

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
Registration date 30/05/2008	Overall study status Completed	☐ Statistical analysis plan ☒ Results
Last Edited 27/03/2012	Condition category Circulatory System	☐ Individual participant data

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)

Primary study design

Interventional

Study design

Non-randomised controlled trial.

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