Journal of Ophthalmology

Hindawi

Special Issue on

Latest Innovations and New Prospects in Diagnosis and Therapy of Keratoconus and Corneal Surface Diseases

CALL FOR PAPERS

During last years, cornea specialists have seen many innovations to be introduced in clinical practice. New technology as Scheimpflug camera, alone or mixed with scanning other principles, in vivo confocal microscopy, and optical coherence tomography are now useful and fundamental options in corneal diagnostic routine.

It is possible to evaluate corneal biomechanical properties not just measuring corneal hysteresis and corneal resistance factor: now we can measure time and length of corneal distortion.

Corneal collagen crosslinking determined a strong change in keratoconus eyes prospect and management, but this procedure today is pretty different from the original one introduced by Dr. Seiler.

PK and DALK are not the only options in corneal transplant: there are other available procedures and new techniques.

Femtosecond laser allows surgeons to reach new level of quality results obtained in corneal transplant, optimizing the procedures and standardizing the methods.

This special issue is intended to present and discuss only last innovations and new prospects in corneal diseases management.

Potential topics include, but are not limited to:

- Corneal morphological analysis with new diagnostic tools or devices, in particular with Scheimpflug camera based devices and anterior segment OCT
- Evaluation of corneal biomechanical properties measured with Scheimpflug camera and Ocular Response Analyzer
- New approach in diagnosis and therapies of most important corneal surface diseases, in particular with confocal microscopy and anterior segment OCT
- Description and comparison of corneal surgery techniques for corneal disease, with particular interest for lamellar keratoplasty and endothelial keratoplasty procedures
- Femtolaser in corneal surgery
- Last advances in corneal crosslinking treatment, focusing more on accelerated technique in combination with excimer laser technique

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Manuscript Due
Friday, 23 October 2015

First Round of Reviews
Friday, 15 January 2016

Publication Date
Friday, 11 March 2016