

# Atherosclerosis as a Coincidental Finding on CT-scans of the Abdomen

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Calculating the incidence of atherosclerosis in patients undergoing a CT-scan of the abdomen for other reasons. Calculating incidence of untreated risk factors for CVD in patients with atherosclerosis on the CT-scan.

<b>Ethical review</b>	Approved WMO
<b>Status</b>	Recruiting
<b>Health condition type</b>	Coronary artery disorders
<b>Study type</b>	Observational invasive

## Summary

### ID

NL-OMON32925

### Source

ToetsingOnline

### Brief title

ATCAT-trial

## Condition

- Coronary artery disorders
- Arteriosclerosis, stenosis, vascular insufficiency and necrosis

### Synonym

Atherosclerosis, vascular calcification

### Research involving

Human

## Sponsors and support

**Primary sponsor:** Alysis Zorggroep

**Source(s) of monetary or material Support:** Elizabeth stichting te Arnhem

## Intervention

**Keyword:** Abdomen, Atherosclerosis, Cardiovascular Disease, Computed Tomography

## Outcome measures

### Primary outcome

Incidence of atherosclerosis in patients undergoing a CT-scan of the abdomen for other reasons.

Incidence of untreated risk factors in patients with atherosclerosis on the CT-scan of the abdomen.

### Secondary outcome

Incidence of CVD in patients with and without atherosclerosis on CT-scan of the abdomen.

Relating the number of risk factors to the severity of atherosclerosis on the CT-scan of the abdomen.

## Study description

### Background summary

Cardiovascular diseases (CVD) are the most important cause of death in the Netherlands and cause a significant deterioration in quality of life. CVD starts with atherosclerosis of the arteries. CT-scans of the abdomen can show signs of atherosclerosis. In current literature few studies can be found that compare atherosclerosis as a coincidental finding with risk factors for CVD. Treatment of these risk factors reduces the incidence of CVD significantly.

### Study objective

Calculating the incidence of atherosclerosis in patients undergoing a CT-scan of the abdomen for other reasons. Calculating incidence of untreated risk factors for CVD in patients with atherosclerosis on the CT-scan.

## Study design

Patients are selected by using the criteria stated below. After inclusion and informed consent the patient will be invited to visit the out-patient clinic of the Vascular Diseases department. With an interview, a physical examination and blood analysis a risk profile for CVD will be made. In a second visit these findings will be shared with the patients.

## Study burden and risks

The burden of taking part in this trial consists of visiting the out-patient clinic of the Vascular Diseases department twice, undergoing venapunction for blood analysis and collecting a urine sample.

## Contacts

### Public

Alysis Zorggroep

Wagnerlaan 55  
6815 AD Arnhem  
Nederland

### Scientific

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## Trial sites

### Listed location countries

Netherlands

## Eligibility criteria

### Age

Adults (18-64 years)

Elderly (65 years and older)

## Inclusion criteria

Age 18-65 years old

Patient has had a CT-scan of the abdomen in the Rijnstate Hospital Arnhem

Patient has given informed consent

Patient has got signs of atherosclerosis on the CT-scan of the abdomen

## Exclusion criteria

Indication for making the CT-scan was atherosclerosis or an aneurysm of the large abdominal arteries

Patient has a condition which makes him unable to give informed consent without help of a representative

Patient has a life expectancy shorter than 5 years

## Study design

### Design

**Study type:** Observational invasive

Masking: Open (masking not used)

Control: Uncontrolled

Primary purpose: Diagnostic

### Recruitment

NL

Recruitment status: Recruiting

Start date (anticipated): 15-02-2011

Enrollment: 250

Type: Actual

## Ethics review

Approved WMO

Date: 22-03-2010

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
CCMO	NL27362.091.09