

# Testosterone, aging and cognitive functioning.

No registrations found.

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

## Summary

### ID

NL-OMON28384

### Source

NTR

### Brief title

OLDER

### Health condition

BPH or fertility problems

## Sponsors and support

**Primary sponsor:** None

**Source(s) of monetary or material Support:** None

## Intervention

## Outcome measures

### Primary outcome

We expect a correlation between serum level testosterone and basic cognitive functions such as cognitive speed and cognitive control.

### Secondary outcome

The relative contributions of age and testosterone level to cognitive functions will be established.

## Study description

### Background summary

Recent research showed a correlation between age related changes in hormone levels and cognitive decline and the emergence of Alzheimer disease in both men and women.

Most research however is conducted in women.

The aim of this study is to further investigate the relation between testosterone level and cognitive functioning in older men. In order to determine testosterone level, total-, SHBG- and albumin bound and bioavailable testosterone will be measured.

Three cognitive computer tests are aimed to measure basal information processing speed, ability to suppress irrelevant stimuli and visuospatial perception, respectively.

Two out-patient groups will be included:

1. BPH-patients in the age of 55-75, and
2. patients with fertility symptoms in the age of 20-45 years.

### Study objective

Serum testosterone levels in men will be related to basic cognitive functions, such as mental processing speed and cognitive control.

### Study design

N/A

### Intervention

Computer tests.

## Contacts

### Public

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### **Scientific**

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## **Eligibility criteria**

### **Inclusion criteria**

1. Age between 55 and 75 or age between 20 and 45;
2. Urological complaints suspected to be BPH or fertility symptoms;
3. Subjective healthy impression.

### **Exclusion criteria**

N/A

## **Study design**

### **Design**

Study type:	Interventional
Intervention model:	Other
Masking:	Open (masking not used)
Control:	N/A , unknown

### **Recruitment**

NL  
Recruitment status: Recruitment stopped

Start date (anticipated): 21-03-2005  
Enrollment: 200  
Type: Actual

## Ethics review

Positive opinion  
Date: 13-09-2005  
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	NL365
NTR-old	NTR404
Other	: A300413
ISRCTN	ISRCTN42645787

## Study results

### Summary results

N/A