ISRCTN69686930 https://doi.org/10.1186/ISRCTN69686930

Investigation of the effect of GLP-1 and left ventricular function during myocardial ischaemia

Submission date
19/05/2010

Recruitment status
No longer recruiting

Registration date
19/05/2010

Overall study status
Completed

Last Edited
11/08/2015

Condition category
Circulatory System

[_] Prospectively registered
[_] Protocol
[_] Statistical analysis plan
[X] Results
[_] Individual participant data

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

Contact name
Dr Davis Dutka

Contact details
University of Cambridge
Addenbrookes Hospital
Hills Road
Cambridge
United Kingdom
CB2 2QQ

Additional identifiers

Protocol serial number
6562

Study information

Scientific Title
Investigation of the effect of GLP-1 and left ventricular function during myocardial ischaemia

Acronym
GLP-1 and left ventricular function during ischaemia

Study objectives
The hypothesis is that infusion of glucagon-like peptide-1 will protect the heart from ischaemia and improve left ventricular (LV) function during dobutamine stress echocardiography in patients with coronary artery disease

Ethics approval required
Old ethics approval format

Ethics approval(s)
MREC approved, ref: 08/H0304/68

Study design
Single-centre non-randomised interventional treatment trial

Primary study design
Interventional

Study type(s)
Treatment

Health condition(s) or problem(s) studied
Topic: Cardiovascular; Subtopic: Cardiovascular (all Subtopics); Disease: Cardiovascular

Interventions
In the active DSE, patients will receive an infusion of GLP-1 intravenously at 1.2 pmol/kg/min starting 30 minutes prior to the DSE and continuing for 30 minutes into recovery. In the control scan there will be no infusion.

Intervention Type
Drug

Phase
Not Applicable

Drug/device/biological/vaccine name(s)
Glucagon-like peptide-1

Primary outcome(s)
Global LV function at peak stress

Key secondary outcome(s))
1. Global LV function at 30 minutes recovery
2. Regional wall LV function at 30 minutes recovery
3. Regional wall LV function at peak stress

Completion date
30/07/2010

Eligibility

Key inclusion criteria
Not provided at time of registration

Participant type(s)
Patient

Healthy volunteers allowed
No

Age group
Not Specified

Sex
Not Specified

Key exclusion criteria
Not provided at time of registration

Date of first enrolment
17/06/2009

Date of final enrolment
30/07/2010

Locations

Countries of recruitment
United Kingdom

England

Study participating centre
University of Cambridge
Cambridge
United Kingdom
CB2 2QQ

Sponsor information

Organisation
Cambridge University Hospitals NHS Foundation Trust (UK)

ROR

https://ror.org/04v54gj93

Funder(s)

Funder type
Research council

Funder Name
Medical Research Council (MRC) (UK)

Alternative Name(s)
Medical Research Council (United Kingdom), UK Medical Research Council, Medical Research Committee and Advisory Council, MRC

Funding Body Type
Government organisation

Funding Body Subtype
National government

Location
United Kingdom

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	01/03/2012		Yes	No
Results article	results	08/08/2015		Yes	No