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Bilateral cataract surgery in tropical country: Visual outcomes and complications

Purpose: To evaluate the visual outcome, post-operative complications and safety of simultaneous bilateral cataract extraction.

Setting: Single surgeon series in a private practice setting.

Methods: This retrospective case review comprised 74 random patients (148 eyes) who had simultaneous bilateral Cataract Surgery. Surgeries included bilateral simultaneous Microincision phacoemulsification with foldable monofocal / multifocal intraocular lens implantation. Outcome measures were postoperative Best Spectacle-Corrected Visual Acuity (BSCVA), intraoperative and postoperative complication rates.

Results: 91.89 percent of patients (136 eyes) achieved an UCVA acuity of 6/9 or better on post-operative day one. Rest 8.1 percent of patients had BCVA 6/12 post-operative day one. All eyes had BCVA of 6/9 or better by end of 1 month. One eye of one patient had mild iritis when post-operative steroids were tapered and stopped, same eye responded well on second three week cycle of low dose steroid. Intraoperative complication rates were similar to those in previous reports of unilateral Cataract Surgery and simultaneous bilateral Cataract Surgery. No cases of Endophthalmitis or toxic anterior segment syndrome occurred in all 148 eyes. There were no bilateral complications that resulted in visual loss.

Conclusions: Simultaneous bilateral Cataract Surgery did not lead to an increased incidence of serious intraoperative or postoperative complications, and visual acuity results were good.

Biography

Hardik Parikh is an experienced and well trained Cataract and Refractive surgeon who specialises in Multifocal IOLs, premium lenses and Toric IOLs. He has vast experience in LASIK surgery and Phakic IOLs to correct Refractive Error. He has presented at various national and international conferences.