

Theatre

eratoconus

Program Schedule

25th - 26th October 2014

Sheraton Bangalore Hotel, Brigade Gateway

Under the aegis of Karnataka Ophthalmic Society & Bangalore Ophthalmic Society

CME credit hours awaited

master



CLASS

Prof. Eberhard Spörl PhD
Prof. Farhad Hafezi MD, PhD
Prof. Michael Belin MD

With eminent national faculty

- Evolution of crosslinking
- Science of riboflavin & its customisation
- New crosslinking agents
- Crosslinking - penetration of the drug
- The original Dresden protocol - revisited
- Crosslinking devices



Prof. Eberhard Spörl

Head of the Laboratory for Biomechanics,
Department of Ophthalmology
Technical University of Dresden

- Epi-on & epi-off high irradiation accelerated crosslinking & iontophoresis
- Unexpected corneal responses after crosslinking- haze, melt, keratitis
- Recurrent keratoconus: Crosslinking- when to do? is it repeatable?
- Predictability of crosslinking in long term
- Pregnancy related exacerbation of keratectasia
- Crosslinking for infectious keratitis
- Indications and predictors for effective crosslinking



Prof. Farhad Hafezi

Chair and Professor of Ophthalmology of the
University Eye Clinic of Geneva in Switzerland.

- Different imaging modalities in keratoconus - a journey
- Corneal topography - the challenges
- Progression and indices - definition, when to intervene and how to treat?
- Limitations of keratoconus indices
- Grading keratoconus - the classification in vogue!
- Video assisted skill transfer



Prof. Michael Belin

Ophthalmology and Vision Science
The University of Arizona

Highlights

*Breakfast with experts: limited slots available
Register in advance*

Saturday - 25th October (9:00 am - 5:30 pm)

Introductory Remarks

Faculty: Prof. Michael Belin, Dr. Nikhil Gokhale, Dr. Rohit Shetty, Dr. Sujatha Mohan

- ⊗ Epidemiology and prevalence - an overview
- ⊗ Stepwise approach to keratoconus
- ⊗ Customizing keratoconus management

Bringing Optics Into Focus

Faculty: Dr. Ambarish Darak, Dr. Nikhil Gokhale, Dr. Rajesh Sinha

- ⊗ Optics and keratoconus
- ⊗ Contact lens - indications in keratoconus & special contact lenses

Imaging

Faculty: Dr. Aarti Heda, Dr. Chintan Malhotra, Dr. Himanshu Matalia, Prof. Michael Belin, Dr. Rajesh Fogla, Dr. Srinivas K. Rao, Dr. S. P. S. Grewal, Dr. Saumil Kothari, Dr. Shruti Mahajan, Dr. Vishal Arora

- ⊗ Reading the map - understanding Placido's disc based imaging
- ⊗ Scheimpflug imaging - Pentacam, Galilei
- ⊗ Comparison of topographers
- ⊗ Straylight: aberrations of the optical system in keratoconus eyes
- ⊗ Clinical application of OCT imaging in keratoconus - epithelial mapping & demarcation line
- ⊗ Case based discussion on topography

Biomechanics

Faculty: Dr. Abhijit Sinha Roy, Prof. Eberhard. Spörl, Prof. Farhad Hafezi, Dr. Kishore Pahuja, Dr. Purnima Srivatsa

- ⊗ Basics of biomechanics
- ⊗ Emerging tools in corneal biomechanics
- ⊗ In - vivo quantification of cornea moduli: Marker for keratoconus onset and severity
- ⊗ Understanding wound healing after collagen crosslinking

LUNCH

Basic Science and Genetics

Faculty: Dr. Arka Subhra Ghosh, Dr. Himanshu Matalia, Dr. Natasha Pahuja, Dr. Rishi Swarup, Dr. Rohit Shetty

- ⊗ Is inflammation to be blamed for keratoconus? MMP9, IL6
- ⊗ Molecules at work – Lysyl oxidase (LOX)
- ⊗ How safe is corneal collagen crosslinking for limbal epithelial cells
- ⊗ Genetics in keratoconus

Lasik and Ectasia

Faculty: Dr. Amit Gupta, Dr. Luci Kaweri, Prof. Michael Belin, Dr. Pravin Vaddavalli, Dr. Sri Ganesh, Dr. Swapna Nair

- ⊗ What causes ectasia
- ⊗ The corneal volta face: Factors in post LASIK ectasia
- ⊗ PMD and iatrogenic keratectasia
- ⊗ Crosslinking in refractive laser surgery
- ⊗ ReLEx & SMILE
- ⊗ The Athens protocol: a combined refractive treatment to correct myopia and keratoconus

Lasers and Rings in Keratoconus

Faculty: Dr. Amrita Ajani, Dr. Anand Parthasarathy, Dr. Kareeshma Wadia, Dr. Maneck Nicholson, Dr. Raminder Bakshi, Dr. Samaresh Srivastava, Dr. Vardhaman Kankaria

- ⊗ Rings in keratoconus - ICRS
- ⊗ Managing irregular corneas with laser
- ⊗ Combination of topo-linked custom PRK and corneal crosslinking in progressive keratoconus
- ⊗ Cataract surgery & IOL power calculation in keratoconic eyes

HIGH TEA

Sunday - 26th October (9:00 am - 5:30 pm)

Crosslinking at Crossroads

Faculty: Prof. Eberhard Spörl, Prof. Farhad Hafezi, Dr. Himanshu Matalia, Dr. J. K. Reddy, Dr. Mukesh Taneja, Dr. Namrata Sharma, Dr. Rajesh Fogla, Dr. Rishi Swarup, Dr. Ritu Arora, Dr. Rohit Shetty, Dr. Srinivas K. Rao, Dr. Sushma Tejwani, Dr. Vandana Jain

- ⊗ Review of literature
- ⊗ Basics of crosslinking: fluence, illumination & beam profile
- ⊗ Corneal crosslinking for treatment of progressive keratoconus in various age groups
- ⊗ Plan B: what if crosslinking fails?
- ⊗ Crosslinking in special situations – paediatric crosslinking, thin corneas
- ⊗ Comparing accelerated corneal crosslinking and conventional crosslinking
- ⊗ Infectious keratitis post crosslinking
- ⊗ PDT in infectious keratitis
- ⊗ Playing the devil's advocate: Comparison of different protocols
- ⊗ Effect of crosslinking on intraocular pressure
- ⊗ Topography guided crosslinking
- ⊗ Innovations in crosslinking

LUNCH

Video Based Session on Corneal Procedures and Keratoplasty

Faculty: Dr. Anand Parthasarathy, Dr. Himanshu Matalia, Dr. Mathew Kurian, Dr. Namrata Sharma, Dr. Nikhil Negalur, Dr. Pravin Vaddavalli, Dr. Rajesh Fogla, Dr. Raminder Bakshi, Dr. Ritu Arora, Dr. Samar Basak, Dr. Yathish Shivanna

- ⊗ Intracorneal ring segments
- ⊗ Penetrating keratoplasty
- ⊗ Lamellar corneal surgeries
- ⊗ DALK in pediatric age group
- ⊗ Femtosecond laser enabled keratoplasty
- ⊗ Phakic IOLs
- ⊗ Management of acute hydrops
- ⊗ Intraoperative microscope integrated OCT in corneal surgeries
- ⊗ Toric ICL

HIGH TEA

National Faculty

- | | |
|--------------------------|---------------------------|
| ➤ Dr. Abhijit Sinha Roy | ➤ Dr. Rajesh Sinha |
| ➤ Dr. Ambarish Darak | ➤ Dr. Raminder Bakshi |
| ➤ Dr. Amit Gupta | ➤ Dr. Rishi Swarup |
| ➤ Dr. Anand Parthasarthy | ➤ Dr. Ritu Arora |
| ➤ Dr. Arka Subhra Ghosh | ➤ Dr. Rohit Shetty |
| ➤ Dr. Ashish Nagpal | ➤ Dr. S. P. S. Grewal |
| ➤ Dr. Chintan Malhotra | ➤ Dr. Samar Basak |
| ➤ Dr. Himanshu Matalia | ➤ Dr. Samaresh Srivastava |
| ➤ Dr. J. K. Reddy | ➤ Dr. Saumil Kothari |
| ➤ Dr. Kareeshma Wadia | ➤ Dr. Sri Ganesh |
| ➤ Dr. Kishore Pahuja | ➤ Dr. Srinivas K. Rao |
| ➤ Dr. Mathew Kurian | ➤ Dr. Sujatha Mohan |
| ➤ Dr. Mukesh Taneja | ➤ Dr. Sushma Tejwani |
| ➤ Dr. Namrata Sharma | ➤ Dr. Swapna Nair |
| ➤ Dr. Nikhil Gokhale | ➤ Dr. Vandana Jain |
| ➤ Dr. Pravin Vaddavalli | ➤ Dr. Vardhaman Kankaria |
| ➤ Dr. Prema Padmanaban | ➤ Dr. Yathish Shivanna |
| ➤ Dr. Rajesh Fogla | |

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Keratoconus

Theatre

Early Bird Registration: Before September 30th: 3000/-

After September 30th: 4000/-

Spot Registration: Rs 5000/-

Conference Secretariat:

conferences@narayananeethralaya.com; Ms. Chitra Seshadri: +91 9449036370

Or

Visit: www.narayananeethralaya.org

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