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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

Protocol serial number
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

Study type(s)
Diagnostic

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

Key secondary outcome(s))
No secondary outcome measures

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

Healthy volunteers allowed
No

Age group
Not Specified

Sex
All

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
United Kingdom

Northern Ireland

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

Sponsor information

Organisation
The Royal Hospitals (UK)

ROR
https://ror.org/02tdmfk69

Funder(s)

Funder type
Hospital/treatment centre

Funder Name
The Royal Hospitals (UK)

Results and Publications

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