

# 17<sup>th</sup> GLOBAL OPHTHALMOLOGY, GLAUCOMA AND OPTOMETRY CONFERENCE

November 02-04, 2017 Bangkok, Thailand

## Anterior lens capsule to enhance phacotrabeculectomy

Sabitabh Kumar<sup>1</sup> and Gopal K Das<sup>2</sup>

<sup>1</sup>University College of Medical Sciences, India

<sup>2</sup>Guru Teg Bahadur Hospital, India

This prospective randomized case-control study is done to evaluate the efficacy of autologous Anterior Lens Capsule (ALC) in phacotrabeculectomy. After obtaining institutional ethical clearance and informed consent, 88 eyes posted for phacotrabeculectomy were divided into ALC (Group-I) and Non-ALC Group (Group-II). Combined phacoemulsification, with posterior chamber intraocular lens implantation and trabeculectomy was performed in both groups. Anterior lens capsule transplantation was done in the first group (Group-I) beneath the sclera flap. Follow up of 3 months was carried out where in the morphology of bleb, intraocular pressure (IOP), requirement for additional medications and complications were compared between the two groups. Statistical difference favoring ALC group was seen in IOP reduction ( $p < 0.05$ ) at each follow up, qualified success rate and failure rate 3 month follow up ( $p = 0.006$ ) but no difference in bleb morphology was seen. The authors believe that ALC implantation is beneficial in maintain filtration in a combined surgery with minimal complications.

## Biography

Dr. SABITABH KUMAR has pursued his MS Ophthalmology from University College of Medical Sciences, New Delhi. He has specialised in Cataract management, Squint and Glaucoma. He is currently pursuing further training as anterior segment consultant. He has got various papers published in international journals and presented various topics at meets.

drsabitabhagrawal@gmail.com

## Notes: