

# Deriving a reduced lead system from the 80-lead body surface map for the electrocardiographic determination of acute myocardial infarction

<b>Submission date</b> 23/08/2007	<b>Recruitment status</b> No longer recruiting	<input type="checkbox"/> Prospectively registered
<b>Registration date</b> 30/05/2008	<b>Overall study status</b> Completed	<input type="checkbox"/> Protocol
<b>Last Edited</b> 27/03/2012	<b>Condition category</b> Circulatory System	<input type="checkbox"/> Statistical analysis plan
		<input checked="" type="checkbox"/> Results
		<input type="checkbox"/> Individual participant data

## Plain English summary of protocol

Not provided at time of registration

## Contact information

### Type(s)

Scientific

### Contact name

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### Contact details

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## Additional identifiers

EudraCT/CTIS number

IRAS number

ClinicalTrials.gov number

## Secondary identifying numbers

RGHT000406

# Study information

## Scientific Title

## Study objectives

The aims of the study are to determine the optimal electrocardiographic lead number and positions for the accurate detection of acute Myocardial Infarction (MI).

## Ethics approval required

Old ethics approval format

## Ethics approval(s)

Office for Research Ethics Committees in Northern Ireland (ORECNI). Date of approval: 15/05/2007 (ref: 07/NIR01/33)

## Study design

Non-randomised controlled trial.

## Primary study design

Interventional

## Secondary study design

Non randomised controlled trial

## Study setting(s)

Not specified

## Study type(s)

Diagnostic

## Participant information sheet

Not available in web format, please use the contact details below to request a patient information sheet

## Health condition(s) or problem(s) studied

Acute coronary syndromes

## Interventions

All participants will be assessed by both Reduced Lead Body Surface Map and 12 Lead ECG. All management decisions will be made using the 12 Lead ECG only (as is current practice).

## Intervention Type

Other

## Phase

Not Specified

**Primary outcome measure**

Improved diagnostic yield of Body Surface Map over the 12 lead ECG

**Secondary outcome measures**

No secondary outcome measures

**Overall study start date**

01/08/2006

**Completion date**

01/08/2008

## Eligibility

**Key inclusion criteria**

All patients presenting to the Regional Medical Cardiology Centre, Royal Victoria Hospital, with ischaemic type chest pain >20 minutes duration.

**Participant type(s)**

Patient

**Age group**

Not Specified

**Sex**

Both

**Target number of participants**

400

**Key exclusion criteria**

Patients will be excluded if they have the following prior to the initial 12-lead ECG or reduced lead system application:

1. Pain <20 minutes
2. Receive fibrinolytic therapy
3. Nitrates or glycoprotein inhibitors

**Date of first enrolment**

01/08/2006

**Date of final enrolment**

01/08/2008

## Locations

**Countries of recruitment**

Northern Ireland

United Kingdom

**Study participating centre**  
**Royal Victoria Hospital**  
Belfast  
United Kingdom  
BT12 6BA

## **Sponsor information**

### **Organisation**

The Royal Hospitals (UK)

### **Sponsor details**

c/o Professor I Young  
Royal Research Office  
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### **Sponsor type**

Hospital/treatment centre

### **Website**

<http://www.belfasttrust.hscni.net>

### **ROR**

<https://ror.org/02tdmfk69>

## **Funder(s)**

### **Funder type**

Hospital/treatment centre

### **Funder Name**

The Royal Hospitals (UK)

## **Results and Publications**

**Publication and dissemination plan**  
Not provided at time of registration

**Intention to publish date**

**Individual participant data (IPD) sharing plan**

**IPD sharing plan summary**  
Not provided at time of registration

**Study outputs**

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
<a href="#">Results article</a>	results	01/08/2003		Yes	No