

# International Conference on Eye Disorders and Treatment

July 13-15, 2015 Baltimore, USA



## Cesar Gomezperalt

Vision Perception, Mexico

### Quality of vision and life perception after Automated lamellar keratoplasty for treating moderate to severe keratoconus: Day one to full recovery

**Purpose:** The aim of this study is to compare preoperative and postoperative quality of vision and life perception after Automated Lamellar Keratoplasty (ALK) in patients with moderate to severe keratoconus.

**Method:** This is a retrospective review of 52 consecutive eyes (42 patients) with moderate to severe keratoconus managed with Automated Lamellar Keratoplasty as first choice of treatment between the year 2005 and 2015 by a single surgeon. Data collected was preoperative and postoperative uncorrected visual acuity (VA), best corrected visual acuity (BCVA), subjective quality of vision and life perception evaluation was performed with the Vision-Perception Clinical Questionnaire (VPCQ). Further refractive surgery for residual refraction also was evaluated and done as part of their visual recovery.

**Results:** All operated eyes (100%) improved UCVA postoperative and 95 percent improved BCVA. All patients referred an increase in their quality of vision and decreased their dependence of glasses or contact lenses. All patients were more independent for daily life activities from which 50% started with sports and activities preoperatively impossible to do. Twenty six percent of the patients underwent LASEK refractive surgery for correction of residual myopia and astigmatism.

**Conclusion:** Automated Lamellar Keratoplasty is a reproducible procedure that not only improves UCVA and BCVA in moderate and severe cases of Keratoconus but also has a beneficial and positive outcome in patient's quality of vision and perception of life activities.

### Biography

Cesar Gomezperalta is a Senior Consultant Eye Surgeon in the field of Cornea, Cataract and Refractive Surgery at Angeles Lomas Hospital in Mexico City. He specializes in Lamellar Corneal Transplant and ocular reconstruction. He is the Founder and Director of Vision-Perception heading the Keratoconus and Corneal Transplant Clinic. He is the Chairman of the World Wide Alumni of the Singapore National Eye Centre and was appointed Chairman for the 2013 world meeting of the World Association of Eye Hospitals. He received his Medical Degree from the Anahuac University School of Medicine, then trained in General Surgery & Laparoscopy at the American British Cowdray Hospital. He completed his Ophthalmology residency at the Lopez Mateos Regional Hospital and visited as a fellow the Wolfe Clinic in Iowa, USA. He then spent a few years specializing in Cornea, Cataract and Refractive Surgery at the Singapore National Eye Centre in Singapore, where he also gained experienced in Ocular Surface Reconstruction and Artificial Corneas.

[cesargomezperalta@me.com](mailto:cesargomezperalta@me.com)

### Notes: