

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	<input type="checkbox"/> Prospectively registered
Registration date 28/09/2007	Overall study status Completed	<input type="checkbox"/> Protocol
Last Edited 29/09/2011	Condition category Eye Diseases	<input type="checkbox"/> Statistical analysis plan
		<input type="checkbox"/> Results
		<input type="checkbox"/> Individual participant data
		<input type="checkbox"/> Record updated in last year

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

Contact name
Mr Scott Hau

Contact details
Moorfields Eye Hospital
162 City Road
London
United Kingdom
EC1V 2PD
+44
Scott.Hau@moorfields.nhs.uk

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