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The effect of cataract surgical techniques on the corneal endothelium: a comparison between conventional phacoemulsification with Aqualase

Submission date 28/09/2007	**Recruitment status** No longer recruiting	[_] Prospectively registered [_] Protocol [_] Statistical analysis plan [_] Results [_] Individual participant data [_] Record updated in last year
Registration date 28/09/2007	**Overall study status** Completed	
Last Edited 29/09/2011	**Condition category** Eye Diseases	

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

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Additional identifiers

Protocol serial number
N0141187713

Study information

Scientific Title

Study objectives
To compare two techniques of cataract surgery: conventional phacoemulsification versus the newer Aqualase technique especially looking at the rate of corneal endothelial cell loss and complications rate seen with each technique.

Ethics approval required
Old ethics approval format

Ethics approval(s)
Not provided at time of registration

Primary study design
Interventional

Study design
Randomised controlled pilot study

Study type(s)
Treatment

Health condition(s) or problem(s) studied
Eye Diseases: Cataract

Interventions
1. Standard phacoemulsification
2. Aqualase

Intervention Type
Other

Phase
Not Specified

Primary outcome(s)
Percentage of cell loss

Key secondary outcome(s)
1. Coefficient of variation and hexagonality of cell sizes at 3 months
2. Per-and-postoperative complications

Completion date
20/12/2006

Eligibility

Key inclusion criteria
Routine cataracts less than or equal to grade 3 determined by Oxford grading scale

Participant type(s)
Patient

Healthy volunteers allowed
No

Age group
Not Specified

Sex
Not Specified

Key exclusion criteria
1. Other ocular or systemic co-morbidity factors
2. Patients with an axial length greater than 26.5mm
3. Combined procedures
4. Cataracts greater than grade 3

Date of first enrolment
20/09/2006

Date of final enrolment
20/12/2006

Locations

Countries of recruitment
United Kingdom

England

Study participating centre
Moorfields Eye Hospital
London
United Kingdom
EC1V 2PD

Sponsor information

Organisation
Record Provided by the NHSTCT Register - 2007 Update - Department of Health

Funder(s)

Funder type
Government

Funder Name
Moorfields Eye Hospital NHS Foundation Trust (UK) NHS R&D Support Funding

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary
Not provided at time of registration