

Thiopentone and ketamine versus isoflurane and fentanyl to maintain anaesthesia during cardiopulmonary bypass; effect on postoperative neuropsychological function. Neuropsychological Function after Coronary Artery Bypass Graft (CABG)

Submission date 12/09/2003	Recruitment status No longer recruiting	<input type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol <input type="checkbox"/> Statistical analysis plan <input type="checkbox"/> Results <input type="checkbox"/> Individual participant data <input type="checkbox"/> Record updated in last year
Registration date 12/09/2003	Overall study status Completed	
Last Edited 05/12/2014	Condition category Surgery	

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

Contact name
Dr J Murphy

Contact details
Department of Anaesthesia
The Cardiothoracic Centre
Liverpool NHS Trust
Thomas Drive
Liverpool
United Kingdom
L14 3PE
+44 (0)151 228 1616
abc@email.com

Additional identifiers

EudraCT/CTIS number

IRAS number

ClinicalTrials.gov number

Secondary identifying numbers

N0054119938

Study information

Scientific Title

Thiopentone and ketamine versus isoflurane and fentanyl to maintain anaesthesia during cardiopulmonary bypass; effect on postoperative neuropsychological function.
Neuropsychological Function after Coronary Artery Bypass Graft (CABG)

Study objectives

To compare neurophysiological function after maintaining anaesthesia for cardiopulmonary bypass (CPB) with either:

1. Thiopentone and ketamine, or
2. Isoflurane and fentanyl

Ethics approval required

Old ethics approval format

Ethics approval(s)

Not provided at time of registration

Study design

Prospective randomised double-blind study

Primary study design

Interventional

Secondary study design

Randomised controlled trial

Study setting(s)

Hospital

Study type(s)

Treatment

Participant information sheet

Health condition(s) or problem(s) studied

Surgery: Anaesthesia

Interventions

Only the anaesthetist will be aware of which treatment is being given but they will not be involved in gathering the primary outcome data. Patients will undergo standard neuropsychological assessments and neurological examinations before and after surgery.

Thiopentone and ketamine preserve neuropsychological function after CABG when compared to standard technique.

Intervention Type

Drug

Phase

Not Applicable

Drug/device/biological/vaccine name(s)

Thiopentone and ketamine versus isoflurane and fentanyl

Primary outcome measure

Assessment of neurological outcome, mood, personality and quality of life and correlations with any change in neuropsychological function will be made.

Secondary outcome measures

Not provided at time of registration

Overall study start date

18/10/2002

Completion date

01/03/2004

Eligibility

Key inclusion criteria

1. All patients scheduled for elective CABG under the care of two surgical/anaesthetic teams
2. Under 80 years of age
3. Do not have porphyria, severe unstable coronary artery disease (UCAD) or who have hypersensitivity to any of the study drugs or central nervous system (CNS) disease.

Participant type(s)

Patient

Age group

Adult

Sex

Both

Target number of participants

Not provided at time of registration

Key exclusion criteria

Not provided at time of registration

Date of first enrolment

18/10/2002

Date of final enrolment

01/03/2004

Locations

Countries of recruitment

England

United Kingdom

Study participating centre

Liverpool NHS Trust

Liverpool

United Kingdom

L14 3PE

Sponsor information

Organisation

Department of Health (UK)

Sponsor details

Richmond House

79 Whitehall

London

United Kingdom

SW1A 2NL

Sponsor type

Government

Website

<http://www.doh.gov.uk>

Funder(s)

Funder type

Hospital/treatment centre

Funder Name

The Cardiothoracic Centre Liverpool NHS Trust (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