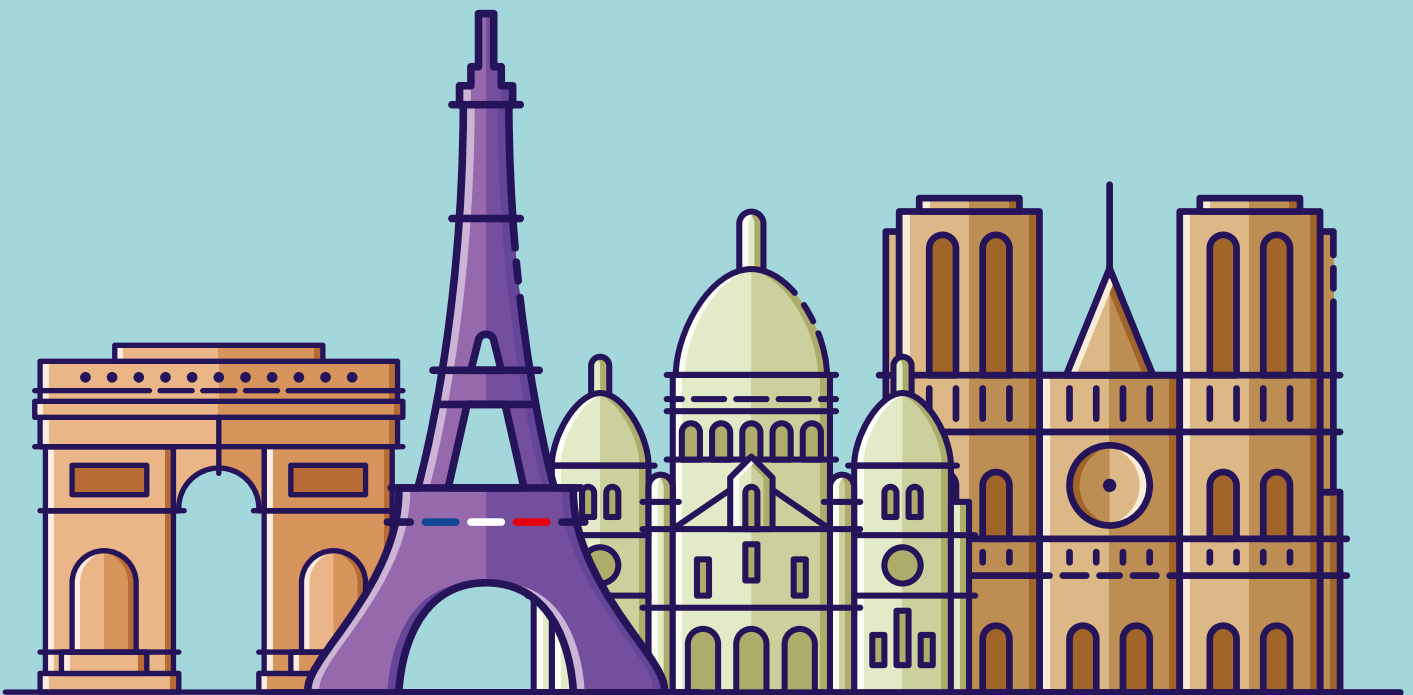


10th EuCornea Congress

Paris 2019

13 – 14 September 2019 | Paris Expo Porte de Versailles

PROGRAMME



European Society of Cornea and
Ocular Surface Disease Specialists

www.eucornea.org

11th EuCornea Congress
AMSTERDAM

2 – 3 October 2020

RAI Amsterdam, The Netherlands

www.eucornea.org



European Society of Cornea and
Ocular Surface Disease Specialists

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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, it is my great pleasure to welcome you to Paris for the 10th EuCornea Congress.

Over the course of the next two days delegates will enjoy a choice of excellent sessions. The latest developments in Cornea and Ocular Surface Disease will be presented by leaders in the field, in the eight Focus Sessions, seven Instructional Courses and three Free Paper Sessions. We are delighted to host a joint session in collaboration with The Cornea Society, an Update on Ectatic Diseases. As another new initiative, a limited number of wet-lab courses on DMEK surgery led by Dr. Federico Badala and our faculty colleagues will be available.

The EuCornea Medal lecture will be given during the Opening Ceremony on Friday at 11.00am. This year, this esteemed lecture will be presented by a long-time supporter of EuCornea, Sadeer Hannush on the topic of "Clinical Corneal Research: Why It Is Important to Get Involved".

EuCornea is delighted to be once again partnering its annual meeting with the 37th Congress of the ESCRS and the WSPOS Sub-Specialty Day. As part of this collaboration, a combined EuCornea/ ESCRS Symposia will take place on Saturday on the topic of "Cataract Surgery in Eyes with Diseased Corneas".

Finally, I would like to thank all organisers and speakers for their invaluable role in creating such a high caliber scientific programme for the 10th Congress.

I wish you a successful and rewarding congress and hope that you enjoy your stay here in Paris.

A handwritten signature in black ink, appearing to read 'J. Hjortdal', written in a cursive style.

Jesper Hjortdal

PRESIDENT, EUCORNEA

PROGRAMME OVERVIEW

Friday 13 September

	North 4	West 1	West 2	Auditorium
08.30				
09.00	Free Paper Session 1 Corneal Transplantation & Storage	Free Paper Session 2 Keratoconus, CXL & Dystrophies		
10.00	Instructional Course 1 New Ideas in Dry Eye Treatment Jesus Merayo & Maurizio Rolando	Instructional Course 2 Innovations in Corneal Imaging Leonardo Mastropasqua & Michael Belin		
	Break			
11.00	Opening Ceremony & EuCornea Medal Lecture Sadeer Hannush			
12.00	Focus Session Joint Session EuCornea & The Cornea Society - Update on Ectatic Diseases George Kymionis, Jose Gomes & Michael Belin	Focus Session Update on Viral Keratitis Frank Larkin		
13.00				
14.00	Lunch/Sponsored Symposia			
15.00	Focus Session DSAEK, DMEK & Beyond Jesper Hjortdal & Friedrich Kruse	Focus Session Developments in Diagnosis & Treatment in Ocular Allergy Sihem Lazerg & Andrea Leonardi		
16.00	Break		EuCornea AGM	Break
17.00	Focus Session Non-Healing Corneal Ulcers Beatrice Cochener-Lamad & Mario Nubile	Focus Session Management of Complications in Corneal Surgery Harminder Dua & George Kymionis		
18.00	Instructional Course 3 Recognizing Corneal Dystrophies & Degenerations Hans Ulrick-Moeller & Berthold Seitz	ECCTR Registry Jesper Hjortdal, Mor Dickman & Mats Lundström		
19.00	Welcome Reception			

Saturday 14 September

	North 4	West 1	West 2	Auditorium
08.00				
09.00	Free Paper Session 3 Keratitis and Ocular Surface Disease			
10.00	Focus Session Dysfunction of Corneal Homeostasis Marc Labetoulle & Christopher Liu	Instructional Course 5 Suturing and Gluing of Corneal Lesions Harminder Dua & Dalia Said		
11.00	Industry Sponsored Symposia			
	Break			
12.00	Focus Session Ocular Surface Diseases in Paediatric Patients Dominique Bremond-Gignac			
13.00				
14.00	Lunch /Sponsored Symposia			
15.00	Instructional Course 6 Pterygium & Ocular Surface Reconstruction Harminder Dua & Allan Slomovic			ESCRS/EuCornea Joint Symposium Cataract Surgery in Eyes with Diseased Corneas Jesper Hjortdal & Massimo Busin
16.00	Break			
17.00	Instructional Course 4 Complications of Lamellar Surgery José Güell & Rudy Nuijts			
18.00	Instructional Course 7 Special Lenses Dan Epstein & Carina Koppen			

EUCORNEA MEDAL LECTURE

FRIDAY 13 SEPTEMBER

Room: North 4

10.30 – 11.30

Clinical Corneal Research: Why it is Important to Get Involved

Sadeer B. Hannush USA



Sadeer Hannush MD, USA, is Attending Surgeon on the Cornea Service at Wills Eye Hospital and Professor of Ophthalmology at Sidney Kimmel Medical College of Thomas Jefferson University in Philadelphia, USA.

His areas of interest are full and partial thickness corneal transplantation (endothelial and deep anterior lamellar keratoplasty), permanent keratoprosthesis surgery (artificial cornea), complex cataract and anterior segment reconstructive procedures, and laser vision correction. He lectures both in the US and around the world on these topics, and his written work appears across the peer-reviewed literature and ophthalmology texts. Dr. Hannush has given nine named/medal lectures and more than thirty visiting professorships. In 2019 the American Academy of Ophthalmology is awarding him the Life Achievement Award.

Dr Hannush has also taken part in several clinical trials sponsored by the National Institutes of Health. Therefore, he is ideally placed to deliver this year's Medal Lecture titled "Clinical Corneal Research: Why It Is Important to Get Involved". The lecture will draw on his three-decade post-training experience in the areas of cornea and external disease, maintaining a private practice while actively involved in academic medicine.

For Dr Hannush, the answer is simple: "An average ophthalmologist may touch the lives of 40,000 people during the course of a career. If we change practice patterns, on the other hand, we can touch the lives of millions."

His personal journey through clinical corneal research has seen him involved with studies such as 'Prospective Evaluation of Radial Keratotomy', 'Collaborative Corneal Transplantation Studies', 'Herpetic Eye Disease Studies', 'Cornea Donor Study', 'Corneal Preservation Time Study', 'Long-term Survival of Permanent Keratoprosthesis', and the 'Keratoprosthesis Crosslinking Study'.

Each of these studies asked a 'simple', 'high-impact' question that could be answered with a well-defined answer. The key common factor in all of them, according to Dr Hannush, is collaboration, something that is essential to robust and sound clinical research.

FRIDAY 13 SEPTEMBER

Room: North 4

08.30 – 09.00

Free Paper Session 1

Corneal Transplantation and Storage

Moderators: J. Güell *SPAIN*
F. Malecaze *FRANCE*

- 08.30 **S. Patel** *USA*
Scheimpflug tomography to predict the prognosis of eyes with Fuchs endothelial corneal dystrophy.
- 08.36 **K. Colby, D. Lubeck** *USA*
Outcomes of descemet stripping only (DSO) supplemented with a topical rho kinase inhibitor in fuchs endothelial cornea dystrophy (FECD)
- 08.42 **S. Oellerich, L. Ham, K. Van Dijk, L. Frank, S. Ni Dhubhghaill, L. Baydoun, G. Melles** *THE NETHERLANDS*
Risk factors associated with high endothelial cell density decrease after descemet membrane endothelial keratoplasty
- 08.48 **S. Dunker, M. Dickman, R. Wisse, S. Nobacht, R. Wijdh, M. Bartels** *THE NETHERLANDS*
Quality of vision after ultrathin descemet stripping automated endothelial keratoplasty (ut-dsaek) versus descemet membrane endothelial keratoplasty (dmeck): a multicenter randomized controlled clinical trial
- 08.54 **L. Baydoun, S. Oellerich, M. Bruinsma, D. Santander-Garcia, L. Ham, G. Melles** *GERMANY*
Combined specular microscopy and Scheimpflug imaging to improve detection of an upcoming allograft rejection after DMEK
- 09.00 End of session

Room: West 1

08.30 – 09.00

Free Paper Session 2

Keratoconus, CXL and Dystrophies

Moderators: G. Kymionis *SWITZERLAND*
B. Früh *SWITZERLAND*

- 08.30 **C. Cagini, F. Riccitelli, F. Piccinelli, G. Torroni, M. Messina, A. Al Maazmi, H. Dua** *ITALY*
Epi-off-lenticule-on corneal collagen crosslinking in thin keratoconic corneas
- 08.36 **J. Alio del Barrio, D. Chung, O. Al-Shymali, A.J. Aldave** *SPAIN*
Punctiform and polychromatic pre-descemet corneal dystrophy: clinical evaluation and identification of the genetic basis
- 08.42 **T. Seiler, E. Businaro, B. Früh, H.P. Studer** *SWITZERLAND*
Simulating corneal ectasia using FEM and clinical verification
- 08.48 **H. Kandel, K. Pesudovs, A. Ferdi, S. Watson** *AUSTRALIA*
Psychometric properties of the keratoconus outcome research questionnaire: a keratoconus registry study
- 08.54 **I. Toprak, C. Fariselli, J. Alio del Barrio** *SPAIN*
Characteristics of the posterior corneal surface in Down Syndrome patients
- 09.00 End of session

Room: North 4

09.00 – 10.00

Instructional Course 1

New Ideas in Dry Eye Treatment

Moderators: J. Merayo *SPAIN*
M. Rolando *ITALY*

- 09.00 J. Merayo *SPAIN*
Regeneration of the Ocular Surface
- 09.10 J. Benitez del Castillo *SPAIN*
Anti-inflammatory therapy in dry eye
- 09.20 Discussion
- 10.00 End of session

Room: West 1

09.00 – 10.00

Instructional Course 2

Innovations in Corneal Imaging

Moderators: M. Belin *USA*
L. Mastropasqua *ITALY*

- 09.00 M. Belin *USA*
Tomographic Imaging for the detection of keratoconus progression
- 09.10 C. Karp *USA*
Imaging anterior segment tumours: Can we avoid a biopsy?
- 09.20 E. Szalai *HUNGARY*
Confocal Microscopy
- 09.30 M. Busin *ITALY*
Intraoperative OCT: When is it useful, when is it not?
- 09.40 Discussion
- 10.00 End of session

FRIDAY 13 SEPTEMBER

Room: North 4

10.30 – 11.30

Opening Ceremony and EuCornea Medal Lecture

- 10.30 **J. Hjortdal** *DENMARK, PRESIDENT EUCORNEA*
Introduction and Welcome Address
- 10.40 **S. Hannush** *USA*
EuCornea Medal Lecture
- 11.20 **J. Hjortdal** *DENMARK*
Presentation of EuCornea Medal
- 11.25 **J. Hjortdal** *DENMARK*
Best Poster Award
- 11.30 Closing Remarks

Room: North 4

11.30 – 12.45

Focus Session 1

Update on Ectatic Diseases (Joint Session EuCornea & The Cornea Society)

Moderators: **G. Kymionis** *SWITZERLAND*
M. Belin *USA*
J. Gomes *BRAZIL*

- 11.30 **M. Belin** *USA*
Keratoconus: Why it's time we abandon Kmax
- 11.45 **K. Colby** *USA*
Contact lenses for the correction of keratoconus and corneal ectasia
- 12.00 **M. Macsai** *USA*
Management of acute hydrops in keratoconus
- 12.15 **F. Malecaze** *FRANCE*
Advances in cross linking: EPI on cross linking with supplemental oxygen
- 12.30 Discussion
- 12.45 End of session

Room: West 1

11.30 – 12.45

Focus Session 2

Update on Viral Keratitis

Moderators: **F. Larkin** *UK*
C. Eggink *THE NETHERLANDS*

- 11.30 **L. Remeijer** *THE NETHERLANDS*
Medical management of HSV keratitis
- 11.50 **F. Larkin** *UK*
Transplantation in HSV and zoster keratitis
- 12.10 **M. Labetoulle** *FRANCE*
Crisis management in HSV and HZO keratitis
- 12.30 Q&A
- 12.45 End of session

Room: North 4

14.00 – 15.30

Focus Session 3

DSAEK, DMEK and Beyond

Moderators: **J. Hjortdal** *DENMARK*
F. Kruse *GERMANY*

- 14.00 **M. Busin** *ITALY*
Perfecting DSAEK is the overall best option
- 14.12 **M. Dickman** *THE NETHERLANDS*
Results from a European RCT comparing DSAEK and DMEK
- 14.24 **J. Rose-Nussbaumer** *USA*
Results from a US RCT comparing DSAEK and DMEK
- 14.36 **S. Kinoshita** *JAPAN*
Endothelial cell injection is the future
- 14.48 **F. Kruse** *GERMANY*
Transplantation is not always necessary: DWEK and ROCK inhibitor may be the best option
- 15.00 Q&A
- 15.30 End of session

FRIDAY 13 SEPTEMBER

Room: West 1

14.00 – 15.30

Focus Session 4

Developments in Diagnosis and Treatment in Ocular Allergy

Moderators: **S. Lazreg** ALGERIA
A. Leonardi ITALY

- 14.00 **F. Chiambaretta** FRANCE
Conjunctival provocation tests - when, how and why?
- 14.15 **S. Doan** FRANCE
Treatment of severe cases of ocular allergy
- 14.30 **S. Lazreg** ALGERIA
Corneal involvement in severe ocular allergy
- 14.45 **A. Di Zazzo** ITALY
InflammAging in allergic diseases
- 15.00 **A. Leonardi** ITALY
Biomarkers in ocular allergy
- 15.20 Discussion
- 15.30 End of session

Room: North 4

16.00 – 17.30

Focus Session 5

Non-Healing Corneal Ulcers

Moderators: **B. Cochener-Lamard** FRANCE
M. Nubile ITALY

- 16.00 **F. Majo** SWITZERLAND
Physiological bases on corneal trophicity: the place of corneal nerves
- 16.15 **E. Messmer** GERMANY
Diagnose and explore a resistant ulcer: neurotrophic or not
- 16.30 **L. Mastropasqua** ITALY
Hierarchy of medical treatment: from lubricant, to matrix therapy and NGF
- 16.45 **M. Muraine** FRANCE
Interventional strategies: from amniotic membrane grafting, biological glue, to trasorgraphy...and selective neurotomy
- 17.00 **H. Dua** UK
The hopes of corneal-limbic keratoplasty (new supports for the transfer of stem cells)
- 17.15 Discussion
- 17.30 End of session

Room: West 1

16.00 – 17.30

Focus Session 6

Management of Complications in Corneal Surgery

Moderators: H. Dua *UK*
G. Kymionis *SWITZERLAND*

- 16.00 **V. Jhanji** *USA*
Intraoperative and post operative complications of Penetrating Keratoplasty
- 16.15 **S. Jacob** *INDIA*
Anticipating and managing complications of deep anterior lamellar keratoplasty
- 16.30 **T. Katamish** *EGYPT*
Tips, tricks and trips in endothelial keratoplasty
- 16.45 **H. Dua** *UK*
Preventing and managing immunological corneal graft rejection
- 17.00 **S. Yoo** *USA*
Complications of corneal collagen cross linking
- 17.15 Discussion
- 17.30 End of session

Room: North 4

17.30 – 18.30

Instructional Course 3

Recognising Corneal Dystrophies and Degenerations

Moderators: H. Ulrik Moller *DENMARK*
B. Seitz *GERMANY*

- 17.30 **T. Fuchsluger** *GERMANY*
Corneal Degenerations
- 17.42 **H. Ulrik Moller** *DENMARK*
Early presentation in children
- 17.54 **J. Wasielica-Poslednik** *GERMANY*
Paraproteinemic keratopathy (PPK) due to monoclonal gammopathy of undetermined significance (MGUS)
- 18.06 **B. Seitz** *GERMANY*
Do we need corneal imaging for planning PTK?
- 18.18 Discussion
- 18.30 End of session

Room: West 1

17.30 – 18.00

ECCTR Registry

Benefits and Benchmarking

Moderators: J. Hjortdal *DENMARK*
M. Dickman *THE NETHERLANDS*
M. Lundstrom *SWEDEN*

SURGICAL SKILLS TRAINING COURSES

Room: East 1

Host: F. Badala *ITALY*

Instructors: S. Hannush *USA*
M. Dirisamer *AUSTRIA*
F. Kruse *GERMANY*
B. Meghpara *USA*
A. Saad *FRANCE*
C. Sales *USA*
M. Straiko *USA*
T. Tourtas *GERMANY*
P. Veldman *USA*

Course No:	Course Name:	Course Time:	Cost:
01	DMEK Wetlab with Human Corneas	13.30 – 15.30	€150 (plus VAT)
02	DMEK Wetlab with Human Corneas	16.00 – 18.00	€150 (plus VAT)

DMEK Wetlab with Human Corneas

This wetlab provides participants "hands on" training on all the basic steps of DMEK using human corneas.

Attendees will practice under a Microscope DMEK graft preparation, injector loading, tissue delivery and tissue positioning inside an artificial anterior chamber.

The instructors will show graft insertion and positioning techniques, supplemented by short videos to emphasize surgical challenges and how to overcome them leading participants to fewer complications and a greatly shortened learning curve.

Room: North 4

08.00 – 08.30

Free Paper Session 3

Keratitis and Ocular Surface Disease

Moderators: P. Rama *ITALY*
M. Labetoulle *FRANCE*

- 08.00 **C. Cagini, M. Mariniello, M. Messina, M. Lupidi, A. Cerquaglia, T. Fiore** *ITALY*
Treatment of adenoviral conjunctivitis with ozonized oil eye drops and a combination of tobramycin/dexamethasone eye drops: a randomized clinical trial
- 08.06 **A. Raghavan, S. Baidwal, N. Venkatapathy, R. Rammohan** *INDIA*
Co-infections in acanthamoeba keratitis - the hidden story
- 08.12 **C. Malhotra, H. Yadav, A. Jain, A. Gupta, J. Ram** *INDIA*
2% Topical rebamipide versus 0.03% tacrolimus ointment in managing moderate to severe vernal keratoconjunctivitis
- 08.18 **E. Pedrotti, T. Cozzini, T. Merz, J. Bonetto, E. Bonacci, G. Caldarella, G. Marchini** *ITALY*
In vivo confocal microscopy patterns of corneal surface after simple limbal epithelial transplantation
- 08.24 **T. Cozzini, E. Pedrotti, J. Bonetto, T. Merz, C. Piona, C. Maffei, G. Marchini** *ITALY*
Early signs of neurological damage identified by in vivo corneal confocal microscopy in teenagers affected by type 1 diabetes
- 08.30 End of session

Room: North 4

08.30 – 10.00

Focus Session 8

Dysfunction of Corneal Homeostasis

Moderators: C. Liu *UK*
M. Labetoulle *FRANCE*

- 08.30 **A. Rousseau** *FRANCE*
How aging involves the structure and the function of the cornea?
- 08.45 **M. Elalfy** *UK*
Systemic medication injuring the cornea
- 09.00 **M. Zarei-Ghanavati** *IRAN*
Cicatrizing diseases: how to protect the cornea
- 09.15 **B. Cochener-Lamard** *FRANCE*
Corneal consequences of refractive surgery (PRK vs LASIK vs SMILE)
- 09.30 **C. Liu** *UK*
Keratoprotheses: the pros and cons
- 09.45 Discussion
- 10.00 End of session

SATURDAY 14 SEPTEMBER

Room: West 1

09.00 – 10.00

Instructional Course 5

Suturing and Gluing of Corneal Lesions

Moderators: **H. Dua** *UK*
D. Said *UK*

- 10.30 **H. Dua** *UK*
Suturing corneal lacerations
- 10.50 **V. Jhanji** *USA*
Cyanoacrylate glue
- 11.10 **D. Said** *UK*
Fibrin glue
- 11.25 Discussion and Comments
- 11.30 End of session

Room: North 4

11.30 – 12.45

Focus Session 7

Ocular Surface Diseases in Paediatric Patients

Moderator: **D. Bremond-Gignac** *FRANCE*

- 11.30 **D. Bremond-Gignac** *FRANCE*
Update in ciclosporine in vernal keratoconjunctivitis
- 11.45 **S. Lazreg** *ALGERIA*
Large cohort of vernal keratoconjunctivitis, personal experience
- 12.00 **P. Nucci** *ITALY*
Imaging in vernal keratoconjunctivitis in children
- 12.15 **F. Chiambaretta** *FRANCE*
Atopic keratoconjunctivitis in children
- 12.30 Clinical cases and discussion with the panel
- 12.45 End of session

Room: North 4

14.00 – 15.30

Instructional Course 6

Pterygium and Ocular Surface Reconstruction

Moderators: **H. Dua** *UK*
A. Slomovic *CANADA*

- 14.00 **H. Dua** *UK*
Sequential sector conjunctival epitheliectomy (SSCE) and amnion assisted conjunctival epithelial re-direction (ACER)
- 14.13 **A. Slomovic** *CANADA*
Current management of primary and recurrent pterygium
- 14.26 **S. Holland** *CANADA*
Evaluating the ocular surface for surgery
- 14.39 **D. Said** *UK*
Limbal transplantation: Autograft (CLAU), Allografts (Ir-CLAU and KLAL), Simple limbal transplant (SLET) and ACLSCT (Autologous Cultivated Limbal Stem Cell Transplantation)
- 14.52 **J. Güell** *SPAIN*
The amniotic membrane in ocular surface reconstruction
- 15.05 **C. Karp** *USA*
Ocular surface neoplasia - chemical and surgical reconstruction
- 15.18 Discussion
- 15.30 End of session

Auditorium

14.00 – 16.00

ESCRS/EuCornea Joint Symposium

Cataract Surgery in Eyes with Diseased Corneas

Moderators: **M. Busin** *ITALY (ESCRS)*
J. Hjortdal *DENMARK (EUCORNEA)*

- 14.00 **B. Bachmann** *GERMANY*
Performing cataract surgery with an opaque cornea: overcoming poor visualization
- 14.15 **V. Scorcio** *ITALY*
Opting for cataract extraction alone, despite endothelial pathology
- 14.30 Discussion
- 14.40 **V. Borderie** *FRANCE*
DALK with cataract surgery: a sensible approach?
- 14.55 **F. Larkin** *UK*
DSAEK or DMEK: which to combine with cataract surgery in the diseased cornea?
- 15.10 Discussion
- 15.20 **B. Seitz** *GERMANY*
When PK is still preferable to endothelial keratoplasty
- 15.35 **T. Olsen** *DENMARK*
IOL calculations in the pathological cornea
- 15.50 Discussion
- 16.00 End of session

SATURDAY 14 SEPTEMBER

Room: North 4

16.00 – 17.00

Instructional Course 4

Complications of Lamellar Surgery

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

- 16.00 **V. de Rojas** *SPAIN*
DALK type two bubble, now what?
- 16.07 **J. Alvarez de Toledo** *SPAIN*
Epithelial downgrowth after posterior lamellar keratoplasty
- 16.14 **K. Colby** *USA*
Red eye one month after uncomplicated EK
- 16.21 **C. Cursiefen** *GERMANY*
Complicated Lamellar Surgery
- 16.28 **L. Fontana** *ITALY*
Management of post-keratoplasty corneal ectasia
- 16.35 **S. Kinoshita** *JAPAN*
Foreign body deposit after automated lamellar therapeutic keratoplasty
- 16.42 Discussion
- 17.00 End of session

Room: North 4

17.00 – 18.00

Instructional Course 7

Special Lenses

Moderators: C. Koppen *BELGIUM*
D. Epstein *SWITZERLAND*

- 17.00 **I. Leysen** *BELGIUM*
Current options in prosthetic contact lenses
- 17.15 **A. McElvanney** *UK*
The role of bandage lenses in ocular surface disease
- 17.30 **D. Jacobs** *USA*
Scleral lenses for severe dry eyes
- 17.45 **C. Koppen** *BELGIUM*
Scleral lens: from early cones to end stage ectasia
- 17.55 Discussion
- 18.00 End of session



Poster Village



European Society of Cornea and
Ocular Surface Disease Specialists

LEVEL 7.3

Poster Pods 1 and 2

Both Poster Sessions will Take Place on Friday at 3pm

FRIDAY 13 SEPTEMBER

INTERACTIVE

Presented Posters

15.00 – 16.00

Poster Village: Pod 1

Session 1

Moderator: **B. Allan** *UK*

- | | | | |
|-------|---|-------|---|
| 15.00 | P. Skalicka <i>CZECH REPUBLIC</i>
Finnish gelsolin amyloidosis in the Czech population; ocular and systemic features | 15.35 | J. Behaegel <i>BELGIUM</i>
Open - source grading system for limbal stem cell deficiency |
| 15.05 | M. Al-Aqaba <i>UK</i>
In vivo confocal microscopy features and clinico-histological correlation of limbal nerve corpuscles | 15.40 | E. Atalay <i>TURKEY</i>
The outcome of limbal stem cell transplantations in patients with limbal stem cell deficiency |
| 15.10 | L. Daniel Ponniah <i>INDIA</i>
A comparative trial on cross linking of donor corneas to resist infections and melts in Boston type 1 keratoprosthesis | 15.45 | N. Telnius <i>DENMARK</i>
Scheimpflug imaging of the Danish cohort of patients with Wilson's disease |
| 15.15 | S. Papanyan <i>RUSSIA</i>
Descemetorhexis combined with accelerated corneal collagen cross-linking in patients with fuchs endothelial dystrophy and CTG trinucleotide repeat expansion in TCF4 gene | 15.50 | F. Chiambaretta <i>FRANCE</i>
Efficacy of a topical ReGeneraTing Agent (RGTA®) on ocular surface discomfort in patients with Cogan's epithelial basement membrane dystrophy |
| 15.20 | M. Uddaraju <i>INDIA</i>
Therapeutic keratoplasty – challenges & recommendations for better outcomes | 15.55 | L. Daniel Ponniah <i>INDIA</i>
A novel in situ sustained release drug delivery system for infective keratitis |
| 15.25 | M. Vanathi <i>INDIA</i>
Evaluation of Thrombospondin – 1 gene polymorphisms in corneal allograft rejection in Asian Indian patients | 16.00 | End of session |
| 15.30 | M. Labetoulle <i>FRANCE</i>
Up-regulating autophagy with trehalose: a contribution to osmoprotective properties? | | |

Join the presenters at the Poster Village to discuss their posters.

INTERACTIVE

Presented Posters

15.00 – 16.00

Poster Village: Pod 2

Session 2

Moderator: C. Koppen *BELGIUM*

- | | | | |
|-------|---|-------|---|
| 15.00 | A. Vega Estrada <i>SPAIN</i>
Epithelial thickness in keratoconus patients and its relation with the visual acuity | 15.30 | 15.30 K. Yuya <i>JAPAN</i>
Association of trinucleotide repeat expansion in TCF4 with the severity of Fuchs endothelial corneal dystrophy |
| 15.05 | J. Reddy <i>INDIA</i>
Early detection of corneal ectasia: a different approach | 15.35 | 15.35 B. Berisha <i>AUSTRIA</i>
Comparison of the non-invasive break-up time assessed with a keratograph to the conventional fluorescein break-up time |
| 15.10 | R. Arora <i>INDIA</i>
DALK (Deep Anterior Lamellar Keratoplasty) in keratoconus with healed hydrops in children | 15.40 | 15.40 J. Reddy <i>INDIA</i>
Magnitude of change in corneal and refractive astigmatism with suture removal after penetrating keratoplasty |
| 15.15 | S. Den <i>JAPAN</i>
Three-year follow-up of canalicular occlusion with excision of the horizontal canaliculus in severe aqueous deficient dry eye and histopathological findings of excised canaliculus | 15.45 | 15.45 O. Ozalp <i>TURKEY</i>
Microbial contamination and influencing factors in corneal donor conjunctiva swab culture |
| 15.20 | T. Gaidamaka <i>UKRAINE</i>
Changing of the eye surface at different duration of soft contact lenses use in patients with mild and moderate myopia | 15.50 | 15.50 T. Garcin <i>FRANCE</i>
Impact of a proposal to modify the death-to-procurement time based on body refrigeration on quantity, safety and cellular quality of corneal grafts: 4 years of 6 centers activity reviewed |
| 15.25 | O. Ozalp <i>TURKEY</i>
The results of Ex-PRESS mini glaucoma shunt and Ahmed glaucoma valve in post-penetrating keratoplasty glaucoma | 15.55 | 15.55 Discussion |
| | | 16.00 | 16.00 End of session |

Join the presenters at the Poster Village to discuss their posters.



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Basic Science

M. Al-Aqaba, H. Dua *UK*

Involvement of corneal nerves in the pathogenesis and progression of keratoconus

M. Balgos, J. Alio del Barrio *SPAIN*

Nd:yag laser for epithelial ingrowth after small incision lenticule extraction (SMILE)

T. Garcin *FRANCE*

Cornea donation for research versus for transplantation: a year prospective study of acceptance rates in a French University Hospital

T. Garcin, J. Pugnet, T. Peyragrosse, F. Rogues, S. Acquart, G. Thuret, P. Gain *FRANCE*

Fresh cornea donation for research versus for transplantation: a one-year prospective study of acceptance rates in a French University Hospital

I. Hirofumi, N. Okumura, H. Kobayashi, K. Takakubo, T. Kurosawa K. Fukushima N. Koizumi *JAPAN*

Feasibility of storage of cultured corneal endothelial cells as a form of cell suspension for cell-based therapy of corneal endothelial decompensation

M. Mimouni, W. Nasser, S. Nagosa, C. Missero, C. Willoughby, R. Shalom-Feuerstein *ISRAEL*

P63 plays a key role in corneal development, homeostasis and disease

Z. Orosz, H. Bárdos, B. Nagy, J. Kappelmayer, A. Facskó, L. Muszbek *HUNGARY*

Presence and function of transglutaminases in human cornea

K. Shih, S. Kwok, A. Lo, J. Chan, F. Wong, V. Jhanji, L. Tong *HONG KONG*

Lycium barbarum polysaccharide solution as a novel therapeutic agent in the prevention of cornea scarring

K. Yuya, N. Okumura, J. Weller, M. Nakano, K. Tashiro, K. Yoshii, R. Aleff *JAPAN*

Association of trinucleotide repeat expansion length in TCF4 with the severity of Fuchs Endothelial Corneal Dystrophy

Corneal Transplantation and Keratoprosthesis

E. Abdullayev, B. Lambricht, A. Kurz *USA*

New injector for delivering of the eye bank prepared, prestained, premarked, prepunched, preloaded DMEK and PDEK grafts and designed for the small 2.0mm incision

J. Alio del Barrio, M. Bhogal, A. Montesel, V. Ho *SPAIN*

Descemet membrane endothelial keratoplasty under failed penetrating keratoplasty without host descemetorrhesis for the management of secondary graft failure

A. Ansari, K. Lin Tu *UK*

'Extreme DALK', deep anterior lamellar keratoplasty for a perforated cornea

S. Bagheri, K. Jadidi, F. Nejat, H. Aghamollaei *IRAN*

Evaluation of graft survival and corneal clarity after LKP in patients suffering from Delayed-onset Mustard Gas Keratopathy with stem cell deficiency; 3 years follow-up

P. Baptista, R. Ambrósio Jr. *PORTUGAL*

Topical ripasudil treatment improve corneal endothelial function – case series report

O. Buznyk, S. Iakymenko *SWEDEN*

Mastering filatov institute keratoprosthesis: outcomes from the first 20 patients

J. Cabrerizo Nunez, M. Alberti, I. Potapenko *DENMARK*

Evaluation of the use of intraoperative triamcinolone in descemet membrane endothelial keratoplasty

A. Covello, D. Lin, S. Holland, S. Arba Mosquera, V. Shwetabh, J. Hodgen, M. Al Obthani *CANADA*

Topography-guided photorefractive keratectomy for correction of irregular astigmatism following penetrating keratoplasty

L. Daniel Ponniah, M. Ali *INDIA*

Femto assisted Intra-corneal stromal addition followed by residual refractive correction in lens plane reverses advanced keratoconus; A novel concept

I. Dapena, L. Ham, R. Birbal, S. Ni Dhubhghaill, S. Oellerich, G. Melles *THE NETHERLANDS*

Five-year clinical outcome after Descemet membrane endothelial keratoplasty (DMEK): Results of the first 500 consecutive cases

D. Dibina *RUSSIA*

Severe superficial calcific corneal deposits following pseudophakic keratopathy in a patient with multiple myeloma

M. Dickman, J. Armitrage, M. Armitrage, J. Hjortdal, R. Johnson, R. Nuijts, M. Lundstrom *THE NETHERLANDS*

Practice patterns and outcomes of corneal transplantations in Europe: First report from the European Cornea and Cell Transplantation Registry (ECCTR)

M. Dickman, S. Dunker, S. Tang, B. Winkens, R. Nuijts *THE NETHERLANDS*

Practice patterns and long-term outcomes of corneal transplantation for infectious keratitis: A Dutch registry study

D. Dragnea, L. Ham, L. Baydoun, R. Birbal, I. Dapena, S. Oellerich, G. Melles *ROMANIA*

Clinical outcome of quarter-descemet membrane endothelial keratoplasty (Quarter-DMEK) for Fuchs endothelial corneal dystrophy up to two years postoperatively

E. Fernandez Lopez, A. Lanzagorta Aresti, J. Davó Cabrera, E. Alfonso Muñoz, S. Montolio Marzo, J. Piá Ludeña *SPAIN*

Novel technique to facilitate DMEK in eyes with glaucoma drainage devices

T. Garcin, E. Couzet, A. Gauthier, P. Herebepin, C. Perrache, Z. He, G. Thuret *FRANCE*

A corneal active storage machine allows to extend corneas delivery for up to 3 months

M. Haagdorens, I. Pintelon, T. Shtein, V. Cepla, M. Griffith, C. Koppen, M. Tassignon *BELGIUM*

Recombinant human collagen type I hydrogels as superior cell carriers for corneal epithelial stem cells and corneal transplantation

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Descemet's membrane endothelial keratoplasty for complex eyes: a case series

J. Kakadia, R. Shah *INDIA*

Chemical keratoplasty by using rho-kinase inhibitor as eye drops

I. Mallias, P. Petrakogianni *GREECE*

Can a cornea remain clear with two simultaneous DSAEK corneal grafts one on top of the other?

N. Moura-Coelho, N. Amich, J. Güell *PORTUGAL*

Clinical results of repeat descemet membrane endothelial keratoplasty from a referral center in *SPAIN*

M. Muraine, C. Badatchef, D. Toubeau, J. Gueudry *FRANCE*

Central guttata recurrence after DMEK for Fuchs dystrophy

P. Nangia, R. Rajagopal, N. Narayanan *INDIA*

Outcomes of descemet's stripping endothelial keratoplasty (DSEK) in eyes with iridocorneal endothelial (ICE) syndrome

O. Oganessian, A. Grdikanyan, V. Getadaryan, P. Makarov, C. Oganessian *RUSSIA*

New technique of Descemet's membrane endothelial keratoplasty for eyes with glaucoma drainage device aqueous shunts

A. Orive, J. Etxebarria *SPAIN*

Management and prophylaxis of new onset glaucoma after Boston keratoprosthesis type ii

S. Palioura, F. Vingopoulos, N. Likht, C. Piedra, S. Dubovy, C. Karp *GREECE*

Endothelial cell loss in cornea grafts from donors who sustained airbag injury or gunshot wound to the head

E. Pedrotti, J. Bonetto, T. Cozzini, E. Bonacci, G. Caldarella, A. Galzignato, G. Marchini *ITALY*

Mushroom-shaped femtolaser-assisted deep anterior lamellar keratoplasty: an ex vivo feasibility study

A. Saad, S. Awwad, C. Panthier, A. El Salloukh, D. Gatinel *FRANCE*

How to Make DMEK Feasible and Reproducible in Vitrectomized Eyes?

P. Studeny, Y. Klimesova, M. Netukova *CZECH REPUBLIC*

Comparison of clinical outcomes of the last PDEK with the first DMEK

G. Thuret, M. Trone, E. Crouzet, T. Garcin, S. Poinard, A. Gauthier, P. Gain *FRANCE*

Dropless penetrating keratoplasty: immunosuppression by a subconjunctival dexamethasone implant, pilot tolerance and safety study

M. Tsatsos, R. Naga, N. Ziakas, S. Jacob *GREECE*

Age matters for PDEK

K. Tu *UK*

To mark or not to mark – the descemet's membrane graft

A. Tzamalís, R. Vinciguerra, V. Romano, G. Wojcik, S. Ferrari, N. Ziakas, S. Kaye *GREECE*

The Yogurt technique for DMEK graft harvesting: preliminary results

M. Uddaraju *INDIA*

Our experience with Auro KPRO (Boston Type 1 design) – lessons learnt

V. Vargas Fragoso, J. Alio del Barrio *SPAIN*

Femtosecond laser-assisted deep lamellar descemet membrane endothelial keratoplasty for the treatment of corneal endothelial dysfunction associated with posterior stromal scarring

A. Vasquez Perez, V. Kit, S. Tuft *UK*

Spontaneous total descemets membrane detachment 9 years following penetrating keratoplasty for keratoconus

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Comparison of deep anterior lamellar keratoplasty techniques: blunt scissors stromal dissection vs big-bubble

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A new approach for preventing corneal astigmatism at penetrating keratoplasty

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S. Belghmaidi, B. Soumia, H. Ibtissam, M. Abdeljalil *MOROCCO*

The interest of OCT-AS in monitoring amniotic membrane transplantation

J. Betkova *CZECH REPUBLIC*

Paraproteinemic keratopathy as a sign of lymphoproliferative disease

M. Bhogal *UK*

Long-term, in-vivo, live-endothelial-cell imaging shows histology-level resolution

Á. Füst, J. Tóth, L. Imre, Z. Nagy *HUNGARY*

Non-malignant conjunctival epithelial masses with ocular surface squamous neoplasia-like ocular coherence tomography features

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S. Porto, P. Marticorena Álvarez, P. Escribano López, G. Garrido Ceca, A. Jiménez Ortiz,

D. Celdrán Vivancos *SPAIN*

Iris microhaemangiomas: a case report

I. Potapenko, M. Alberti, M. La Cour, J. Cabrerizo *DENMARK*

Assessment of anterior chamber inflammation by objective anterior SS-OCT image analysis

I. Toprak, A. Vega-Estrada, E. Esplá-Almodóvar, J. Alió *TURKEY*

Corneal epithelium to stroma thickness ratio in patients with grade 0 keratoconus according to the visual limitation system

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- H. Alrabiah, N. Alsaleem, F. Aljassar, A. Almassry, M. Alagouz, G. Alhamdan, J. Alio** *KUWAIT*
Epidemic outbreak of severe mixed infectious keratitis following small incision lenticule extraction at a refractive center in Kuwait
- N. Ardjomand, L. Daas, J. Walochnik, K. Kaiser, M. Anticic, B. Seitz, Y. El-Shabrawi** *AUSTRIA*
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- M. Cabrera Aguas, Y. Kerdraon, S. Watson** *AUSTRALIA*
Diagnosis using polymerase chain reaction and outcomes in herpes simplex keratitis
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Central corneal thickness and endothelial parameters in type 2 diabetes
- M. Mozo Cuadrado, A. Orive Bañuelos, J. Etxebarria Ecenarro** *SPAIN*
Vernal keratoconjunctivitis successfully treated with Omalizumab
- R. Mukhija, N. Gupta, M. Vanathi, R. Tandon, S. Kashyap** *INDIA*
A case of isolated corneal acremonium eumycetoma: case report and literature review
- R. Natarajan** *INDIA*
Outcome of corneal perforations secondary to infective etiology
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A 10-year analysis of microbiological profile of infectious keratitis
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Clinical and microbiological profile of eyes collected from multiorgan donors in a tertiary care centre - Can they be used?
- J. Sanchez Canizal, M. Franco Benito, P. Carlos, G. Irene, M. Amancia, M. Laura, C. Felipe** *SPAIN*
Typical keratitis of an atypical microorganism, *Nocardia farcinica*
- O. Selver, I. Karaca, M. Palamar, S. Egrilmez** *TURKEY*
Chronically retained feathery chestnut-burr spine related corneal injury: clinical features and outcome

- M. Uddaraju** *INDIA*
Tacrolimus 0.1% as an alternative to Loteprednol 0.5% in the management of Nummular keratitis – a Pilot Study in 100 cases
- A. Vasquez Perez, N. Din, E. Daniel, S. Tuft** *UK*
Serious corneal complications from underdiagnosed floppy eyelid syndrome
- A. Verma, A. Chauhan, R. Tuli** *INDIA*
Glue less & suture less pterygium surgery

Keratoconus and Collagen Cross-Linking

- M. Ahad, M. Al Amro, A. Al Qarni, S. Al Swailem** *SAUDI ARABIA*
Risk of microbial keratitis following corneal collagen crosslinking
- P. Baptista, R. Freitas, R. Ambrósio Jr.** *PORTUGAL*
Asymmetric keratoconus: a case-report
- P. Baptista, T. Mazzeo, R. Ambrósio Jr.** *PORTUGAL*
Tomographic and biomechanical corneal analysis in ring segments implantation for keratoconus
- A. Cunha, A. Cunha, T. Gouveia, L. Torrão, R. Moreira, F. Falcão-Reis, J. Pinheiro-Costa** *PORTUGAL*
Transepithelial accelerated corneal collagen crosslinking: two years results
- J. De Jesus, I. Martins de Almeida, R. Staudt-Geraldes, R. Laiginhas, M. Matias, J. Chibante-Pedro** *PORTUGAL*
Intracorneal ring segment implantation for keratoconus with duck-like phenotype
- S. Watson, V. Nguyen, J. Tan, Y. Kerdraon, H. Kandel, J. Males, N. Morlet** *AUSTRALIA*
Keratoconus natural progression: a report from 538 eyes from the save sight keratoconus registry (SSKR)
- V. Getadaryan, O. Oganesyan, A. Grdikanyan, P. Makarov, C. Oganesyan** *RUSSIA*
Descemet membrane transplantation into the stromal pocket in patients with keratoconus
- S. Holland, D. Lin, A. Covello, S. Arba Mosquera, V. Shwetabh, J. Hodgen, M. Al Obthani** *CANADA*
Topography-guided photorefractive keratectomy and collagen cross-linking for post-lasik ectasia
- D. Lin, S. Holland, A. Covello, S. Arba Mosquera, V. Shwetabh, J. Hodgen, M. Al Obthani** *CANADA*
Two year outcome of topography-guided photorefractive keratectomy with collagen cross-linking for keratoconus
- P. Padmanabhan S. Rachapalle Reddi V. Padmanaban** *INDIA*
Unusual corneal flattening following collagen cross linking for keratoconus – overtreatment or over-response?
- J. Reddy, K. Dhara, H. Rengarajan** *INDIA*
Early detection of keratoconus progression with deep learning on tomography images

ePOSTER PRESENTATIONS

L. Troychenko, G. Drozhzhyna *UKRAINE*

Long-term results of the accelerated cornea collagen crosslinking in keratoconus

D. Viswanathan, J. Males *AUSTRALIA*

Longitudinal comparison between clinical outcomes of conventional and accelerated collagen crosslinking for progressive keratoconus

D. Viswanathan, J. Males *AUSTRALIA*

Long term topographic, densitometric and clinical outcomes of accelerated collagen crosslinking for progressive keratoconus

Lens and Corneal Refractive Surgery: Corneal Complications

A. Anbari, M. Al Dreihy, H. Alfhaily, T. Hickman Casey *USA*

Endothelial cell loss after iris-claw toric phakic intraocular lens implantation for correction of high astigmatism after deep anterior lamellar keratoplasty. Two cases with five years follow-up

E. Fernandez Lopez, R. Araújo Miranda,

C. Peris Martínez *SPAIN*

Spontaneous corneal melt after uneventful cataract surgery

A. Jain, G. Gupta, C. Malhotra, M. Bansal *INDIA*

Refractive outcome of intraoperative aberrometry in predicting intraocular lens power in short eyes and comparing it with optical biometry

M. Mimouni, O. Daphna *ISRAEL*

Hyperosmotic contact lens versus standard bandage contact lens for corneal edema

S. Reddi Rachapalle, P. Padmanabhan, F. Begum *INDIA*

Long term outcome of Collagen cross linking in eyes with post-lasik ectasia

S. Reddi Rachapalle, P. Padmanabhan, V. Natrajan *INDIA*

Comparison of longterm outcome of Collagen crosslinking between pediatric and adult patients with progressive keratoconus

Ocular Surface and Tear Film

R. Arora, P. Dokania, V. Kumar Jha, S. Viswanath *INDIA*

Comparison of SLET (simple limbal epithelial transplantation) with CLAU (conjunctival limbal autograft) in unilateral chronic ocular burns

M. Dias, C. Oliveira-Ferreira, V. Fernandes, P. Freitas-Costa, J. Macedo, F. Falcão-Reis *PORTUGAL*

A bulky posttraumatic iris cyst: a case report

A. Liaska, E. Makri, K. Andrianopoulou, D. Mitsiou, S. Stamelou *GREECE*

Effect of multiple postoperative five fluorouracil injections in recurrent pterygium-case report

C. Malhotra, H. Yadav, A. Jain, A. Gupta, J. Ram *INDIA*

Topical rebamipide as 'add on' therapy for vernal keratoconjunctivitis

P. Moawad, O. El Zawahry, G. Ragab, D. Hossam, R. Shamma *EGYPT*

A comparative study between the effect of topical application of Tacrolimus 0.03% (FK506) eye drops versus Cyclosporine 0.05% eye drops in the treatment of dry eye in Secondary Sjögren Syndrome

M. Palamar, H. Onay, S. Kalkan Ucar, E. Sozmen,

M. Coker *TURKEY*

Fabry disease - without cornea verticillata - diagnosed upon ophthalmic examination

S. Palioura, T. Filippopoulos *GREECE*

Implantation of a glaucoma drainage device combined with simple limbal epithelial transplantation in a monocular patient with poorly controlled glaucoma and limbal stem cell deficiency

A. Rodriguez, O. Al-Shymali, M. Rosello-Martinez, J. Alio *SPAIN*

EYE-LIGHT® technology for the management of Meibomian Gland Dysfunction (MGD)

M. Romero Sanz, A. Blasco Martinez, D. Soriano Pina,

A. Mateo Orobía, M. Idoipe Corta,

A. Sánchez Pérez-Borbujo *SPAIN*

Keratometric variability in patients with dry eye disease and hyperosmolarity of the tear film

R. Soares, C. Arêde, F. Neves, J. Braga, J. Fernandes, J. Sequeira *PORTUGAL*

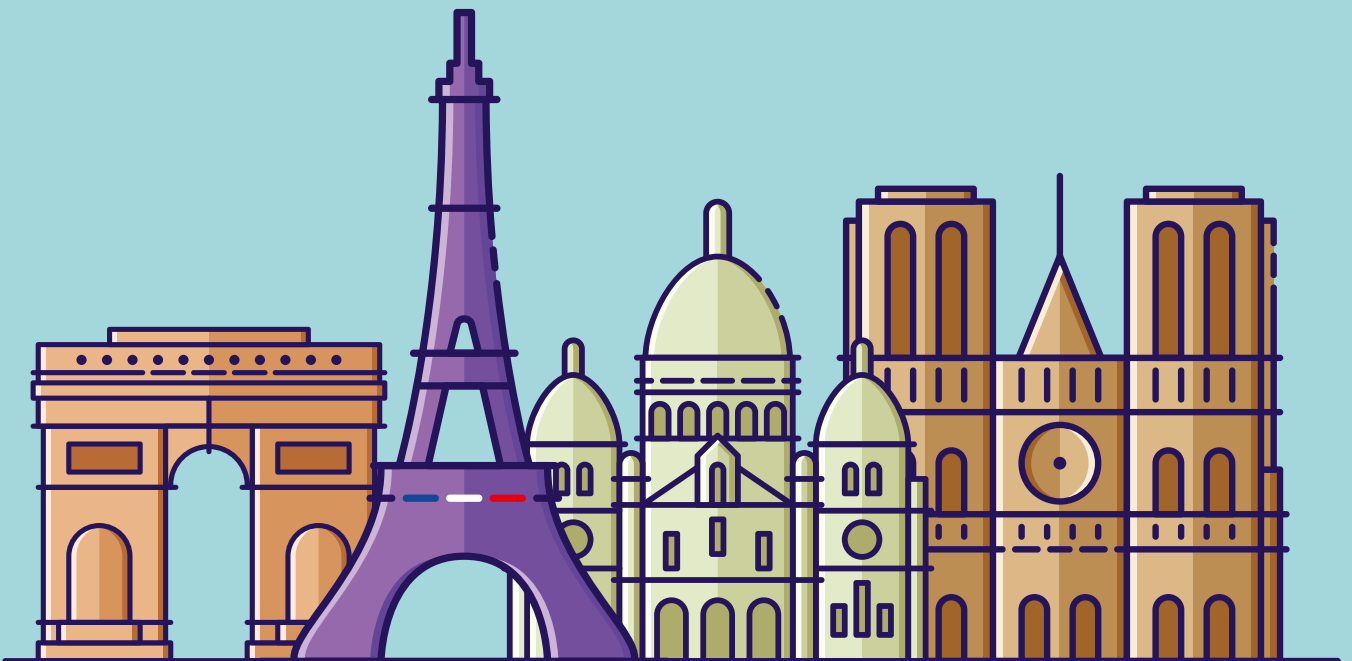
Topical insulin - possible new treatment for refractory neurotrophic ulcers?

M. Uddaraju *INDIA*

Simple limbal epithelial transplantation (SLET) – cure from within

Paris 2019

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GENERAL INFORMATION

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Location: Level 7.1

Thursday 12 September	14.00 – 19.00
Friday 13 September	07.00 – 18.30
Saturday 14 September	07.00 – 18.30

Speaker Check-In Room

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Thursday 12 September	14.00 – 19.00
Friday 13 September	07.00 – 18.00
Saturday 14 September	07.00 – 18.00

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Location: West 2

Friday 13 September 15.45

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KUONI HOTEL DESK

Location: Registration: Level 7.1

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The official language of the congress is English

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Location: Foyer North 4

Friday 13 September 18.30

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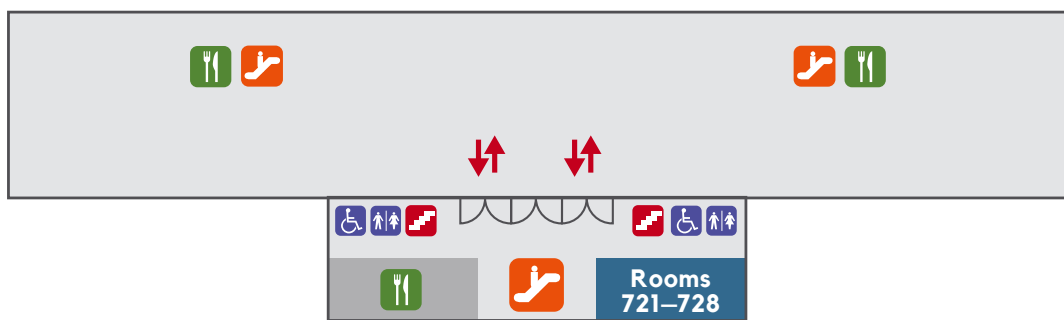
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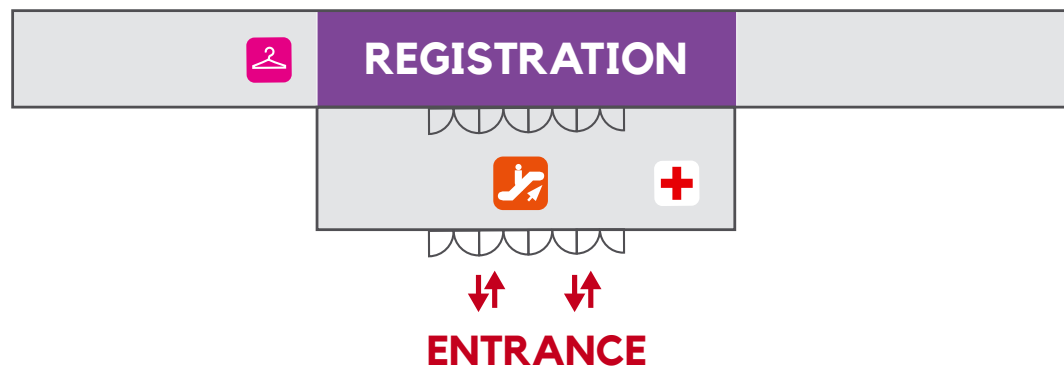
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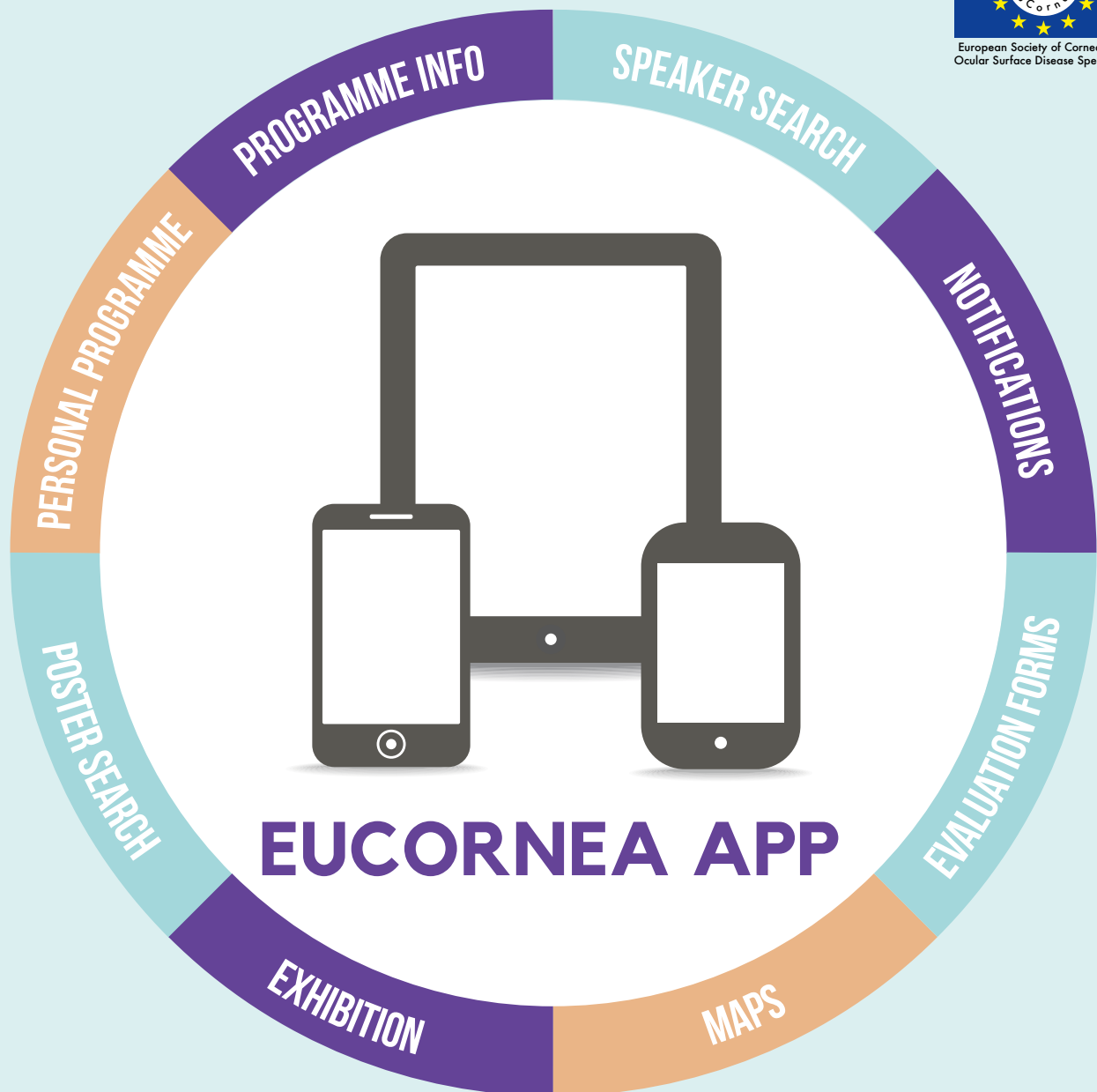
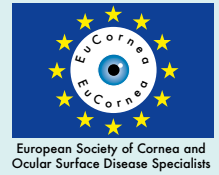
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Limbal Stem Cells Deficiency due to Ocular Burns: The Patient's Journey

Moderator: **F. Figueiredo** UK

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Room: North 4

10.00 – 11.00



Approaches to the Diagnosis and Management of Important Corneal Disorders in the Cataract and Refractive Patient

Moderator: **B. Cochener-Lamard** FRANCE

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Room: North 4

13.00 – 14.00



Ocular Surface Disease Diagnosis and Management: Special Focus on the Lipid Layer

Moderators: **B. Cochener-Lamard** FRANCE
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