

# 6<sup>th</sup> Global Ophthalmologists Annual Meeting

May 16-18, 2016 Osaka, Japan

## Secondary multifocal intraocular lens implantation in patient with white cataract

Peirong Lu

The First Affiliated Hospital of Soochow University, China

White cataract occupies certain proportion in cataract patients in developing country. Most of the white cataracts have to give up the refractive IOL implantation because of the limited accuracy of the axis length and IOL power measurement. However, the white cataract patients also have the right to choice refractive IOL and obtain satisfied uncorrected distance and near visual acuity and spectacle independence after cataract surgery if we can detect the axis length precisely. To evaluate the outcomes of secondary multifocal intraocular lens (IOL) implantation in white cataract eyes, white cataract patients accepted secondary multifocal IOL implantation between June 2014 and January 2015 were retrospective reviewed. Ocular biometric parameters, surgical and visual outcomes were analyzed. Compared to conventional primary IOLs implantation, for the optimal white cataract patient, the white cataract were firstly extracted, following the optical biometry being precisely measured and also it is easy to identify whether the patient has adequate visual function, then the multifocal intraocular lens was secondary implanted. A total of five appropriate white cataract patients were enrolled in the secondary multifocal IOL implantation and were retrospective reviewed. The novel management strategy of secondary multifocal IOLs implantation were successful and without obvious adverse events. All the patients were achieved satisfied near and distance visual acuity and spectacle freedom. The outcomes suggest our novel management strategy is a safe and effective option for white cataract undergoing cataract surgery.

### Biography

Peirong Lu received his PhD degree from Kanazawa University in 2004. He has completed his Post-doctoral training at Soochow University. Currently, he is the Professor and Director of Department of Ophthalmology, the First Affiliated Hospital of Soochow University. His research focuses on ocular neovascularization and cataract and is well funded. He has published more than 20 papers including *Invest Ophthalmol & Vis Sci*, *Journal of Immunology*, *Cornea*, *Molecular Vision* and *American Journal of Pathology*.

[lupeirong@suda.edu.cn](mailto:lupeirong@suda.edu.cn)

### Notes: