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# Next-day discharge after primary percutaneous Coronary Intervention PCI

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|---|---|---|
| **Submission date**<br>26/11/2014 | **Recruitment status**<br>No longer recruiting | [_] Prospectively registered<br>[_] Protocol<br>[_] Statistical analysis plan<br>[_] Results<br>[_] Individual participant data<br>[_] Record updated in last year |
| **Registration date**<br>04/12/2014 | **Overall study status**<br>Completed | |
| **Last Edited**<br>05/03/2019 | **Condition category**<br>Circulatory System | |

**Plain English summary of protocol**
Background and study aims
According to the present guidelines, low risk patients who undergo primary percutaneous coronary intervention (PPCI) for acute myocardial infarction (AMI), could be discharged safely 3 days after admission. In this study, we investigated the safety and feasibility of next-day hospital discharge in patients treated with PPCI.

Who can participate?
Low risk PPCI patients.

What does the study involve?
Patients discharged within 36 hours after admission.

What are the possible benefits and risks of participating?
Not provided at time of registration

Where is the study run from?
Isala Hospital, Zwolle, Netherlands

When is the study starting and how long is it expected to run for?
July 2008 to July 2013

Who is funding the study?
Isala Hospital, Zwolle, Netherlands

Who is the main contact?
Arnoud van't Hof
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## Contact information

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Scientific

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# Additional identifiers

**Protocol serial number**
Diagr. 9196

# Study information

**Scientific Title**
Safety and Feasibility of Next-Day Discharge after Primary Percutaneous Coronary Intervention for Acute Myocardial Infarction

**Acronym**
Short Stay

**Study objectives**
Very early discharge (e.g. within one day) in ST segment elevation myocardial infarction (STEMI) patients undergoing uncomplicated primary PCI, and with low risk based on a validated risk score, is safe and feasible

**Ethics approval required**
Old ethics approval format

### Ethics approval(s)
Under the Dutch Law for medical scientific research in humans (Wet Medisch-wetenschappelijk Onderzoek met mensen WMO)no ethics approval was needed. There was no submission to an ethics committee.

### Primary study design
Observational

### Study design
Prospective single centre safety and feasibility study

### Study type(s)
Other

### Health condition(s) or problem(s) studied
Primary Percutaneous Coronary Intervention for Acute Myocardial Infarction

### Interventions
Patients were discharged within 36 hours after admission and controlled by specialized nurses in the outpatient clinic at the third and fourth day after PPCI.

### Intervention Type
Procedure/Surgery

### Primary outcome(s)
1. Occurrence of major adverse cardiac event, defined as death, re-myocardial infarction, urgent target vessel revascularisation and myocardial infarction related (potentially)
2. Life threatening arrhythmias, as defined as ventricular tachycardia and complete atrioventricular block

### Key secondary outcome(s)
1. Re-admission rates
2. Number of visits to emergency ward of any cause at 30 day follow-up and 1 year follow-up

### Completion date
01/07/2013

## Eligibility

### Key inclusion criteria
1. Patients with ST-elevated myocardial infarction, successfully treated with PPCI
2. Procedural was defined as an uncomplicated procedure resulting in restoration of flow with a sufficient myocardial blush in the area of the infarction related vessel
3. Procedure was performed via the femoral artery (Seldinger technique)
4. Patient with a Zwolle risk Score ≤ 3
5. Patient that is, after discharge, able to reach the hospital within 30 minutes
6. Patient that gives written informed consent

### Participant type(s)
Patient

**Healthy volunteers allowed**
No

**Age group**
Adult

**Sex**
All

**Key exclusion criteria**
1. Patients with untreated significant coronary artery stenosis
2. Patients <18 years old, or unable to co-operate with the study
3. Patients living >30 km from the PCI center

**Date of first enrolment**
01/07/2008

**Date of final enrolment**
01/07/2013

# Locations

**Countries of recruitment**
Netherlands

**Study participating centre**
**Isala**
Dr. v. Heesweg 2
Zwolle
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8025 AB

# Sponsor information

**Organisation**
Maatschap Cardiologie, Isala Hospital

**ROR**
https://ror.org/046a2wj10

# Funder(s)

**Funder type**

Hospital/treatment centre

**Funder Name**
Maatschap cardiologie Isala Hospital

# Results and Publications

## Individual participant data (IPD) sharing plan

**IPD sharing plan summary**
Available on request