ISRCTN37477515 https://doi.org/10.1186/ISRCTN37477515

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 [_] Statistical analysis plan [_] Results [_] Individual participant data [_] Record updated in last year
Registration date 30/09/2005	**Overall study status** Completed	
Last Edited 01/07/2010	**Condition category** Circulatory System	

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

Study design
Randomised controlled trial

Primary study design
Interventional

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 ≥ 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