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Phacoemulsification as a treatment modality for occludable angle eyes

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A prospective study was carried out to evaluate changes in Intraocular pressure (IOP) after phacoemulsification in eyes with occludable angle and compare with open angle in eyes without any prior diagnosed glaucoma. 60 subjects were divided into two groups of 30 eyes each into occludable angle (group-I) and open angle (group-II) groups after evaluation by gonioscopy. Patients who required immediate intervention for high IOP or treatment for glaucoma were excluded so that the sole effect of phacoemulsification on eyes could be evaluated. After obtaining institutional ethical clearance and informed consent, cataract extraction by phacoemulsification was performed in both the groups. Follow-up was carried out on post op days 1, 7, 30 and 90 to evaluate visual acuity, IOP and central corneal thickness (CCT). The two groups showed significant reduction in IOP ($p < 0.05$) with mean reduction of 1.9 mmHg (8.3%) in Group-I (occludable angle) and 1.4 mmHg (6.3%) in Group-II. Our study strengthens the fact that phacoemulsification can be used as an entity to decrease IOP along with cataract removal in occludable angle eyes showing high pre-op IOP without prior diagnosed glaucoma.

Biography

DIVYA JAIN has completed her MS Ophthalmology from University College of Medical Sciences, New Delhi where she received training in comprehensive ophthalmology with further speciality training in Squint and Glaucoma services. Currently she is further pursuing training in anterior segment.

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