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.

Ethical review	Approved WMO
Status	Recruiting
Health condition type	Coronary artery disorders
Study type	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

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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

Review commission: CMO regio Arnhem-Nijmegen (Nijmegen)

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