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3D Contrast Enhanced UltraSound in perfusion studies of early renal transplants

Submission date	Recruitment status	[_] Prospectively registered
29/06/2012	No longer recruiting	[_] Protocol
Registration date	**Overall study status**	[_] Statistical analysis plan
29/06/2012	Completed	[X] Results
Last Edited	**Condition category**	[_] Individual participant data
28/02/2018	Urological and Genital Diseases	

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

Contact name
Mr Ben Stenberg

Contact details
Freeman Road
High Heaton
Newcastle upon Tyne
United Kingdom
NE7 7DN
+44 191 2336161 Ext: 26552
ben.stenberg@nuth.nhs.uk

Additional identifiers

Protocol serial number
10201

Study information

Scientific Title
3D Contrast Enhanced UltraSound in perfusion studies of early renal transplants: a non-randomised study

Acronym
3D CEUS

Study objectives
To assess the sensitivity of Three dimensional (3D) contrast enhanced ultrasound (CEUS) of detecting perfusion defects in kidney transplants immediately post-surgery. Also, determine any prognostic value from the haemodynamic factors of the contrast in predicting graft outcome.

More details can be found at http://public.ukcrn.org.uk/search/StudyDetail.aspx?StudyID=10201

Ethics approval required
Old ethics approval format

Ethics approval(s)
Newcastle & North Tyneside 2, 10/02/2011, ref: 11/H0907/1

Study design
Non-randomised; Interventional; Design type: Diagnosis, Not specified

Primary study design
Interventional

Study type(s)
Diagnostic

Health condition(s) or problem(s) studied
Topic: Renal and Urogenital; Subtopic: Renal and Urogenital (all Subtopics); Disease: Renal

Interventions
Contrast enhanced ultrasound: Single examination using a 2.4mls injection of Sonovue contrast media.

Intervention Type
Other

Phase
Not Applicable

Primary outcome(s)
Perfusion defect rates using 99mTc-diethylenetriamine pentaacetic acid (DTPA) renogram

Key secondary outcome(s))
Graft viability up to 3 months post-op measured by serum results and histology reports.

Completion date
31/07/2012

Eligibility

Key inclusion criteria

1. All renal transplant patients that undergo surgery within the collection period for the study until study population is acheived (N=105)
2. Male & Female ; Lower Age Limit 18 years

Participant type(s)
Patient

Healthy volunteers allowed
No

Age group
Adult

Lower age limit
18 years

Sex
All

Key exclusion criteria
1. Any patient under 18 years of age
2. A pregnant patient and
3. Any patient excluded due to contraindications as listed in the manufacturers guidelines for the contrast media used

Date of first enrolment
04/03/2011

Date of final enrolment
31/07/2012

Locations

Countries of recruitment
United Kingdom

England

Study participating centre
Freeman Road
Newcastle upon Tyne
United Kingdom
NE7 7DN

Sponsor information

Organisation
Newcastle upon Tyne Hospitals NHS Foundation Trust (UK)

ROR
https://ror.org/05p40t847

Funder(s)

Funder type
Charity

Funder Name
Northern Counties Kidney Research Fund (UK)

Alternative Name(s)
NCKRF

Funding Body Type
Private sector organisation

Funding Body Subtype
Other non-profit organizations

Location
United Kingdom

Funder Name
Society and College of Radiographers (SCoR) (UK)

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	01/11/2017		Yes	No
Participant information sheet	Participant information sheet	11/11/2025	11/11/2025	No	Yes