

**Free Papers**

MONDAY 11TH SEPTEMBER

16:30-18:00  
**AUDITORIUM 2****A fellow eye comparison of PCO rates between the Acrysof® MA60 and HumanOptics MC611 microlens**

**Purpose:** To assess PCO rates with the 6mm optic Acrysof® MA60 IOL and the HumanOptics MC611 microlens. **Setting:** Eye Department, St Thomas' Hospital, London, UK. **Methods:** 30 patients with cataracts and otherwise normal eyes who underwent routine phacoemulsification surgery were prospectively randomized to receive an Acrysof® MA60 in one eye and a HumanOptics MC611 Microlens in the other which can be implanted through a 1.8mm incision. Patients were followed up at 1, 3 and 6 months and 1 year. At each visit 100% contrast ETDRS Logmar Acuity was recorded and digital retroillumination images taken of the posterior capsule and analysed using POCO software. **Results:** There was no significant difference in visual acuity between eyes. Median PCO rates at 1 month were 1.4% (interquartile range (IQR) 0.7 - 2.9) in the MA60 eye and 0.9% (IQR 0.4 - 3.3) in the Microlens eye (p=ns), at 3 months were 4.3% (IQR 1.1 - 9.8) in the MA60 eye and 2.0% (IQR 1.1 - 10.6) in the Microlens eye (p=ns) and at 6 months were 6.5% (IQR 4.2 - 8.8) in the MA60 eye and 5.0% (IQR 4.6 - 9.6) in the Microlens eye (p=ns). This is an ongoing study and the one year results will be presented. **Conclusion:** Preliminary data shows excellent PCO performance with both lenses. The MC611 Microlens can be inserted through a 1.8mm incision and is a suitable choice for implantation in small incision bimanual cataract surgery without compromising PCO performance.

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