Tentative Outline

SPECIAL ISSUE FOR THE OPEN OPHTALMOLOGY JOURNAL (TOOPHTJ)

Guest Editor: Zisis Gatzioufas

KERATOCONUS-CURRENT STATE OF PATHOPHYSIOLOGY, DIAGNOSIS AND MANAGEMENT

Aims and Scope:

Keratoconus is a progressive corneal ectasia causing irregular astigmatism and leading to corneal scarring and severe visual deterioration, which requires corneal transplantation in more than 20% of the cases. Its pathophysiology is not elucidated yet.

Over the last years there has been major progress in understanding the pathophysiology of keratoconus. Moreover there have been developed new diagnostic tools, which enable biomechanical diagnosis of keratoconus, as well as early detection of forme fruste (subclinical) keratoconus. Similar advances in the management of keratoconus have been achieved as well.

Therefore, an up-to-date special issue on keratoconus, highlighting all these novel advances, would be of great interest for the ophthalmological community and a most valuable addition to the international literature. Only original research articles, critical reviews and systematic reviews are welcomed.

Tentative title/Subtopics:

- Keratoconus-What we do not know. Editorial by Assistant Prof. Zisis Gatzioufas, Dept. of Ophthalmology, University of Saarland, Homburg/Saar, Germany and Moorfields Eye Hospital, London, United Kingdom.

- Pathophysiology of keratoconus-What do we know today? Critical review by Prof. B. Pajic, Chair of Swiss Eye Research Foundation, Reinach, Switzerland.

- Genetics of keratoconus-What is new? Critical review by Prof. S. Bonini, Professor and Chair of Ophthalmology, University Tor Vergata, Rome, Italy.

- Corneal biomechanics in Keratoconus. Systematic review by Prof. Eberhard Spoerl, Department of Ophthalmology, University of Dresden, Germany.

- Modern approaches for the diagnosis of keratoconus. Systematic review by Prof. Achim Langenbuchar, Chair of Experimental Ophthalmology, Saarland University Faculty of Medicine, Homburg/Saar, Germany.

- Contact lenses for keratoconus-Current practice. Critical review by Associate Prof. Marilita Moschos, Dpt. of Ophthalmology, University of Athens, Greece
• **CXL for the management of keratoconus-New advances.** Critical review by Prof. V. Maurino, Head of Cataract Service-Cornea Department, Consultant Ophthalmic Surgeon at Moorfields Eye Hospital, London, United Kingdom.

• **Transepithelial CXL for the management of keratoconus.** Critical review by Dr. David O’Brart, Head of the Cornea Service at St Thomas Hospital, London, United Kingdom.

• **CXL for paediatric patients with keratoconus.** Critical review by Prof. Farhad Hafezi, Professor of Ophthalmology at University of Geneva, Switzerland and Clinical Professor of Ophthalmology at Keck School of Medicine, LA, USA.

• **ICRS for the management of keratoconus.** Critical review by Prof. Jorge Alio, Professor and Chair of Ophthalmology at University of Alicante, Alicante, Spain.

• **Combined CXL treatments for the management of keratoconus-Current state.** Systematic review by Prof. A. J. Kanellopoulos, Clinical Professor of Ophthalmology, New York University Medical School, NY, USA.

• **Corneal transplantation for keratoconus.** Systematic review by Prof. Berthold Seitz, Professor and Chair of Ophthalmology, University of Saarland, Homburg/Saar, Germany.

**Schedule:**
Manuscript submission deadline: January 30, 2016.
Peer Review Due: March 06, 2016.
Revision Due: May 01, 2016.
Notification of acceptance by the Guest Editor: May 15, 2016.
Final manuscripts due: May 16, 2016.