



# 21st ANNUAL SCIENTIFIC CONGRESS

21st - 22nd June 2014



## Farhad Hafezi

### Profile

Farhad HAFEZI, MD PhD is a corneal and refractive laser surgeon specialized in complication management. Prof. Hafezi is also one of the pioneers of the collagen cross-linking (CXL) treatment method for keratoconus and postoperative ectasia. His research is focused on corneal biomechanics, and CXL; his most recent publications involve the novel method for treating corneal infections using CXL

parameters called PACK-CXL (Photo-Activated Chromophore for Keratitis).

Philanthropically, Prof. Hafezi founded an initiative called Light for Sight to eliminate preventable blindness among children and adolescents with keratoconus. [www.lightforsight.org](http://www.lightforsight.org).

In 2010, Prof. Hafezi was appointed Chair and Professor of Ophthalmology of the University Eye Clinic of Geneva and Eye Clinic Director at the Geneva University Hospitals in Switzerland. In 2012, the faculty of the Keck School of Medicine at the University of Southern California (USC) Los Angeles (Doheny Eye Institute) appointed Prof. Hafezi as Clinical Professor of Ophthalmology.

### Talk Summary / PACK-CXL for the treatment of infectious keratitis

Infectious Keratitis represents the third leading cause of global blindness, with an estimated 5 million new cases occurring every year. Whereas contact lens wear can be made responsible for ulcers in developed countries, minor corneal injuries along with insufficient access to ophthalmologists and medication is responsible for the great majority of severe infection that might go along with visual loss. Photoactivation of Riboflavin via UV-A light [PACK-CXL, formerly known as cross-linking for infectious Keratitis] represents a fascinating new concept that was initially presented in 2008. The presentation will show Geneva data both laboratory and clinical, that will shine a promising new light on this type of application. Also, an outlook on future devices for PACK-CSL will be given.

### Talk Summary / Challenging Cases

Irregular astigmatism may be caused by a number of conditions including disease [Keratoconus, Pellucid Marginal Degeneration], Traction / Opacification [scars after trauma and infection], and previous surgery. [decentered or small optical zones and central steep islands after refractive laser procedures, complicated Cataract surgery and penetrating Keratoplasties]. We will present strategies to plan and perform Corneal and Total Wavefront-guided treatments of irregular astigmatism using the Schwind AMARIS 750s platform. Also we will present numerous examples of pre and postoperative topographies and outcomes.



Day 2  
Sunday  
22nd June



## Day 2 - Sunday 22nd June

### 09:00 - Free Papers

### 10:00 - Coffee

### 10:30 till 12:00 - Session 1 - Femto

10:30 - How to manage the learning curve

Michael Knorz

10:45 - Capsulotomy

Damian Lake

11:00 - Corneal Incisions

Jan Venter

11:15 - Fragmentation techniques

Sundeep Kheterpal

11:30 - Challenging Cases

Michael Knorz

11:45 - Business case

Craig Graham

### 12:00 - Lunch

### 13:15 till 14:45 - Session 2 - Crosslinking

13:15 - Parameters for CXL

George Kymionis

13:30 - Evaluating outcomes after CXL

Johnny Moore

13:45 - PACK-CXL for the treatment of infectious keratitis

Farhad Hafezi

14:00 - Early experience with PiXL

Imran Rahman

14:15 - Complications of CXL

Amit Patel

### 14:45 - Tea

### 15:15 - 16:30 - Session 3 - Challenging Cases

Farhad Hafezi

George Kymionis

Antonio Leccisotti

Mark Tomalla

David Donate

### Close