



Vienna 2011

2nd EuCornea Congress

16-17 September 2011
Vienna, Austria

Programme



European Society of Cornea and
Ocular Surface Disease Specialists

Success is measured in fractions of a second.



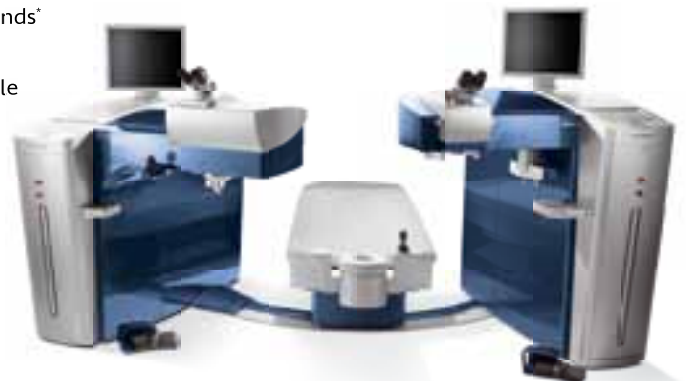
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EUCORNEA BOARD



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MESSAGE FROM THE PRESIDENT



EuCornea
Temple House
Temple Road
Blackrock
Co. Dublin
Ireland

Dear Colleagues

On behalf of the Board and Officers of EuCornea I am very pleased to offer you a warm welcome to Vienna and the 2nd Annual EuCornea Congress.

I would like to convey my special thanks to the organisers of our 15 invited Symposia for their dedication and support to our meeting. I know you will find these sessions interesting and informative. We are very pleased to have attracted many illustrious international cornea and ocular surface disease specialists to our programme whose presence and participation will add immense prestige to our meeting. I am particularly pleased that Prof. Peter Laibson from the Wills Eye Hospital in Philadelphia will be present to deliver the second EuCornea Medal Lecture during the Opening Ceremony at 10.00 am on Friday 16th September.

In addition to the invited Symposia delegates can enjoy a variety of Free Paper sessions and electronic posters. The XXIX Congress of the ESCRS is taking place in the Reed Messe from 17-21 September. This collaboration with ESCRS will be marked by two sessions which we have organised jointly. The first is a Clinical Research Symposium entitled 'Biotreatment of the Cornea' which will be held at 11.00am on Saturday 17th September followed by a main Symposium on 'Cataract and the Endothelium' at 14.00 hours.

EuCornea is very grateful to the Industry who has supported our Congress through participation in the exhibition and the Satellite Symposia. I gratefully acknowledge the confidence they have reposed in our fledgling organisation.

Very special thanks are due to Prof. Gunther Grabner and Dr Stephan Kaminski, our local hosts, who have welcomed us to the beautiful city of Vienna. Finally, I extend a warm and heartfelt welcome and sincere thanks to the multitude of delegates who have registered for the congress and bring to it their contributions in many different forms. To our young delegates I say, "You are our future, our future is bright".

I hope you will have an enjoyable and rewarding 2nd EuCornea Congress.

Yours sincerely

Harminder S Dua
President EuCornea



PROGRAMME OVERVIEW

KEY Invited Symposia Free Paper

FRIDAY 16 SEPTEMBER

TIME	LEHAR 1 + 2	STOLZ 1	STOLZ 3	HALL A1	HALL A2
08.00	Corneal Imaging	New Research in Cornea	BREAK		
09.00					
10.00	Opening Ceremony				
11.00					
12.00	Keratoconus and Corneal Cross Linking	Endothelial Keratoplasty	Miscellaneous		
13.00					
14.00	LUNCH				
15.00	Keratoprosthesis	Amniotic Membrane / Ocular Surface Surgery	Imaging		
16.00	BREAK				
17.00	Anterior Lamellar Keratoplasty	Managing Corneal Ectasias	Inflammation and Infection		
18.00	Welcome Reception				
19.00					
20.00					
21.00	EuroTimes Satellite Education Programme Sponsored by Allergan				

SATURDAY 17 SEPTEMBER

TIME	LEHAR 1 + 2	STOLZ 1	STOLZ 3	HALL A1	HALL A2
08.00	Peripheral Ulcerative Keratitis	Corneal Complications after Refractive Surgery	BREAK		
09.00					
10.00					
11.00	Ocular Surface	DALK and PK	Lens and Corneal Refractive Surgery	ESCRS/EuCornea Clinical Research Symposium Biotreatment of the Cornea	
12.00	Posterior Lamellar Keratoplasty	Dry Eye: What's New			
13.00					
14.00	LUNCH				
15.00	Eye Banking for the Corneal Surgeon	Conjunctival and Limbal Disorders	Keratoprosthesis	ESCRS/EuCornea Main Symposium Cataract and the Endothelium	
16.00					
17.00	BREAK				
18.00	EuCornea-EVER Symposium The Neurotrophic Cornea	Cornea Diseases and Corneal Research in Asia			

DRY EYES

The Natural defence

- 💧 Unique mechanism of action
- 💧 Protection and hydration of ocular surface
- 💧 Restoration of corneal surface integrity
- 💧 Maintains corneal cells viability ⁽¹⁾



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(1) Jain N. K and Roy I. Effect of trehalose on protein structure. Protein Sciences ; 2009; 24-36.

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GENERAL INFORMATION

VENUE

Reed Messe Wien GmbH, Messeplatz 1, A-1021 Vienna, Austria

HOST

EuCornea, Temple House, Temple Rd,
Blackrock, Co Dublin, Ireland

Tel: + 353 1 2883674 Fax: + 353 1 2091112

Email: euornea@euornea.org

Web: www.euornea.org

INSURANCE

Delegates are advised to take out travel insurance to cover medical expenses, accidents, loss, etc.
No responsibility will be accepted by the Congress Organisers

OFFICIAL LANGUAGE

The official language of the Congress is English

CURRENCY

The official currency of the congress is Euro

REGISTRATION DESK

All participants will receive their congress pack at the registration desk. The opening hours of the registration desk are:

Thursday September 15th	15.00 - 18.00
Friday September 16th	07.00 - 18.00
Saturday September 17th	07.00 - 18.00

SPEAKER CHECK IN ROOM - HALL A

Thursday September 15th	15.00 - 18.00
Friday September 16th	07.00 - 18.00
Saturday September 17th	07.00 - 18.00

All speakers must check or upload their presentation prior to their session

EXHIBITION - FOYER A

Friday September 16th	09.00 - 18.00
Saturday September 17th	09.00 - 18.00

CME

This Congress has been awarded CME credits.

CME forms will be available at the entrances to the lecture theatres. You should complete a form for each session that you attend and return the forms to the Registration Desk when you collect your certificate of attendance.

Each delegate should contact his national CME body directly in order to claim his credits for the Congress.

WI-FI

Free Wi-Fi access throughout the Conference Centre

CLOAKROOM

Access via Foyer A

MULTIDENOMINATIONAL PRAYER ROOM

Exhibition Hall B

TOURS DESK

Foyer A

COFFEE BREAKS

Exhibition Hall

Complimentary coffee will be served at the following times:

Friday 16 September	09.30 - 10.00
Saturday 17 September	09.30 - 10.00

CAFES & RESTAURANTS

Self Service Restaurants

Piazza Congress Centre Level 1

Coffee Shops

Pavillon The Mall Level 0

Atrium Congress Centre Level 1

EXHIBITION LEAD RETRIEVAL

Foyer A

SPONSORS

The ESCRS would like to thank the following sponsors for their support:

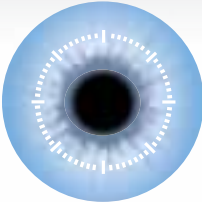
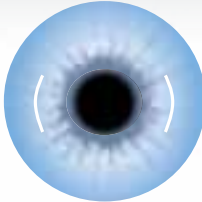




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<ul style="list-style-type: none">▶ The alignment incisions function creates 4, 8, 12, or 16 equally spaced, small incisions along the diameter of the anterior side cut▶ The radial position of the incisions can be shifted in or out using the radial offset parameter	<p>Full control of customisable parameters:</p> <ul style="list-style-type: none">▶ Intrastromal vs full-penetrating▶ Depth▶ Arc length▶ Angle

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Reference:

1. Rückl Th, et al. IntraStromal Arcuate Keratotomy (ISAK) Using a Femtosecond Laser. Poster presented at the ARVO 2011, Fort Lauderdale (FL), May 1-5, 2011, Abstract 5747/D1032.

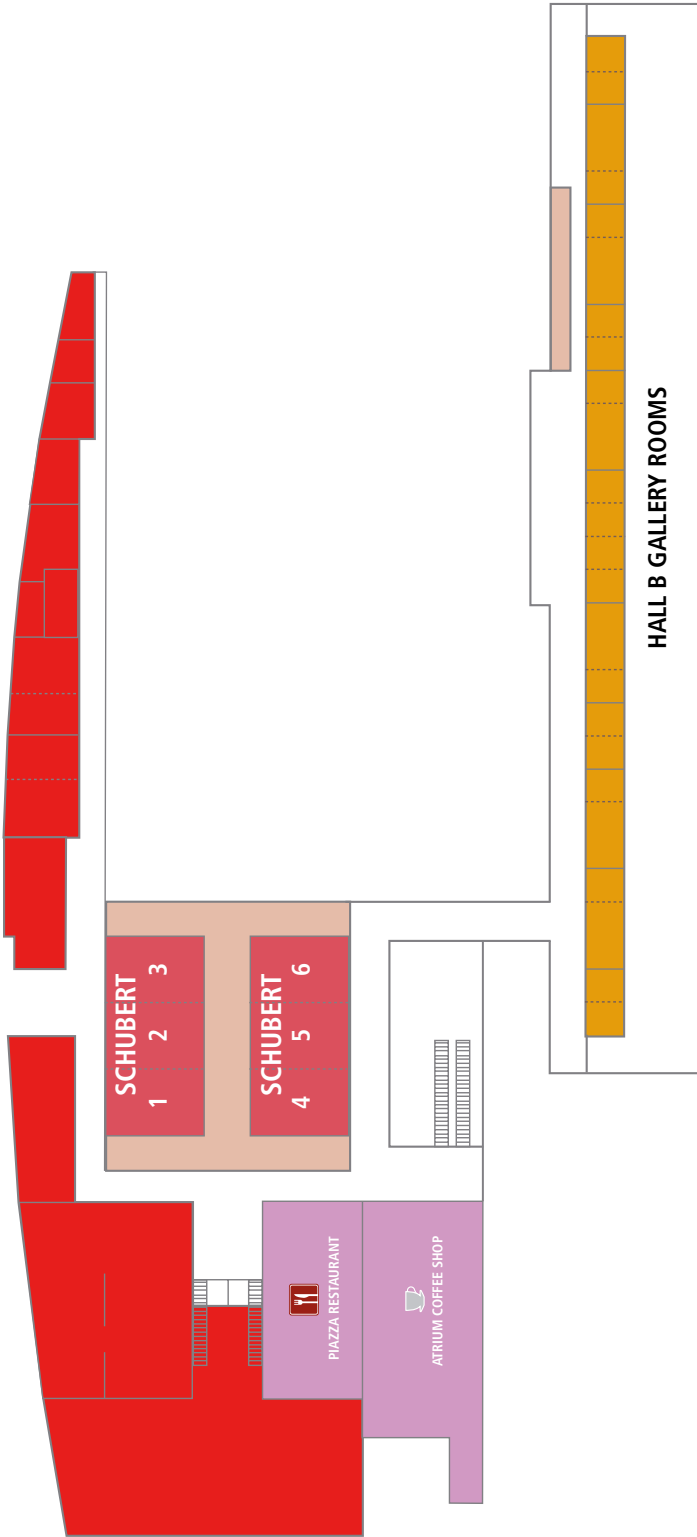
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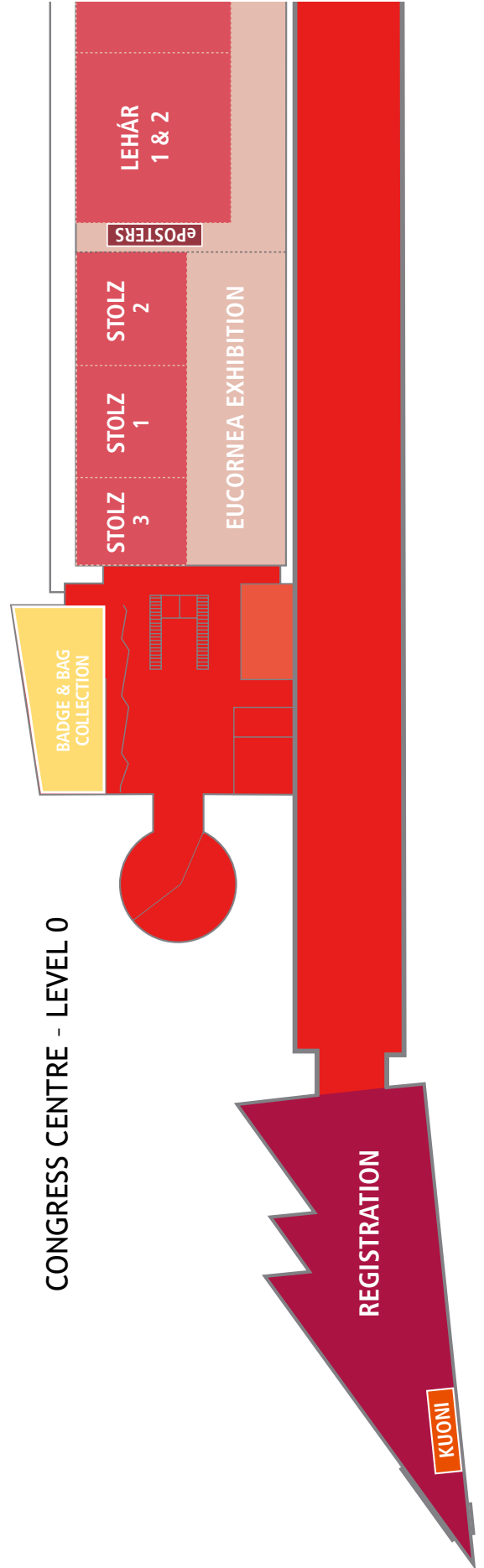
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PLAN OF CONGRESS CENTRE

CONGRESS CENTRE - LEVEL 1



CONGRESS CENTRE - LEVEL 0





3RD EUCORNEA CONGRESS

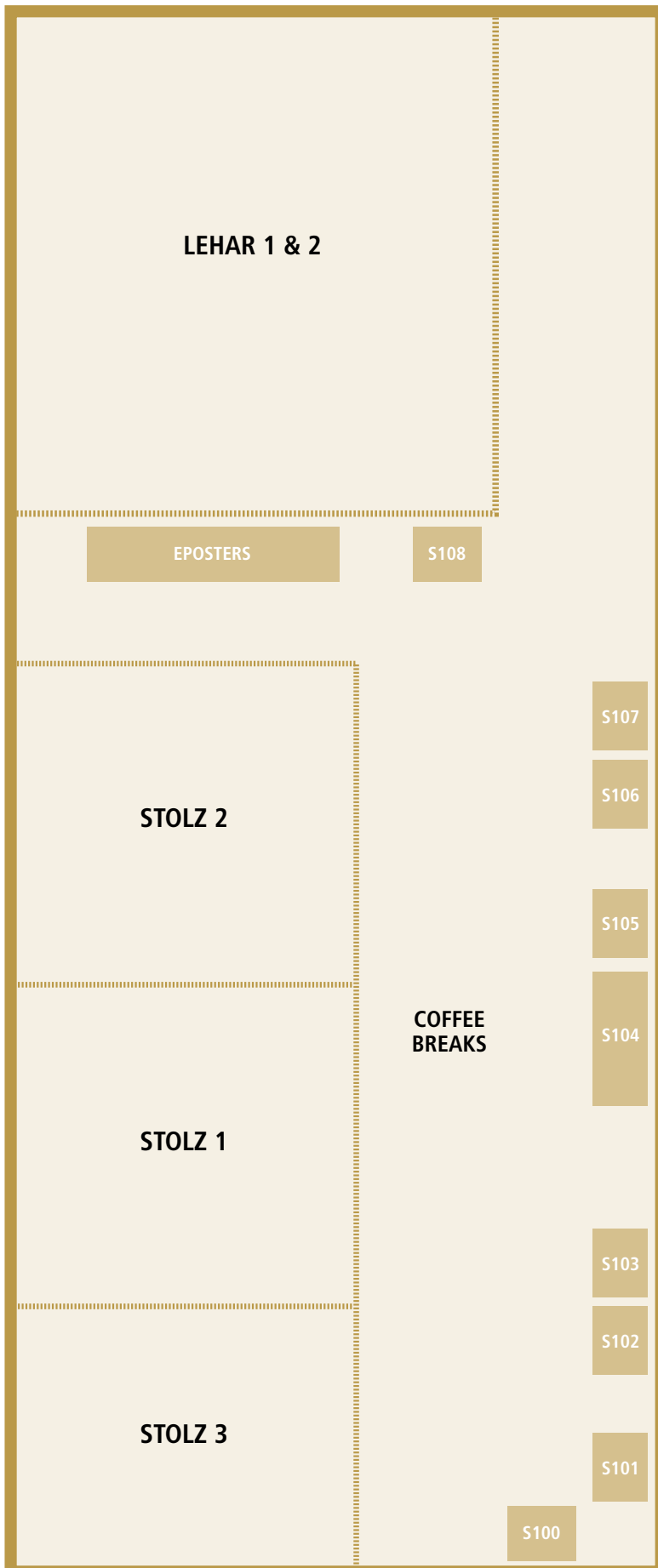


MILAN

6 - 7 SEPTEMBER 2012

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LIST OF EXHIBITORS AND EXHIBITION FLOORPLAN



Alcon Laboratories, Inc.	S103
Allergan	S104
Bon Optic VertriebsgesellschaftmbH	S102
KeraMed Inc.	S100
Moria SA	S106
OCULUS Optikgeräte GmbH	S107
Optovue, Inc.	S108
Sooft Italia, S.P.A.	S105
Vision Share - Eye Bank Network	S101



Opening Ceremony

Friday 16 September

Welcome address by
Harminder Dua
President, EuCornea

On Stage (L-R)

V. Sarnicola / J. Güell / B. Cochener / D. Glasser / G. Grabner / S. Kaminski / H. Dua

- 10.00 - 10.05 H. Dua *UK* — Introduction & Welcome address
- 10.05 - 10.10 S. Kaminski *AUSTRIA* University Eye Clinic of Vienna, Director of the Eye Bank
- 10.10 - 10.15 S. Pieh *AUSTRIA* President, Vienna Ophthalmological Society
- 10.15 - 10.20 H. Azem *AUSTRIA* President, Austrian Ophthalmological Society
- 10.25 - 11.10 P. Laibson *USA* — EuCornea Medal Lecture
- 11.10 - 11.15 Presentation of the EuCornea Medal to Peter Laibson by H. Dua
- 11.15 - 11.20 Signing of the MOU by EuCornea and The Cornea Society
- 11.20 - End H. Dua *UK* — Closing remarks

EUCORNEA MEDAL LECTURE

Herpes Simplex Keratitis: A Fifty Year Retrospective

Peter R. Laibson

WILLS EYE HOSPITAL, PHILADELPHIA, PA, USA



Dr. Peter R. Laibson is an attending surgeon and director emeritus of the Cornea Service at Wills Eye Hospital and Professor of ophthalmology at Jefferson Medical College, Philadelphia, USA. He graduated medical school from State University of New York, Downstate Medical Center. He completed his residency in ophthalmology at Wills Eye Hospital and a cornea fellowship at the Massachusetts Eye and Ear Infirmary of (MEEI) Harvard Medical School. Dr. Laibson's expertise lies in his knowledge of corneal diseases, particularly corneal dystrophies and degenerations, viral diseases of the eye, particularly herpes simplex, herpes zoster and adenovirus, as well as corneal transplantation. He was involved in research on the first anti-viral drug used for herpes in the eye.

FRIDAY 16 SEPTEMBER

LEHAR 1 & 2

08:00 - 09:30

CORNEAL IMAGING

Moderators: M. Belin USA, L. Modis HUNGARY

- 08:00 **KEYNOTE LECTURE** M. Belin USA
3D corneal topography/tomography in corneal diseases
- 08:15 M. Rolando ITALY
Diagnostic tools in ocular surface disorders
- 08:27 J. Szaflik POLAND
Anterior segment OCT in anterior segment disorders
- 08:39 R. Guthoff GERMANY
Confocal microscopy, an inner vision of the cornea
- 08:51 Z. Gatziofufas GERMANY
Ocular response analyser and corneal bio mechanics
- 09:03 L. Modis HUNGARY
Corneal endothelial imaging
- 09:15 Discussion

BREAK

10:00 - 11:30



11:30 - 13:00

KERATOCONUS AND COLLAGEN CROSS LINKING

FREE PAPERS

Moderators: C. Koppen BELGIUM, J. Merayo SPAIN

- 11:30 M. Al-Aqaba, L. Faraj, U. Fares, A. Otri, H. Dua UK
The morphology of corneal nerves in advanced keratoconus
- 11:37 V. Kozobolis, H. Sideroudi, A. Giarmoukakis, M. Gkika, G. Labiris GREECE
Ability of corneal biomechanical metrics and anterior segment parameters, in differentiation forme fruste keratoconus from normal corneas
- 11:44 J. Alfonso, J. Merayo, D. Almánzar, C. Lisa, L. F-Vega IV SPAIN
Visual rehabilitation in keratoconus patients with lens extraction and intrastromal rings segment (Ferrara Type)
- 11:51 M. Balidis, A. Mentis, I. Georgios, A. Ekonomou GREECE
Collagen cross linking in early keratoconus with riboflavin in a femtosecond laser created pocket. Two years of follow-up
- 11:58 R. Barbara, H. Garzozzi, A. Barbara ISRAEL
Collagen corneal cross-linking (CXL) for the treatment of keratoconus in a pediatric group of patients
- 12:05 G. Bikbova, M. Bikbov RUSSIA
Transepithelial collagen crosslinking by electrophoresis of riboflavin (TCCER)
- 12:12 P. Fournié, A. Galinier, C. Laurent, P. Brousset, F. Chiambaretta, F. Malecaze FRANCE
Transepithelial riboflavin distribution and concentration in corneal stroma prior to collagen crosslinking
- 12:19 C. Frederic, M. Francois, M. Joaquim, F. Pierre, C. Louise Marie, C. José, V. Antoine FRANCE
Forward-looking and multicentric study of ocular pharmacokinetics of riboflavin in vivo during a procedure of corneal collagen cross-linking: 25 cases report
- 12:26 C. Koppen, D. Mathysen, J. Rozema, M.J. Tassignon BELGIUM
A contactological point of view on UVA/riboflavin cross-linking (CXL) for progressive keratoconus: a case series of 27 eyes
- 12:33 R. Mencucci, M. Marini, I. Paladini, E. Favuzza, E. Sarchielli, U. Menchini, G. Vannelli ITALY
Effects of transepithelial riboflavin/UVA corneal crosslinking on epithelium, keratocytes and collagen fibers in human corneas
- 12:40 Discussion



FRIDAY 16 SEPTEMBER

LEHAR 1 & 2

14:30 - 16:00

KERATOPROSTHESIS

Moderators: **G. Grabner** *AUSTRIA*, **C. Liu** *UK*

- 14:30 **KEYNOTE LECTURE G. Grabner** *AUSTRIA*
Keratoprosthesis – why, when and which?
- 14:45 **S. Hannush** *USA*
The nuts and bolts of the Boston Type 1 KPro.
A surgical snap shot
- 14:51 **J. de la Cruz** *USA*
The rise and rise of the Boston Type 1 KPro.
Innovations, indications and patient selection
- 14:57 **S. Cortina** *USA*
Boston Type 1 KPro complications.
Prevention, recognition and management
- 15:03 **M. Belin** *USA*
Boston Type 1 KPro in the developing world. Particular
challenges – infection, inflammation, follow up and
economics
- 15:09 **A. Busuttil** *UK*
Psychological assessment and support for KPro patients.
The role of the clinical psychologist and patient self
help groups
- 15:15 **K. Hille** *GERMANY*
A Tooth for an Eye. Demystification of the osteo-odonto-
keratoprosthesis (OOKP)
- 15:21 **M. de la Paz** *SPAIN*
Strategies for edentulous patients requiring a mucous
membrane covered epi-corneal device. Allograft, tibia
or Boston Type 2 KPro.
- 15:27 **F.C. Lam** *UK*
OOKP complications. Highlights of ongoing work on
resorption and extrusion, and glaucoma
- 15:33 **C. Hull** *UK*
Optical considerations in artificial corneas
- 15:39 **D. Tan** *SINGAPORE*
The future of keratoprosthesis
- 15:45 **Discussion**

BREAK

16:30 - 18:00

ANTERIOR LAMELLAR KERATOPLASTY

Moderators: **L. Laroche** *FRANCE*, **F. Malecaze** *FRANCE*,
R. Nuijts *THE NETHERLANDS*

- 16:30 **KEYNOTE LECTURE V. Sarnicola** *ITALY*
DALK: Management of complications
- 16:45 **P. Vinciguerra** *ITALY*
ALK: Optical and functional considerations
- 16:57 **L. Mastropasqua** *ITALY*
ALK: Femtosecond assisted
- 17:09 **D. Tan** *SINGAPORE*
DALK: Indications
- 17:21 **S. Hannush** *USA*
DALK standard technique
- 17:33 **P. Toro Ibanez** *ITALY*
DALK: Functional results, incidence of complications
and long term survival
- 17:45 **Discussion**

18:00 - 18:30

Welcome Reception

(Foyer outside Lehar 1 & 2)

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18:30 **Osmoprotection Symposium**

M. Rolando *ITALY*
Welcome

M. Rolando *ITALY*
Osmoprotection in 2011

P. Simmons *USA*
The future in tears treatment

E. Messmer *GERMANY*
Priorities in dry eye diagnosis – essential,
cutting edge or are all tests mandatory?

M. Rolando *ITALY*
Closing remarks and questions

FRIDAY 16 SEPTEMBER

STOLZ 1

08:00 - 09:30

NEW RESEARCH IN CORNEA

Moderators: T.A. Fuchsluger *GERMANY*, C. Cursiefen *GERMANY*

- 08:00 **KEYNOTE LECTURE** C. Cursiefen *GERMANY*
Novel translational strategies to promote graft survival by anti(lymph)angiogenic therapy
- 08:15 S. Kinoshita *JAPAN*
Innate immunity of the ocular surface
- 08:30 T.A. Fuchsluger *GERMANY*
Gene transfer to corneal cells to improve graft survival
- 08:45 L. Schmetterer *AUSTRIA*
Efficacy and safety of chitosan-N-acetylcysteine in the treatment of dry eye syndrome
- 09:00 J. Mehta *SINGAPORE*
Human corneal endothelial cell expansion for corneal endothelium transplantation
- 09:15 Discussion

BREAK

11:30 - 13:00

ENDOTHELIAL KERATOPLASTY

FREE PAPERS

Moderators: J. Güell *SPAIN*, R. Nuijts *THE NETHERLANDS*

- 11:30 M. Bhogal, B. Allan *UK*
Cut asymmetry in microkeratome prepared grafts for endothelial keratoplasty
- 11:37 J. Mehta, D. Tan, K. Wei-Boon, J. Lee, R. Angunawela *SINGAPORE*
Prospective clinical trial on DSAEK using the EndoGlide Donor Inserter in asian eyes – one year clinical results
- 11:44 M. Nubile, A. Pocobelli, M. Lanzini, R. Calienno, J. Mehta, D. Tan, L. Mastropasqua *ITALY*
Ultra-thin femtosecond laser-assisted Descemet stripping endothelial keratoplasty (FSL-DSEK)
- 11:51 M. Price, A. Arundhati, F. Price *USA*
Endothelial keratoplasty under failed penetrating keratoplasty: visual outcomes, complications and graft survival rate
- 11:58 F. Badala, P. Seidenari *ITALY*
Endothelial keratoplasty with the Neusidl Corneal Inserter: initial experience in Europe
- 12:05 J. Bullet, V. Borderie, L. Laroche *FRANCE*
Prediction of long-term corneal graft survival in endothelial vs. penetrating keratoplasties
- 12:12 A. Kadyan, S. Shah *UK*
Ocular adhesive bandage in Descemets stripping automated endothelial keratoplasty
- 12:19 K. Liehneova, P. Studeny, D. Sivekova, M. Vokrojova, Y. Urbanova, M. Netukova, P. Kuchynka *CZECH REPUBLIC*
Evaluation and comparison of 3 different methods of posterior lamellar keratoplasty
- 12:26 A. Mukherjee, M. Rajan, P. Thomas, G. Voyatzis *UK*
Graft thickness variability and visual outcome in manual (DSEK) vs. automated (DSAEK) endothelial keratoplasty
- 12:33 J. Murta, A. Rosa, M. Quadrado, T. Gregório, C. Farinha *PORTUGAL*
“Custom” Ultrathin FS-DSAEK. Description of a new surgical technique
- 12:40 B. Samolov, P. Montan *SWEDEN*
DSAEK for decompensated PKP-transplants
- 12:47 Discussion

LUNCH BREAK



FRIDAY 16 SEPTEMBER

STOLZ 1

14:30 - 16:00

AMNIOTIC MEMBRANE /
OCULAR SURFACE SURGERY

Moderators: J. Güell *SPAIN*, M. Nubile *ITALY*

14:30 **KEYNOTE LECTURE** J. Güell *SPAIN*
Amniotic membrane. Current indications

14:45 **P. Rama** *ITALY*
Ex vivo expanded limbal stem cell transplantation:
clinical outcomes.

15:00 **D. Tan** *SINGAPORE*
Current concepts and techniques in pterygium surgery

15:15 **E. Holland** *USA*
Limbal transplantation update

15:30 **M. Nubile** *ITALY*
Management of deep corneal ulcer, descematocele and
corneal perforations

15:45 **Discussion**

BREAK

16:30 - 18:00

MANAGING CORNEAL ECTASIAS

Moderators: F. Malecaze *FRANCE*, T. Seiler *SWITZERLAND*

16:30 **KEYNOTE LECTURE** T. Seiler *SWITZERLAND*
Remodeling the cornea

16:45 **F. Malecaze** *FRANCE*
What do we know today about the pathogenesis 5mm

16:55 **M. Jancov** *SERBIA*
Photoablation and crosslinking

17:05 **M. Muraine** *FRANCE*
DALK versus penetrating keratoplasty

17:15 **B. Cochener** *FRANCE*
Intracorneal ring segment surgery: Decision tree

17:25 **J. Alfonso** *SPAIN*
Intracorneal ring segment surgery: Customization

17:35 **F. Hafezi** *SWITZERLAND*
Crosslinking in children and adolescents

17:45 **F. Raiskup** *GERMANY*
New developments in crosslinking

17:55 **Discussion**

FRIDAY 16 SEPTEMBER

STOLZ 3

11:30 - 13:00

MISCELLANEOUS

FREE PAPERS

Moderators: T.A. Fuchsluger *GERMANY*, D.G. Said *UK*

- 11:30 D. Almánzar, J. Merayo, P. Barrio, A. Ojanguren, C. Lisa, J. Alfonso *SPAIN*
Plasma rich in growth factors (PRGF) for the management of moderate dry eye
- 11:37 T.A. Fuchsluger, J. Hu, A. Tomaszewski, A. Kovtun, B. Singer, B. Seitz, S. Ergün *GERMANY*
Calcium phosphate nanoparticles, a new tool for transfection of corneal endothelial cells
- 11:44 Q. Long, Y. Li, S. Wang *CHINA*
The effect of pranoprofen eye drops on the clinical evaluation and distribution of conjunctival HLA-DR expression in dry eyes
- 11:51 O. Rolik, S. Borzenok, Y. Komakh, E. Kovshun, O. Volkova *RUSSIA*
Homologous cellular peptides protect donor corneal endothelial cells during organ culture
- 11:58 S. Barabino, M. Nardi, S. Bonini, P. Aragona, M. Rolando *ITALY*
Double blind comparative clinical trial to evaluate the effect of an artificial tear with hyaluronic acid and tamarind seed polysaccharide in patients with dry eye
- 12:05 B. Ekinci Koktekir, A. Karalezli, G. Celik, A. Kal *TURKEY*
Dry eye and migraine: Is there really a correlation?
- 12:12 R. Lapid-Gortzak *THE NETHERLANDS*
The behavior of straylight in refractive PTK for epithelial basement membrane dystrophy
- 12:19 A. Nowinska, E. Wylegala, D. Dobrowolski, D. Puzzolo, P. Aragona, A. Roszkowska *POLAND*
Molecular genetics of Polish families with macular and TGFBI corneal dystrophies
- 12:26 I. Pellistri, P. Rubino, J. Orsoni *ITALY*
Keratoconjunctivitis sicca in GVHD – Therapeutic options
- 12:33 P. Rubino, I. Pellistri, J. Orsoni *ITALY*
Cogan Syndrome: 10 years experience
- 12:40 T. Krishnan, V. Vaidee *INDIA*
Topical tacrolimus skin ointment in refractory vernal keratoconjunctivitis
- 12:47 Discussion

LUNCH BREAK

14:30 - 16:00

IMAGING

FREE PAPERS

Moderators: L. Modis *HUNGARY*, E. Wylegala *POLAND*

- 14:30 T. Alomar, J. Lowe, M. Al-Aqaba, H. Dua *UK*
Corneal changes in chronic edema: Implications for endothelial transplantation through in vivo confocal microscopy with histopathological correlation
- 14:37 S. Boutboul, T. Gaujoux, V. Borderie, L. Laroche *FRANCE*
OCT and HRT analysis of Muckle Wells cornea
- 14:44 T. Gaujoux, J. Gavrillov, O. Touzeau, L. Laroche, V. Borderie *FRANCE*
One year results of intrastromal corneal ring segments implantation: A confocal microscopy study
- 14:51 M. Klamann, A. Maier, J. Gonnermann, J. Klein, U. Pleyer *GERMANY*
Highly reproducible measurement of dynamic ocular surface temperature in healthy subjects using a new ocular thermography device
- 14:58 A. Konstantopoulos, M. El-abiari, M. Tsatsos, P. Hossain *UK*
Detection of differential corneal inflammatory response in gram negative and gram positive bacterial keratitis (BK)
- 15:05 V. Maduro, N. Alves, J. Feijao, C. Batalha, P. Candelaria *PORTUGAL*
In vivo confocal microscopy after DSAEK: 6 months and 1 year outcomes
- 15:12 L. Mathieu, T. Olivier, B. Elena, G. Thomas, A. Cécile, B. Vincent, L. Laurent *FRANCE*
Optical and geometric properties of cornea in high myopia
- 15:19 S. Moussa, T. Eppig, E. Zemova, B. Seitz, L. Achim, N. Szentmáry *GERMANY*
Zonal analysis of corneal surface temperature in adults following blinking
- 15:26 P. Pisella, T. Habay, P. Sourdille, Y. Nochez *FRANCE*
Evaluation of tear film quality with a double-pass scattering index
- 15:33 N. Toshniwal, D. Toshniwal *INDIA*
Close chamber penetrating keratoplasty technique, a new innovation in keratoplasty surgery
- 15:40 E. Wylegala *POLAND*
Descemet membrane visualization with high resolution optical coherence tomography during deep anterior lamellar keratoplasty (DALK) using big-bubble technique
- 15:47 Discussion

BREAK

FRIDAY 16 SEPTEMBER

STOLZ 3

16:30 - 18:00

INFLAMMATION AND INFECTION

FREE PAPERS

Moderators: U. Pleyer *GERMANY*, M.J. Tassinon *BELGIUM*

- 16:30 L. Faraj, M. Otri, M. Al-Aqaba, D. Said, H. Dua *UK*
Clinical evaluation and classification of corneal neovascularisation
- 16:37 B. Seitz, Z. Gatzoufas, E. Stavridis, M. Sauter, S. Smola *GERMANY*
Graft-to-host transmission of herpes simplex virus – myth or reality?
- 16:44 J. Siqueira, J. Boteon, L. Do Carmo, G. Prévost *BRAZIL*
Experimental study on the role of leucotoxin two compounds lukE-lukD *staphylococcus aureus* in the genesis of corneal ulcers
- 16:51 H. Sitnik *BELARUS*
Surgical treatment of purulent corneal ulcers
- 16:58 N. Bouheraoua, T. Gaujoux, P. Goldschmidt, C. Chaumeil, L. Laroche, V. Borderie *FRANCE*
Prognostic factors associated with the need for surgical treatments in acanthamoeba keratitis
- 17:05 E. Mironkova, A. Kugusheva, T. Sadokhina, V. Demkin, P. Makarov, O. Slepova *RUSSIA*
Research of HHV-6 infection at keratoplasty at patients with corneal ulcers and burns
- 17:12 M. Fernandes, S. Shah, I. Murthy, A. Pathengay *INDIA*
Emergence of pan-drug resistant *pseudomonas aeruginosa* as a cause of microbial keratitis
- 17:19 A. Gabrielyan *ARMENIA*
The use of extremely high-frequency waves of nonthermal intensity at the corneal neovascular walleye (initial report)
- 17:26 A. Panda *INDIA*
Corneal collagen cross linking as an effective aid to medical therapy in refractory corneal ulcer
- 17:33 O. Sandali, T. Gaujoux, P. Goldschmidt, D. Benallaoua, L. Laroche, V. Borderie *FRANCE*
Infectious keratitis in severe limbal stem cell deficiency
- 17:40 S. Saha, J. Sengupta, A. Khetan, D. Banerjee *INDIA*
Antifungal susceptibility pattern of aspergillus, fusarium, and candida isolated from fungal keratitis
- 17:47 Discussion



SATURDAY 17 SEPTEMBER

LEHAR 1 & 2

08:00 - 09:30

PERIPHERAL ULCERATIVE KERATITIS

Moderators: U. Pleyer *GERMANY*, H. Dua *UK*

- 08:00 **KEYNOTE LECTURE** U. Pleyer *GERMANY*
Pathogenesis of (non infectious) peripheral ulcerative keratitis
- 08:15 H. Dua *UK*
Clinical manifestations of peripheral ulcerative keratitis
- 08:30 P. Hossain *UK*
Differential diagnosis and work up of PUK
- 08:45 U. Pleyer *GERMANY*
Medical management of PUK
- 09:00 J. Dart *UK*
Surgical management of PUK
- 09:15 Discussion

BREAK

10:00 - 11:30

OCULAR SURFACE

FREE PAPERS

Moderators: H. Dua *UK*, B. Kulkarni *UK*

- 10:00 K. Hashmani, A. Hopkinson, M. Branch, H. Dua *UK*
Corneal stromal stem cells
- 10:07 B. Kulkarni, A. Hopkinson, H. Dua *UK*
Comparative transcriptional profiling of limbal epithelial crypt with gene St1.0 array demonstrates its putative limbal stem cell niche characteristics
- 10:14 R. Ursea *USA*
What lies beneath the eyes: the role of anterior segment imaging in the diagnosis and management of corneal pathology
- 10:21 H. Van Cleynenbreugel, L. Remeijer, J. Van Rooij, A. Geerards, T. Hillenaar *THE NETHERLANDS*
Cataract surgery in Fuchs' endothelial dystrophy
- 10:28 G. Tarantino, G. Mazzilli, M. Giusi *ITALY*
Our experience in PRK with tissue saving
- 10:35 R. Arora, P. Jain, D. Gupta, J. Goyal *INDIA*
Autologous limbal transplant (alone or in combination with other modalities) as a treatment for chronic chemical burns in children
- 10:42 R. Calienno, M. Lanzini, M. Nubile, M. Colasante, M. Ciafrè, L. Mastropasqua *ITALY*
Pathological changes of anatomical structure and markers of limbal stem cell niche due to inflammation
- 10:49 M. Javadi, S. Feizi *IRAN*
Lamellar keratoplasty and keratolimbal allograft for mustard gas keratitis
- 10:56 A. Miri, D. Said, H. Dua *UK*
Donor site complications in auto limbal and living related allo limbal transplantation
- 11:03 A. Barsam, N. Nissirios, E. Nadji, E. Donnenfeld, H. Perry *USA*
Relationship of direction of Bell's phenomenon with Salzmann's nodular degeneration
- 11:10 M. Cascella, G. Lorusso, F. Liuzzi *ITALY*
Amniotic membrane transplantation in severe herpetic corneal ulceration
- 11:17 Discussion



SATURDAY 17 SEPTEMBER

LEHAR 1 & 2

11:30 - 13:00

POSTERIOR LAMELLAR KERATOPLASTY

Moderators: F. Kruse *GERMANY*, F. Larkin *UK*,
G. Van Rij *THE NETHERLANDS*

- 11:30 **KEYNOTE LECTURE** F. Kruse *GERMANY*
Evolution of posterior lamellar keratoplasty:
The thinner the better
- 11:45 B. Bachmann *GERMANY*
Fundamental issues in DMEK
- 12:00 F. Price *USA*
DMEAK: Technique and results
- 12:15 F. Larkin *UK*
Emerging understanding of the impact of rejection on
lamellae transplants and vice versa
- 12:30 G. Van Rij *THE NETHERLANDS*
9mm mushroom keratoplasty for very advanced
keratoconus or in case of a large perforation during a
DALK procedure
- 12:45 Discussion

LUNCH BREAK

14:30 - 16:00

EYE BANKING FOR THE CORNEAL SURGEON

Moderators: I. Dekaris *CROATIA*, J. Hjortdal *DENMARK*

- 14:30 **KEYNOTE LECTURE** J. Armitage *UK*
Impact of donor factors on graft survival
- 14:45 I. Dekaris *CROATIA*
The European Eye Bank Association
- 14:53 I. Claerhout *BELGIUM*
EU legislation: harvest, testing, quality control
- 15:01 P. Maier *GERMANY*
Principles of organ culture and cold storage
- 15:09 J. Hjortdal *DENMARK*
Pre-cutting of grafts for posterior lamellar keratoplasty
- 15:17 P. Fagerholm *SWEDEN*
Synthetic corneal grafts
- 15:25 M. Claesson *SWEDEN*
European quality registers on corneal grafting
- 15:33 D. Tan *SINGAPORE*
Challenges of eye banking in Asia
- 15:41 Discussion

BREAK

16:30 - 18:00

EUCORNEA-EVER SYMPOSIUM /
THE NEUROTROPHIC CORNEA

Moderators: H. Dua *UK*, P. Hossain *UK*

- 16:30 **KEYNOTE LECTURE** H. Dua *UK*
Microarchitecture of corneal nerves in
health and disease
- 16:50 P. Hossain *UK*
Etiology and clinical features of non healing
corneal ulcers
- 17:10 P. Rama *ITALY*
Medical management of non healing ulcers
- 17:30 D.G. Said *UK*
Surgical management of non healing ulcers
- 17:50 Discussion

SATURDAY 17 SEPTEMBER

STOLZ 1

08:00 - 09:30

CORNEAL COMPLICATIONS
OF REFRACTIVE SURGERY

Moderators: B. Cochener *FRANCE*, R. Nuijts *THE NETHERLANDS*

08:00 **KEYNOTE LECTURE** B. Cochener *FRANCE*
Dry Eye: not to misjudge

08:20 J. Colin *FRANCE*
Interface complications: has the femtosecond solved our problem

08:40 F. Malecaze *FRANCE*
Secondary ectasia: the fear in photoablation

09:00 R. Nuijts *THE NETHERLANDS*
Endothelial damage: the fear in phakic implantation

09:20 Discussion

BREAK

10:00 - 11:30

DALK AND PK

FREE PAPERS

Moderators: C. Cursiefen *GERMANY*, F. Larkin *UK*,
V. Sarnicola *ITALY*

10:00 V. Borderie, J. Bullet, O. Sandali, T. Gaujoux,
L. Laroche *FRANCE*
Predicted long-term post-operative endothelial cell loss and graft survival after deep anterior lamellar versus penetrating keratoplasty

10:07 L. Buzzonetti, G. Petrocelli, M. Fortunato, P. Valente *ITALY*
Big bubble deep anterior lamellar keratoplasty assisted by femtosecond laser in children: Early results

10:14 C. Cursiefen *GERMANY*
"Micro-bubble-incision" as a new rescue technique for "Big-Bubble DALK" with failed bubble formation

10:21 E. Janunts, B. Seitz, A. Langenbacher *GERMANY*
Computerized approach for excimer laser-assisted penetrating corneal keratoplasty

10:28 P. Montan, B. Samolov *SWEDEN*
Endophthalmitis (E) following penetrating keratoplasty (PKP) in a single centre

10:35 P. Thomas, A. Mukherjee, I. Lawton, M. Rajan *UK*
Pre-thinned donor corneas for ultra-thin endothelial keratoplasty

10:42 A. Tomaszewski, J. Lie, B. Seitz, D. Klein, K. Steuhl,
S. Ergün, T. Fuchsluger *GERMANY*
Mesenchymal progenitor cells in the corneal endothelium

10:49 A. Lovieno, V. Shanmuganathan, V. Chowdhury,
V. Maurino *UK*
Evaluation of stability of different wound configurations for femtosecond laser-assisted keratoplasty

10:56 L. Laroche, E. Guilbert, O. Touzeau, V. Borderie *FRANCE*
Graft rejection and graft failure after anterior lamellar versus penetrating keratoplasty

11:03 F. Majo, H. Abouzeid, M. Deprez, F. Hafezi, F. Munier,
P. Othenin-Girard, M. Nicolas *SWITZERLAND*
Immunohistological characterization of epithelial ingrowth (EI) after ALTK (Automated Lamellar Keratoplasty) or LASIK

11:10 M. Mangan, O. Arslan, M. Özdamar, M. Ünal, E. Atalay,
M. Bilgeç, E. Ciciik *TURKEY*
Corneal lamellar grafting in peripheral corneal ulcerations

11:17 Discussion

11:30 - 12:53

DRY EYE - WHATS NEW?

Moderators: J. Merayo *SPAIN*, P. Pisella *FRANCE*

11:30 **KEYNOTE LECTURE** P. Pisella *FRANCE*
Dry eye syndrome and visual disturbance

11:45 **KEYNOTE LECTURE** J. Merayo *SPAIN*
News, physiopath corneal sensitivity

12:00 J. Gicquel *FRANCE*
DES imaging

12:07 E. Messmer *GERMANY*
Tear osmolarity, myth or reality

12:14 V. Profazio *ITALY*
Eye drops from blood of umbilical cord

12:21 J. Durán *SPAIN*
Enriched lubricant

12:28 P.S. Larmo *FINLAND*
Oral sea buckthorn oil

12:35 B. Cochener *FRANCE*
News in dry eye and surgery

12:42 Discussion

LUNCH BREAK



SATURDAY 17 SEPTEMBER

STOLZ 1

14:30 - 16:00

CONJUNCTIVAL AND LIMBAL DISORDERS
(THE CORNEA SOCIETY)

Moderators: D. Glasser *USA*, W.B. Lee *USA*

- 14:30 **KEYNOTE LECTURE** C. Karp *USA*
Ocular surface squamous neoplasia
- 14:45 K. Colby *USA*
Conjunctival melanoma and melanosis
- 14:55 J. McCulley *USA*
Non-melanotic pigmented lesions of the ocular surface
- 15:05 B. Lee *USA*
Management of limbal dermoids
- 15:15 E. Akpek *USA*
Conjunctival involvement in systemic diseases
- 15:25 D. Glasser *USA*
Peripheral corneal degenerations
- 15:35 J.A.P. Gomes *USA*
Mucus membrane pemphigoid
- 15:45 E. Holland *USA*
Stevens-Johnson syndrome and toxic epidermal necrolysis
- 15:55 Discussion

16:30 - 18:00

CORNEAL DISEASES AND CORNEAL
RESEARCH IN ASIA (ASIA CORNEA SOCIETY)

Moderator: D. Tan *SINGAPORE*, L. Xie *CHINA*

- 16:30 **KEYNOTE LECTURE** D. Tan *SINGAPORE*
The changing roles of penetrating keratoplasty, lamellar keratoplasty and keratoprosthesis surgery in Asia
- 16:45 L. Xie *CHINA*
Multicentre infectious keratitis study
- 16:57 C.K. Joo *SOUTH KOREA*
Approach of hormone therapy for corneal wound healing
- 17:09 R. Tsai *TAIWAN*
De-differentiation of corneal basal epithelial cells in altered basement membrane
- 17:21 R. Vajpayee *INDIA*
Automated lamellar therapeutic keratoplasty
- 17:33 J. Mehta *SINGAPORE*
ASOCT imaging for DSAEK
- 17:45 Discussion

BREAK



SATURDAY 17 SEPTEMBER

STOLZ 3

10:00 - 11:30

LENS AND CORNEAL REFRACTIVE SURGERY

FREE PAPERS

Moderators: K. Hoffer *USA*, P. Studeny *CZECH REPUBLIC*

- 10:00 T. Alhamad, K. Meek *UK*
Comparison of factors that influence the measurement of corneal hysteresis in vitro and in normal/post-LASIK
- 10:07 A. Charonis, C. Katsoulos, G. Asimellis, E. Karakosta, M. Zozolou *GREECE*
Simulation of the optical performance of retropupillary artisan placement in a computer eye model
- 10:14 K. Hoffer, M. Camelliin, G. Savini *USA*
Effect of RK on ratio of anterior and posterior curvatures contrary to accepted theory
- 10:21 G. Labiris, A. Giarmoukakis, A. Koutsogianni, H. Sideroudi, M. Gkika, V. Kozobolis *GREECE*
Vector analysis of the astigmatism in myopic spherocylindrical corrections using the wavefront optimised profile (WFO)
- 10:28 A. Radhakrishnan, K. Nair *INDIA*
Corneal astigmatism may not represent total astigmatism
- 10:35 Z. Elarabi, T. Gaujoux, L. Laroche, V. Borderie *FRANCE*
Scleral tunnel incision in cataract surgery in patients with Fuchs corneal dystrophy
- 10:42 P. Studeny, D. Sivekova, K. Liehneova, M. Vokrojova, P. Kuchynka *CZECH REPUBLIC*
Comparison of two different insertion techniques in DMEK-S surgery
- 10:49 A. Anbari *SYRIA*
Retroiridial iris fixated aphakic intraocular lens implantation results in ectopia lentis cases series
- 10:56 W. Jackson, D. Rootman, J. Weins, J. King, A. Saliba, Y. Wang *CANADA*
A prospective study to evaluate the performance and acceptability of an advanced wavefront guided system
- 11:03 L. Nicolas, S. Otmame, G. Thomas, B. Elena, A. Barbara, B. Vincent, L. Laurent *FRANCE*
Long-term endothelial cell loss after iris-fixated phakic intraocular lens for high ametropia
- 11:10 M. Ünal, O. Arslan, M. Mangan, B. Bilgin, C. Arici, I. Yücel *TURKEY*
Deep anterior lamellar keratoplasty in eyes with stromal corneal dystrophies
- 11:17 Discussion

14:30 - 16:00

KERATOPROSTHESIS

FREE PAPERS

Moderators: J. de la Cruz *USA*, A. Kanellopoulos *GREECE*

- 14:30 V. Jasinskas, U. Jurkunus, P. Rudalevicius *LITHUANIA*
Role of keratoprosthesis in elimination of corneal blindness
- 14:37 E. Arrondo, E. Arrondo, J. Guell *SPAIN*
Glaucoma in association with keratoprosthesis at Instituto de Microcirugía Ocular, Barcelona, Spain
- 14:44 S. Cortina, J. Hallak, J. de la Cruz *USA*
Iris-backplate contact in patients with Boston type I keratoprosthesis and increased risk of cystoid macular edema
- 14:51 J. de la Cruz, J. Kang, S. Cortina *USA*
Visual outcomes of Boston keratoprosthesis implantation as the primary penetrating corneal procedure
- 14:58 D. Dobrowolski, E. Wylegala, B. Wowra *POLAND*
Autologous cultured corneal epithelium for corneal limbal stem cell insufficiency in ocular burns
- 15:05 Y. Komakh, S. Borzenok *RUSSIA*
Results of serologic selection of cadaveric donor material according to virus B and C hepatitis at the Moscow Eye Bank
- 15:12 L. Hoffart *FRANCE*
Clinical results of implantation of the Alphacor keratoprosthesis in thirteen patients
- 15:19 A. Kanellopoulos *GREECE*
Use of a foldable artificial cornea for treatment of blindness due to severe ocular surface disease
- 15:26 B. Malyugin, Z. Moroz, E. Kovshun, V. Vlasova *RUSSIA*
A stepwise approach in corneal burn leucomas combined with glaucoma with Fyodorov-Zuev keratoprosthesis
- 15:33 C. Pallas, J. Güell, H. Pallas *SPAIN*
Triple surgery combining pars plana vitrectomy, Ahmed valve implantation and Boston type1 keratoprosthesis to treat complicated congenital glaucoma
- 15:40 Z. Sipkova, I. Francis, J. Herold, C. Liu *UK*
Evaluation of lamellar resorption in osteo-odonto-keratoprosthesis (OOKP) by computed tomography assisted volumetric analysis
- 15:47 Discussion



SATURDAY 17 SEPTEMBER

HALL A2

11.00 - 13.00

ESCRS/EUCORNEA
CLINICAL RESEARCH SYMPOSIUM
BIOTREATMENT OF THE CORNEA

Moderators: J. Alió *SPAIN*, F. Malecaze *FRANCE*

- 11.00 H. Levis *UK*
Regeneration of the ocular surface
- 11.15 W. Jackson *CANADA*
Recombinant collagen for corneal substitution
- 11.30 F. Arnalich *SPAIN*
Stromal stem cell therapy for regeneration of corneal stroma
- 11.45 S. Kinoshita *JAPAN*
Endothelial cell regeneration in the human:
is it possible?
- 12.00 J. Alió *SPAIN*
Biological activation of the ocular surface with platelet
rich plasma: clinical evidence
- 12.15 F. Malecaze *FRANCE*
Gene therapy of the cornea
- 12.30 Discussion

HALL A1

14.00 - 16.00

ESCRS/EUCORNEA MAIN SYMPOSIUM
CATARACT AND THE ENDOTHELIUM

Moderators: H. Dua *UK* (EuCornea), J. Guell *SPAIN* (ESCRS)

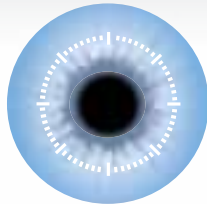
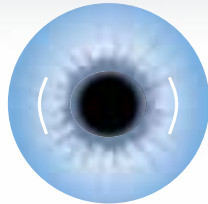
- 14.00 S. Patel *USA*
The endothelium: physiology, preoperative evaluation
and post-surgical evolution
- 14.15 Discussion
- 14.18 F. Kruse *GERMANY*
Surgical approaches and the timing of cataract
extraction in the presence of endothelial disease
- 14.33 Discussion
- 14.36 R. Bellucci *ITALY*
Endothelial protection during cataract extraction in
normal and grafted eyes
- 14.51 Discussion
- 14.54 S. Hannush *USA*
The triple procedure: classical vs. modern approach
- 15.09 Discussion
- 15.12 S. Kinoshita *JAPAN*
Future non-surgical techniques for endothelial
enhancement: mitotic stimulations and gene therapy
- 15.27 Discussion
- 15.30 F. Larkin *UK*
Posterior lamellar keratoplasty in pseudophakic and
aphakic bullous keratopathy
- 15.45 Discussion



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Reference:

1. Rückl Th, et al. IntraStromal Arcuate Keratotomy (ISAK) Using a Femtosecond Laser. Poster presented at the ARVO 2011, Fort Lauderdale (FL), May 1-5, 2011, Abstract 5747/D1032.

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ELECTRONIC POSTERS

- K. Abdelrahman** SAUDI ARABIA
Sodium hyaluronate assisted closed deep lamellar keratoplasty
- K. Abdelrahman** SAUDI ARABIA
Evidence of improved vision and decreased keratometry in keratoconus after collagen cross linking at 12 months follow-up
- K. Abdelrahman** SAUDI ARABIA
Femtosecond laser assisted posterior keratoplasty
- F. Aguilera-Zarate, D. Garcia-Quinones** MEXICO
Difference in endothelial cell protection with different dispersive OVD's after phaco
- F. Aguilera-Zarate** MEXICO
Topographic, aberrometric, refractive and visual quality results of corneal cross linking in keratoconus. 4 year results.
- Y. Akova, O. Oner** TURKEY
Ocular findings in epidermolysis bullosa
- H. Al Haji, Y. Nochez, M. Le Lez, S. Salah, P. Pisella** FRANCE
Bilateral fungal infection on corneal graft following chronic use of immunosuppressive drugs in a patient suffering from Sjogren's syndrome
- M. Al-Amry** SAUDI ARABIA
Bilateral severe paralimbal sterile infiltrates after PRK
- M. Al-Aqaba** UK
The effect of standard and transepithelial ultraviolet collagen cross linking on human corneal nerves: An ex vivo study
- N. Alejandro-Alba, M. Ariño, D. Mingo, S. Duran, B. Garcia-Sandoval, I. Jimenez-Alfaro** SPAIN
Pelucid marginal degeneration: pitfalls of automatic Scheimpflug pachimetry analysis
- D. Almánzar, B. Valcarcel, J. Merayo, P. Barrio, G. Ferrara, J. Alfonso** SPAIN
Corneal sensitivity in keratoconus patients with the Belmonte ocular pain metre (BPM)
- T. Alomar, J. Lowe, M. Al-Aqaba, H. Dua** UK
In vivo confocal microscopy of keratoconus: a comprehensive approach to microstructural changes with histopathological correlation
- A. Anbari** SYRIA
Special cases of anterior and posterior iris fixation of iris fixated aphakic intraocular lens (IOL).
- A. Arango, A. Sabala** SPAIN
DSAEK in eyes with failed penetrating keratoplasty
- D. Aristizabal, D. Elies, J. Güell, E. Arcos** SPAIN
Residual irregular astigmatism after LASIK corrected with intraocular ring segment
- R. Arora, P. Jain, D. Gupta, J. Goyal** INDIA
Results of corneal collagen crosslinking in moderate and advanced keratoconus
- R. Arora, P. Jain, D. Gupta, J. Goyal** INDIA
Results of corneal collagen crosslinking in children
- A. Asanova, S. Imanbaeva** KYRGYZSTAN
Avastin for treatment of neovascularization of cornea
- R. Asoklis, L. Butkiene, S. Galgauskas, K. Malysko, M. Pajaujis** LITHUANIA
Iatrogenic damage to the ocular surface and anterior segment: case series
- F. Badala, P. Seidenari** ITALY
Descemet stripping endothelial keratoplasty (DSEK) in aphakia: special considerations
- F. Badala** ITALY
Deep anterior lamellar keratoplasty (DALK): What have I learned from my first 20 cases
- S. Baghrizabehi, T. Robić** SLOVENIA
Cyanoacrylate glue for corneal perforations
- G. Baikoff** FRANCE
LASIK folds and flap dislocations
- G. Baikoff** FRANCE
Femtolasers lamellar grafts: Combining the best of the femtosecond laser and the best of the big bubble
- M. Balidis, G. Ioannidis, A. Mentis, G. Dranidis** GREECE
Descemet's stripping endothelial keratoplasty (DSEK) using Tan EndoGlide™ endothelium insertion system
- S. Barabino, M. Rolando** ITALY
Immune cells on the ocular surface of dry eye patients and the effect of topical anti-inflammatory treatment
- R. Barbara, H. Garzozzi, A. Barbara** ISRAEL
Intacs SK with collagen corneal cross linking (CXL) for the treatment of keratoconus
- R. Barbara, H. Garzozzi, A. Barbara** ISRAEL
Collagen corneal cross linking (CXL) in a "keratoconic" eye with diffuse corneal edema
- R. Barbara, H. Garzozzi, A. Barbara** ISRAEL
Post photorefractive keratectomy (PRK) treated by collagen corneal cross-linking (CXL) and subsequent Intac insertion
- E. Basli, F. Malecaze, P. Fournié, O. Touzeau, T. Gaujoux, V. Borderie, L. Laroche** FRANCE
Transepithelial corneal collagen cross-linking in keratoconus
- C. Batisti, L. Buratto, F. Menicacci, M. Fruschelli, E. Motolese** ITALY
The first experience of single institution of Siena 2010-2011 in application of cross-linking in thin cornea
- R. Bellucci, C. Chierigo** ITALY
Endothelial keratoplasty in a newborn baby with CHED: clinical case and literature review
- R. Bellucci, S. Morselli, C. Chierigo, D. Zanotto** ITALY
DSAEK with pre-cut tissue: success and failures over a 5 year period
- G. Bikbova, M. Bikbov** RUSSIA
Keratoconus treatment management: different surgical methods outcomes
- P. Borges, S. Maia, R. Reis, M. Gomes, L. Oliveira, P. Torres** PORTUGAL
INTACS implantation in a paediatric population
- R. Calvo, A. Gracia, E. Tarrago, P. Palomares** SPAIN
Interferon alpha 2B as an effective treatment for neurotropic keratitis: case report
- N. Cesario Pereira, J. Macedo, L. Oliveira, C. Tonin, P. Bertino, L. Barbosa** BRAZIL
Comparison between manual DALK and DALK with FS Laser and PTK

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- N. Chalvatzis, K. Tsaousis, C. Symeonides, A. Tzamalīs, J. Tsinopoulos, S. Dimitrakos** *GREECE*
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U. Menchini, D. Pellegrini Giampietro *ITALY*

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R. Mohammed-Ali *SYRIA*

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D. Monteiro, C. Almeida, L. Torrão, F. Vaz *PORTUGAL*

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- T. Semchyshyn** *USA*
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- G. Williams, S. Kadare, M. Muhtaseb** *UK*
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- E. Wylegala** *POLAND*
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E. Wylegala, D. Janiszewska, D. Dobrowolski, A. Nowinska, M. Milka *POLAND*
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X. Yang, Q. Zhou *CHINA*
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N. Zakaria *BELGIUM*
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O. Zavoloka, P. Bezditko *UKRAINE*
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O. Zavoloka, P. Bezditko *UKRAINE*
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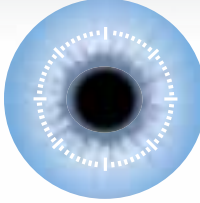

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Reference:

1. Rückl Th, et al. IntraStromal Arcuate Keratotomy (ISAK) Using a Femtosecond Laser. Poster presented at the ARVO 2011, Fort Lauderdale (FL), May 1-5, 2011, Abstract 5747/D1032.

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