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

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

Plain English summary of protocol

Not provided at time of registration

Contact information

Type(s)

Scientific

Contact name

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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

Study design

Randomised controlled pilot study

Primary study design

Interventional

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