

R1 R2 R3 PG0 PG1 Estagiário Tecnólogo
PIBIC Last Name - Ferraz First Name - Caroline Middle - Amaral

Service (sector) Refractive SurgeryNº CEP

Evaluation of Phakic Intraocular Lens for Presbyopia Correction

Caroline Amaral Ferraz, Norma Allemann, Georges Baikoff

Purpose To evaluate clinical outcome of anterior chamber multifocal intraocular lens (IOL) for presbyopia correction.

Methods

Fifty eyes of 33 patients received the implantation of a foldable anterior chamber multifocal IOL. Preoperative refraction ranged from -5.0 D to $+5.0$ D. The IOL addition was $+2.50$ D. Uncorrected distance acuity of 20/30 and uncorrected near acuity (Parinaud Scale) of 3 was considered a successful postoperative result. Follow-up included slit-lamp evaluation, gonioscopy, tonometry and endothelial cell count.

Results

Mean follow up was 42.6 weeks. Eighty-four percent of the eyes achieved an uncorrected distance acuity of 20/30 or better and uncorrected near acuity equal or better to Parinaud 3. Endothelial cell count loss was not significant. The IOL was explanted for different but essentially optical reasons. No significant anatomic complications were observed.

Conclusion Good predictability in terms of visual outcome was noticed. The reversibility of the procedure avoided major complications. Strict inclusion criteria and a longer follow-up are necessary.