POSTERS

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FIRST EXPERIENCES WITH THE HUMAN OPTICS MC 611 MI AND MC 611 MI-B

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PURPOSE: To evaluate two new foldable plate IOL design for micro incision cataract surgery (MICS) with conventional and enhanced sharp edge optic configuration.
METHODS: In a prospective nonrandomized study 25 Human Optics MC 611 Mi and 21 Human Optics MC 611 Mi-B foldable intraocular lenses were implanted in 34 patients. The MC 611 MI is a hydrophilic one piece plate lens design with sharp edges, the Model MC 611 Mi-B has the same design with enhanced 360 degree sharp edge that include the optic/haptic junction areas. All phacoemulsification procedures were performed in topical anaesthesia via clear cornea. The lens was implanted through an unenlarged standard phaco incision of 2.6mm using a shooter with 1.8mm opening.
RESULTS: Mean patient age was 74.4 years (range: 61 to 85 years). The preoperative refraction ranged between -1.5 D and 4.0 D sphere and between 0 D and -2.25 D astigmatism. The IOL power ranged between 18.0 D and 26.0 D. After 1 month the mean UCVA was to 0.42. The BCVA was 0.67 (ranging from 0.3 to 1.0). Implantation through the unenlarged phaco incision was uneventful. No IOL damage due to the injection process was encountered.
CONCLUSION: Implantation of this hydrophilic one piece plate lens designs was uncomplicated through a 1.8mm injector system. Visual recovery after surgery was normal. The effect of the enhanced sharp edge design on posterior capsule opacification will be quantified using the EPCO2000 image analysis program.