

FRIDAY JUNE 29TH, 2012

09:00 – 09:15 Welcome by Organizers

Session I: Cornea Biomechanics & Imaging Systems

Moderators: B. Henderson, S. Klyce

09:15 – 09:25 Non-Surgical Approaches to the Treatment of Optical Aberrations: Do They Work?

Marguerite McDonald, MD, FACS

09:25 – 09:35 Corneal Biomechanics: Another View

Stephen D. Klyce PHD

09:35 – 09:45 Biomechanical diagnosis of keratoconus. Evaluation of the keratoconus match index and the keratoconus match probability.

Georgios Labiris MD, PhD, Zisis Gatzoufas MD, PhD, Haris Sideroudi PhD,
Athanasios Giarmoukakis MD, Vassilios Kozobolis MD, PhD, Berthold Seitz
MD, PhD

09:45 – 09:55 Corneal Tomography vs Oct vs Ultrasound – What do we need, what can it tell us?

Stephen D. Klyce PHD

09:55 – 10:05 Use of anterior segment optical coherence tomography to evaluate corneal collagen cross-linked stromal depth

Konstantinos I. Tsoulnaras, Konstantinos I. Rallis, Nela Stojanovits, Michael A. Grentzelos, Argyro D. Plaka, George D. Kymionis, Ioannis G. Pallikaris

10:05 – 10:15 Corneal Topography and refractive IOLS – What to look for

Stephen D. Klyce PHD

10:15 – 10:25 Nuances of Managing Astigmatism

Bonnie An Henderson MD

10:25 – 10:35 Evaluation of ciliary and Lenticular Rigidity using shear-wave elastography in Rabbit eyes

Detorakis Et, Drakonaki Ee, Karyotakis N, Ginis H, Pallikaris IG

10:35 – 10:45 Correlation of diabetic retinopathy and corneal neuropathy using confocal microscopy

A. Pallikaris, E. Nitoda, P. Kallinikos, I. Moschandrea, G. Amoiridis,
E.S. Ganotakis, M. Tsilimbaris

10:45 – 10:55 On the scale invariance of features in corneal scar tissue.

Harilaos Ginis, Argyro Plaka, Ioannis Pallikaris

10:55 – 11:10 Discussion

11:10 – 11:30 Coffee Break

Session II: Keratoconus & Corneal Crosslinking

Moderators: J. Krumeich, S. Klyce

11:30 – 11:40 Update on Circular Keratotomy (CKT), the alternative to halt Keratoconus (KC)
I + II

Jorg H. Krumeich MD

11:40 – 11:50 Corneal Crosslinking-Physiological Considerations

Stephen D. Klyce PHD

11:50 – 12:00 Riboflavin's time depended degradation rate induced by ultra violet – A irradiation

Vasilios F. Diakonis MD, Vardhaman Kankaria MD, Michael A. Grentzelos MD,
Alexandra Karavitaki MD, George D. Kymionis MD, PhD, Ioannis G. Pallikaris
MD, PhD

12:00 – 12:10 Variability of Pentacam-derived back elevation measurements in keratoconus and cross-linked corneas.

Georgios Labiris MD, PhD, Athanassios Giarmoukakis MD, Haris Sideroudi PhD, Panagiota Bougatsou MD, Ilias Lazaridis MD, Vassilios P. Kozobolis MD, PhD

12:10 – 12:20 SCORE analyzer: a new algorithm for the screening the risk and evolution of corneal ectasia.

Damien Gatinel MD, Alain Saad MD

12:20 – 12:30 Repeatability, reliability and reproducibility of pentacam-derived curvature and wavefront aberrations, of posterior corneal surface, in keratoconic and cross-linked corneas.

Sideroudi H., Giarmoukakis A., Bougatsou P., Labiris G., Kozobolis V.

12:30 – 12:40 Break

12:40 – 12:50 Contralateral eye study of corneal collagen cross-linking with riboflavin and UVA irradiation in patients with keratoconus

Abbas Abolhasani, Ahmad Shojaei Baghini, Hamidreza Zabihi, Kourosh Sheibani

12:50 – 13:00 What is the role of corneal epithelium in cross linking postoperative outcomes?

Damien Gatinel MD

13:00 – 13:10 Epithelial removal during corneal collagen crosslinking: transepithelial phototherapeutic keratectomy versus mechanical debridement

Michael A. Grentzelos, George A. Kounis, Vasilios F. Diakonis, Sophia I. Panagopoulou, Konstantinos I. Rallis, George D. Kymionis, Ioannis G. Pallikaris

13:10 – 13:20 Effect of Corneal Collagen Cross-Linking on Corneal Innervation, Corneal Sensitivity and Tear Function of Patients with Keratoconus

Georgios A. Kontadakis, MD, MSc, George D. Kymionis, MD, PhD, Vardhaman P. Kankariya, MD, Aristophanis I. Pallikaris, MSc, Ioannis G. Pallikaris, PhD

13:20 – 13:30 Favorable outcome after collagen cross linking in severe intractable post LASIK atypical mycobacterium infection with corneal melt.

George D. Kymionis, MD, PhD, Vardhaman P Kankariya, MD, Georgios A Kontadakis, MD, MSc

13:30 – 13:40 Evaluation of visual performance in keratoconus before and after simultaneous photorefractive keratectomy (PRK) followed by corneal crosslinking (CXL)

Argyro Plaka, S. Plainis, H. Ginis, S. Panagopoulou, G. Kontadakis, G.Kymionis, I. Pallikaris

13:40 – 14:00 Discussion

SATURDAY JUNE 30TH, 2012

Session III: Laser, Refractive Surgery & Presbyopia

Moderators: P. Binder, J. Krumeich

09:00 – 09:10 Can an ultra high-resolution optical coherence tomography (OCT) predict progression of epithelial ingrowth in patients following LASIK

Pravin K Vaddavalli, Sonia H Yoo, Ana P Canto, Volkan Hurmeric, Jianhua H Wang

09:10 – 09:20 Lasik Suction Ring to avoid Induction of Aberrations.

Jorg H. Krumeich MD

09:20 – 09:30 LASIK for anisomyopic amblyopia in pediatric patients

Vardhaman P Kankaria, Shrutika S Junagade, Prakash K Kankaria

09:30 – 09:40 Correction of presbyopia in hyperopia with multizone ablation technique using the Nidek EC-5000 CX III

Ahmad Shojaei Bagheini MD, Abbas Abolhasani MD, Ahmad Shojaei Bagheini, Abbas Abolhasani, Farsad Noorizadeh

09:40 – 09:50 Reduced-aperture monovision for presbyopia and the Pulfrich effect

Sotiris Plainis, MSc, PhD, Dionysia Petratou, MSc, Trisevgeni Giannakopoulou, MSc Hema Radhakrishnan, PhD , Ioannis G Pallikaris, MD, PhD , W Neil Charman, PhD, DSc

09:50 – 10:00 Prospective evaluation of the small aperture corneal inlay for the treatment of Presbyopia

Perry S. Binder, MS MD, Dan Durrie, MD

10:00 – 10:10 Presbyopia correction: The Holy Grail

Bonnie Henderson

10:10 – 10:20 Design Principles and Clinical Results of FineVision Trifocal Diffractive IOL

Damien Gatinel MD, Christophe Pagnouille, Yvette Houbrechts

10:20 – 10:30 Presbyopia correction

Pallikaris Ioannis, MD, PhD

10:30 – 10:40 Outcomes after WIOL - CF accommodative intraocular lens implantation

Dimitra M. Portaliou MD, Sophia I. Panagopoulou MD, Ioannis G. Pallikaris MD, PhD

10:40 – 11:00 Discussion

11:00 - 11:20 Coffee Break

Session IV: Femtosecond Lasers

Moderators: S. Yoo, J. Guell, P. Binder

11:20 – 11:30 Current Anterior Segment Applications of Femtosecond Technology

Perry S. Binder, MS MD

11:30 – 11:40 Femtosecond Laser assisted penetrating keratoplasty with Alcon Wavelight ® FS200

Ioannis Pallikaris MD, PHD, Georgios Kymionis MD, PHD, Charalambos Siganos, Sophia Panagopoulou, Irini Naoumidi, Georgios Agorogiannis

11:40 – 11:50 ReLEx smile: method introduction and clinical Results

Jose Luis Guell

11:50 – 12:00 Femtosecond Astigmatic Keratotomy

Sonia H. Yoo MD, William Culbertson, Ana Canto, George Kymionis, Ashkan Abbey, Siamak Zharei-Ghanavati

12:00 – 12:10 Morphology of Femtosecond Intrastromal Arcuate Incisions

Perry S. Binder, MS MD, Brad Gray, Zsolt Bor, Jaime Martiz, Arlene Gwon, Jim Hill

12:10 – 12:20 Comparison of Current Femtosecond Lasers Used for Laser Cataract Surgery

Perry S. Binder, MS MD

12:20 – 12:30 Imaging Systems in Femto Cataract Systems

Stephen D. Klyce PHD

12:30 – 12:50 Discussion

Session V: Medical Cornea & Therapeutics

Moderators: M. McDonald, C. Kalogeropoulos

12:50 – 13:00 Anterior Segment And Adnexal Lesions Associated With Human Immunodeficiency Virus Infection In A Tertiary Care Eye Institute in India : A Study of 1000 HIV positive patients.

Dr Vardhaman Kankaria, Dr S Sudharshan, Dr Jyotirmay Biswas, MS

13:00 – 13:10 Peripheral Ulcerative Keratitis: Diagnostic and Therapeutic approach of a threatening condition

C. Kalogeropoulos MD , PHD, K. Malamos, K. Gorgoli, A. Katsanos, C. Pappa, P. Zafeiropoulos, M. Aspiotis

13:10 – 13:20 Current and Emerging Therapies for the Management of Postoperative Inflammation: Steroids, NSAIDS, and Beyond

Marguerite McDonald, MD , FACS

13:20 – 13:30 Anterior Basement Membrane Dystrophy and Cataract surgery

Dr. Enkela Hrdličková MD, Dr.Ana. Lenčová, Dr.Drahomira Baráková

13:30 – 13:40 Xerophthalmia and acquired night blindness in a patient with gastrointestinal neoplasia.

Anastasios Anastasakis , Georgios Agorogiannis , Triseugeni Giannakopoulou , Sotirios Plainis , Militiadis Tsilimbaris

13:40 – 13:50 Dry Eye: The State-of-the-Art in Diagnostic and Treatment Modalities

Marguerite McDonald, MD , FACS

13:50 – 14:00 Topical Antimicrobial Selection in an Era of Rising Bacterial Resistance and Epidemic Conjunctivitis

Marguerite McDonald, MD , FACS

14:00 – 14:20 Discussion

SUNDAY JULY 1st, 2012

Session VI: Corneal Surgery

Moderators: T. Neuhann, P. Vaddavalli

09:30 – 09:40 First german experience with the Boston Keratoprosthesis

Thomas Neuhann MD, Irmingard Neuhann, MD, Barbara Koller, MD

09:40 – 09:50 Conditions for optimal adhesion of a DSAEK lenticule: An in vitro study

Pravin K Vaddavalli MD, Ana P Canto, Sonia H Yoo, Michael Bannitt, Marco Ruggeri, Jean Marie Parel

09:50 – 10:00 Efficacy of Descemet membrane endothelial keratoplasty (DMEK): Clinical outcome of 200 consecutive cases after a learning curve of 25 cases

Vasilis S. Liarakos MD, Martin Dirisamer, Isabel Dapena, Lianne Ham, Korine van Dijk, Gerrit R.J. Melles

10:00 – 10:10 Intraocular graft unfolding techniques in Descemet membrane endothelial keratoplasty (DMEK)

Vasilis S. Liarakos MD, Isabel Dapena, Lianne Ham, Korine van Dijk, Gerrit R.J. Melles

10:10 – 10:20 Prevention and management of graft detachment in Descemet membrane endothelial keratoplasty (DMEK)

Vasilis S. Liarakos MD, Martin Dirisamer, Korine van Dijk, Isabel Dapena, Lianne Ham, Gerrit R.J. Melles

10:20 – 10:30 Herpetic epithelial keratitis after endothelial keratoplasty (DSAEK)

Georgios Agorogiannis MD, Georgios Maniatakis MD, Charalambos Siganos

10:30 – 10:50 Discussion

Session VII: Meeting Conclusions

Moderators: P. Binder, M. McDonald, I. Pallikaris, S. Yoo

10:50 – 11:10 Open Discussion