

VISCODIALLING: A SAFE METHOD TO DIAL THE IMPLANT IN CATARACT SURGERY

Purpose:

To examine the safety and efficacy of using the Ophthalmic viscosurgical device cannula (OVDC) to ensure correct endocapsular placement of the intra-ocular lens (IOL) in phacoemulsification cataract surgery (PCS).

Methods:

A prospective, consecutive, single-surgeon, cohort study was conducted with patients undergoing PCS with wound-assisted implantation of an aspheric, hydrophobic acrylic IOL (Acrysof[®] IQ SN60WF, Alcon Labs, Fort Worth, TX 76134) via a 2.2-mm clear corneal incision. After intracameral placement of the implant, the metal 27-gauge cannula of the Provisc[®] OVD (Alcon Labs, Fort Worth, TX 76134), along with concurrently injected viscoelastic, was used to manipulate the IOL into its intended endocapsular position. The technique was evaluated by recording the frequency with which the IOL could be placed correctly without having to utilize a metallic implant dialler. Intraoperative and postoperative complications, and best corrected visual acuity (BCVA) were recorded.

Results:

There were no complications due to the use of the OVDC. A metallic dialler was never required. All patients were followed at 1 day, 6 days and 4 weeks following surgery. At 4 weeks postoperatively, 92.5% of patients had BCVA of 6/6 or better.

Conclusion:

Viscodialling appeared to be a safe and effective alternative to the use of a metallic dialler in PCS, and is associated with acceptable visual outcomes.