

Low or high magnesium concentration in intermittent warm blood cardioplegia in patients undergoing coronary artery surgery: a prospective randomised study

Submission date 23/04/2002	Recruitment status No longer recruiting	☐ Prospectively registered ☐ Protocol
Registration date 23/04/2002	Overall study status Completed	☐ Statistical analysis plan ☒ Results
Last Edited 07/06/2011	Condition category Circulatory System	☐ Individual participant data

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

Contact name
Mr Massimo Caputo

Contact details
Bristol Heart Institute
Bristol Royal Infirmary
Marlborough Street
Bristol
United Kingdom
BS2 8HW
+44 (0)117 9283145
massimocaputo@hotmail.com

Additional identifiers

Protocol serial number
PG/02/044/13713

Study information

Scientific Title

Study objectives

A comparison between two different strategies of myocardial protection.

Ethics approval required

Old ethics approval format

Ethics approval(s)

Not provided at time of registration

Primary study design

Interventional

Study design

Randomised controlled trial

Study type(s)

Treatment

Health condition(s) or problem(s) studied

Ischaemic heart disease

Interventions

Patients will be randomised to:

1. 5 mmol/l Magnesium (Mg²⁺)
2. 16 mmol/l Mg²⁺)

In the intermittent antegrade warm blood cardioplegia

Intervention Type

Drug

Phase

Not Specified

Drug/device/biological/vaccine name(s)

Magnesium

Primary outcome(s)

Not provided at time of registration

Key secondary outcome(s)

Not provided at time of registration

Completion date

01/12/2004

Eligibility

Key inclusion criteria

1. A diagnosis of ischaemic heart disease
2. Undergoing primary myocardial revascularisation with the use of cardiopulmonary bypass and cardioplegic arrest

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

01/12/2001

Date of final enrolment

01/12/2004

Locations**Countries of recruitment**

United Kingdom

England

Study participating centre

Bristol Heart Institute

Bristol

United Kingdom

BS2 8HW

Sponsor information**Organisation**

British Heart Foundation (UK)

ROR

Funder(s)

Funder type

Charity

Funder Name

British Heart Foundation (UK)

Alternative Name(s)

The British Heart Foundation, the_bhf, BHF

Funding Body Type

Private sector organisation

Funding Body Subtype

Trusts, charities, foundations (both public and private)

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	01/09/2011		Yes	No