

Session 1-M: Cataract/Refractive: Presbyopia—Accommodating IOLs

Title: Synchrony Dual-Optic Accommodating IOL: 1 Year follow-up

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Purpose: To evaluate the visual outcomes of implantation of a dual optic accommodating IOL in cataract patients.

Methods: Prospective clinical study of 25 eyes implanted with the Synchrony IOL. Follow up visits were performed postoperatively at day 1, week 1 and months 1,3,6 and 12. All patients completed the follow-up schedule. Accommodation was measured through defocus curve analysis and UBM. Also, UCVA, BCVA for both far and near, minimum add required to reach J1+ and Best Distance Corrected Near Acuity were recorded for every visit.

Results: Mean follow up was 13.8 months (12 – 17). Defocus curve analysis showed mean accommodative range of 2.87 D (SD 0.19). High definition UBM evidenced stability of lens position throughout the study period as well as consistent movement of the anterior optic of the lens.

Conclusions: The Synchrony Accommodating IOL is clinically effective in cataract patients. The accommodative effect of this lens is stable in the long term.