

Grid removals vs. dose and image quality for diagnostic imaging on a Innova 2000 cardiac system.

Submission date 30/09/2005	Recruitment status No longer recruiting	<input type="checkbox"/> Prospectively registered
		<input type="checkbox"/> Protocol
Registration date 30/09/2005	Overall study status Completed	<input type="checkbox"/> Statistical analysis plan
		<input type="checkbox"/> Results
Last Edited 01/07/2010	Condition category Circulatory System	<input type="checkbox"/> Individual participant data
		<input type="checkbox"/> Record updated in last year

Plain English summary of protocol

Not provided at time of registration

Contact information

Type(s)

Scientific

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Additional identifiers

EudraCT/CTIS number

IRAS number

ClinicalTrials.gov number

Secondary identifying numbers

N0050140299

Study information

Scientific Title

Study objectives

Demonstrate a reduction in patient exposure/dose commensurate with no negative impact on diagnosis by removing antiscatter grid.

Ethics approval required

Old ethics approval format

Ethics approval(s)

Not provided at time of registration

Study design

Randomised controlled trial

Primary study design

Interventional

Secondary study design

Randomised controlled trial

Study setting(s)

Hospital

Study type(s)

Diagnostic

Participant information sheet

Health condition(s) or problem(s) studied

Coronary artery disease

Interventions

Patients referred for diagnosis of coronary artery disease and with a Body Mass Index of less than 40 will be randomised into two groups. One group will receive the standard technique with grid, the other group will receive the modified (lower skin dose) technique without the grid. Post diagnosis images acquired will be double blindly reviewed for image quality.

Intervention Type

Other

Phase

Not Applicable

Primary outcome measure

1. Successful diagnosis of disease
2. Lower skin dose to the patient
3. Lower exposure to members of staff monitored during the trial as the employer is required to do by IRR1999 regulation 8(1)

Secondary outcome measures

Not provided at time of registration

Overall study start date

28/01/2004

Completion date

28/07/2004

Eligibility

Key inclusion criteria

1. Patients referred for diagnosis of coronary artery disease by coronary angiography . 100
2. BMI <40

Participant type(s)

Patient

Age group

Adult

Sex

Both

Target number of participants

100 recruited locally

Key exclusion criteria

1. Risk of pregnancy
2. Patients with suspected valve disease
3. BMI \geq 40

Date of first enrolment

28/01/2004

Date of final enrolment

28/07/2004

Locations

Countries of recruitment

England

United Kingdom

Study participating centre
Bradford Cardiology Research Unit
Bradford
United Kingdom
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Sponsor information

Organisation
Department of Health

Sponsor details
Richmond House
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Sponsor type
Government

Website
<http://www.dh.gov.uk/Home/fs/en>

Funder(s)

Funder type
Government

Funder Name
Bradford Teaching Hospitals NHS Foundation 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