

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	☐ Prospectively registered
		☐ Protocol
Registration date 30/09/2005	Overall study status Completed	☐ Statistical analysis plan
		☐ Results
Last Edited 01/07/2010	Condition category Circulatory System	☐ Individual participant data
		☐ Record updated in last year

Plain English summary of protocol

Not provided at time of registration

Contact information

Type(s)

Scientific

Contact name

Dr Henry Lindsay

Contact details

Bradford Cardiology Research Unit
Ward 22
Bradford Royal Infirmary
Duckworth Lane
Bradford
United Kingdom
BD9 6RJ
+44 (0)1274 364 181
Steven.lindsay@bradfordhospitals.nhs.uk

Additional identifiers

Protocol serial number

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

Primary study design

Interventional

Study design

Randomised controlled trial

Study type(s)

Diagnostic

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(s)

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)

Key secondary outcome(s)

Not provided at time of registration

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

Healthy volunteers allowed

No

Age group

Adult

Sex

All

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**

United Kingdom

England

Study participating centre

Bradford Cardiology Research Unit

Bradford

United Kingdom

BD9 6RJ

Sponsor information**Organisation**

Department of Health

Funder(s)

Funder type

Government

Funder Name

Bradford Teaching Hospitals NHS Foundation Trust (UK)

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary

Not provided at time of registration