# Validation of stent boosting versus intravascular ultrasound for assessing optimum deployment of coronary stents

Published: 05-11-2007 Last updated: 20-06-2024

Validation of stent boosting technique for optimum stent deployment compared to intravascular ultrasound (IVUS).

Ethical review	Approved WMO
Status	Recruitment stopped
Health condition type	Coronary artery disorders
Study type	Observational invasive

## Summary

#### ID

NL-OMON31367

**Source** ToetsingOnline

Brief title Stent boosting versus IVUS

### Condition

• Coronary artery disorders

Synonym Insufficient stent deployment

**Research involving** Human

### **Sponsors and support**

Primary sponsor: Catharina-ziekenhuis Source(s) of monetary or material Support: Medtronic ,Medtronic B.V.

#### Intervention

**Keyword:** coronary stents, Intravascular ultrasound, optimum deployment, Stent boosting, stent thrombosis

#### **Outcome measures**

#### **Primary outcome**

Optimum stent deployment according to the established criteria as described in

the appendix of the protocol.

#### Secondary outcome

Not applicable.

## **Study description**

#### **Background summary**

Validation of stent boosting versus intravascular ultrasound for assessing optimum deployment of coronary stents.

#### Study objective

Validation of stent boosting technique for optimum stent deployment compared to intravascular ultrasound (IVUS).

#### Study design

In 2 groups of 30 patients, stent deployment will be investigated by both techniques.

One group consists of these patients in whom stent boosting indicates optimum deployment; the other group in whom it indicates suboptimal deployment.

#### Study burden and risks

In patients in whom stent implantation needs to be performed anyway, the IVUS catheter will be introduced over the existing wire. This will prolong the procedure with 15 minutes and the associated risk is very low compared to the procedure of stent implantation in itself.

## Contacts

**Public** Catharina-ziekenhuis

Michelangelolaan 2 5623 EJ Eindhoven Nederland **Scientific** Catharina-ziekenhuis

Michelangelolaan 2 5623 EJ Eindhoven Nederland

## **Trial sites**

### **Listed location countries**

Netherlands

## **Eligibility criteria**

#### Age

Adults (18-64 years) Elderly (65 years and older)

#### **Inclusion criteria**

Patients undergoing stent implantation.

### **Exclusion criteria**

Any unstable condition. Small or toruous coronary arteries.

## Study design

### Design

Study type: Observational invasive	
Masking:	Open (masking not used)
Control:	Uncontrolled
Primary purpose:	Diagnostic

### Recruitment

NL	
Recruitment status:	Recruitment stopped
Start date (anticipated):	01-11-2007
Enrollment:	60
Туре:	Actual

## **Ethics review**

Approved WMO	
Date:	05-11-2007
Application type:	First submission
Review commission:	MEC-U: Medical Research Ethics Committees United (Nieuwegein)

## **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

ССМО

**ID** NL19145.060.07