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

Submission date 23/08/2007	**Recruitment status** No longer recruiting	[_] Prospectively registered [_] Protocol [_] Statistical analysis plan [X] Results [_] Individual participant data
Registration date 30/05/2008	**Overall study status** Completed	
Last Edited 27/03/2012	**Condition category** Circulatory System	

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

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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
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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?
Results article	results	01/08/2003		Yes	No