1. Below 18;
2. Psychiatric disorders;
3. Dyslipidemia;
4. Diabetes.

## Study design

### Design

Study type:	Interventional
Intervention model:	Crossover
Allocation:	Non controlled trial
Masking:	Double blinded (masking used)
Control:	N/A , unknown

### Recruitment

NL	
Recruitment status:	Recruiting
Start date (anticipated):	01-01-2009
Enrollment:	10
Type:	Anticipated

## Ethics review

Positive opinion	
Date:	09-04-2009

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

<b>Register</b>	<b>ID</b>
NTR-new	NL1657
NTR-old	NTR1754
Other	AMC : METC 08/278
ISRCTN	ISRCTN wordt niet meer aangevraagd

## Study results

### Summary results

N/A