



European Society of Cornea and
Ocular Surface Disease Specialists

9TH EU CORNEA CONGRESS VIENNA 2018

21 – 22 SEPTEMBER

PROGRAMME

10th EuCornea Congress

Paris 2019

13 – 14 September 2019 | Paris Expo Porte de Versailles



European Society of Cornea and
Ocular Surface Disease Specialists



www.eucornea.org

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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 Vienna for the 9th 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, five Instructional Courses, four Free Paper Sessions and two Presented Poster Sessions.

The EuCornea Medal Lecture will be given during the Opening Ceremony on Friday at 14.00. This year, this esteemed lecture will be presented by Carlos Belmonte on the topic of 'Neural basis of eye surface sensation. From dryness to pain'.

EuCornea is delighted to be once again partnering its annual meeting with the 36th Congress of the ESCRS, the 18th EURETINA Congress and the WSPOS Sub-Specialty Day. As part of this collaboration, a combined EuCornea/ ESCRS Symposium will take place on Saturday on the topic of 'Corneal Cross- Linking: Current Status and Future Perspectives'.

Finally I would like to thank all organisers and speakers for their invaluable role in creating such a high caliber scientific programme for the 9th Congress.

I am privileged to have been president of EuCornea for the past two years and would like to take this opportunity to thank you all for participating in my final EuCornea Congress as President. It has been rewarding to see the EuCornea Congress develop over the past few years. I look forward to seeing the society grow in the future

I wish you a successful and rewarding Congress and hope that you enjoy your stay here in Vienna.

A handwritten signature in black ink, reading 'F. Kruse'. The signature is fluid and cursive, with a large initial 'F'.

Friedrich Kruse
President, EuCornea

Programme Overview

Friday 21 September

	Room A6	Room A7
08.00		
09.00	P. 6 <i>Free Paper Session</i> Infections & Inflammation	P. 6 <i>Free Paper Session</i> Corneal Transplantations
10.00	P. 7 <i>Focus Session</i> Update on Fungal Keratitis Beatrice Früh & Ulf Stenevi	P. 7 <i>Instructional Course 1</i> More Difficult Cases in Lamellar Surgery Jose Güell & Rudy Nujits
11.00	Break	Break
12.00	P. 8 <i>Focus Session</i> Glaucoma and Ocular Surface Dan Epstein & Florent Aptel	P. 8 <i>Instructional Course 2</i> From Topography to Tomography Béatrice Cochener
13.00	Lunch Break	
14.00		
15.00	P. 9 <i>Opening Ceremony</i> Carlos Belmonte – EuCornea Lecture	P. 10 <i>Instructional Course 4</i> Update on the Management of Tumors of the Ocular Surface Paolo Rama
16.00	Break	Break
17.00	P. 10 <i>Focus Session</i> Fighting Against Ocular Surface Inflammation Marc Labetoulle & Harminder Dua	P. 11 <i>Free Paper Session</i> Corneal Transplantation 2
18.00	P. 12 <i>Focus Session</i> Management of Keratoconus George Kymionis & Bruce Allan	P. 11 <i>Instructional Course 5</i> New Advances in Keratoprothesis Jose de la Cruz & Christopher Liu
19.00	Welcome Reception	P. 12 <i>Instructional Course 6</i> Therapeutic Uses of Contact Lenses in Ocular Surface Disease Carina Koppen

Saturday 22 September

	Room A6	Hall A1
08.00		
09.00	P. 12 <i>Focus Session</i> What is beyond DEWS François Malecaze & Béatrice Cochener	
10.00	Break	
11.00		
12.00		P. 13 <i>ESCRS/EUCORNEA Joint Session</i> Corneal Cross-Linking: Current Status and Future Perspectives Roberto Bellucci (ESCRS) & Jesper Hjortdal (EUCORNEA)
13.00	Lunch Break	
14.00		
15.00	P. 13 <i>Focus Session</i> Challenging Cases – Commented by the Experts José Güell & Sadeer Hannush	
16.00	Break	
17.00	P. 14 <i>Free Paper Session</i> Special Cases	
18.00	P. 14 <i>Focus Session</i> Trends in Keratoplasty Friedrich Kruse & Jesper Hjortdal	
18.30		

EUCORNEA MEDAL LECTURE

Friday 21 September

Room A6

14.10 – 14.40

Neural Basis of Eye Surface Sensations: From Dryness to Pain

Carlos Belmonte *SPAIN*



Carlos Belmonte is Emeritus Professor of Human Physiology at the Medical School, University Miguel Hernandez, and Senior Researcher of the Instituto de Neurociencias in Alicante (Spain). Prof. Belmonte is a member of the Academia Europaea, the National Academy of Sciences of Spain and The Akademie der Wissenschaft und Literatur, Mainz (Germany). He is Doctor Honoris Causa by the Universities of Castilla la Mancha, Spain and of Cordoba, Argentina, and Adjunct Professor of Ophthalmology, University of Utah, USA. He has been Director of the Department of Physiology and Vice-dean at the Medical School, University of Valladolid, and served as Vice-President for Academic Affairs and as Dean of the Medical School at the University of Alicante since its foundation. In 1987 he created and directed until 2007, the Institute of Neurosciences, a Joint Center of the Spanish National Research Council (CSIC) and the University Miguel Hernandez (UMH), the largest neuroscience research centre in Spain.

Professor Belmonte has been Visiting Professor at the Universities of Harvard and Utah, and Visiting Scientist of the Eye Research Institute of the Retina Foundation (USA) and of the Prince of Wales Medical Research Institute of New South Wales University in Australia. He has been President of the International Brain Research Organization; the International Society for Eye Research; and the Spanish Societies of

Neurosciences and Medical Education. In Spain he has been awarded with the National Research Award “Rey Jaime I”, the National Prize for Biology and Biomedicine “Severo Ochoa” and the National Award in Medicine “Gregorio Marañón”, all presented by the Kings of Spain. Prof. Belmonte has been awarded internationally with the Endre Balazs Prize of the International Society for Eye Research; the European Vision Award of the European Vision Institute; Alcon Award; the Association for Research in Vision and Ophthalmology Foundation; the Leloir Award of the Government of Argentina and the Lifelong Mentorship Award 2017 of Nature journals. Prof. Belmonte has been a member of the boards of many international research institutions (Human Frontiers, European Research Council Grants, Hellen Keller Foundation, DANA Alliance for the Brain, ERA-NET Neuron) and belongs to the international scientific board of several Research Institutes and Foundations in Spain, Mexico, Germany, France, UK, Japan and USA. The research work of Prof. Belmonte and his co-workers has been centred in the study of the cellular and molecular mechanisms underlying peripheral somatosensory transduction and pain, and in the neural mechanisms of ocular sensations.

FRIDAY 21 SEPTEMBER

Room A6

08.00 – 09.00

Free Paper Session

Infections and Inflammation

Moderators: M. Daly *USA*
M. Nubile *ITALY*

- 08.00 M. Cabrera-Aguas, D. Robaei, P. Khoo, S. Watson *AUSTRALIA*
Risk factors, microbiological features and outcomes of patients with concomitant microbial and herpes simplex keratitis
- 08.08 N. Kato, T. Kumagai, S. Ishikawa, N. Yamada, T. Sasaki, K. Shinoda *JAPAN*
Our experience after using photoactivated chromophores with corneal cross-linking (PACK-CXL) for a case with fungal keratitis caused by a fusarium infection.
- 08.16 J. Knoeri, S. De Craene, C. Georgeon, N. Bouheraoua, L. Merabet, P. Kestelyn, V. Borderie *FRANCE*
Assessment of confocal microscopy for the diagnosis of polymerase chain reaction-Positive Acanthamoeba Keratitis: A case-control study
- 08.24 C. Madeira, D. Cerqueira, J. Pinheiro-Costa, M. Falaco, F. Falcao-Reis *PORTUGAL*
Clinical profile of patients with acanthamoeba keratitis – what are the poor prognosis indicators?
- 08.32 A. Rodriguez, E. Castro, A. Chulia, J. Alio del Barrio, J. Alio *SPAIN*
Rapid diagnosis in acanthamoeba and mycotic corneal infections
- 08.40 A. Vicente, F. Pedrosa Domellof, M. Claesson, J. Hjortdal, B. Samolov, B. Byström *SWEDEN*
Corneal transplantation in patients with infectious keratitis, a registry-based study
- 08.48 N. Szentmary, L. Shi, T. Stachon, S. Wagenpfeil, A. Langenbacher, B. Seitz *GERMANY*
The effect of antiamebic agents on viability, proliferation and migration of human epithelial cells, keratocytes and endothelial cells, in vitro
- 08.56 Discussion
- 09.00 End of Session

Room A7

08.00 – 09.00

Free Paper Session

Corneal Transplantation

Moderators: N. Alexandre *SPAIN*
R. Bellucci *ITALY*

- 08.00 M. Muraine, Z. He, G. Thuret, D. Toubeau, S. Lefvre, P. Gain *FRANCE*
Assessment of endothelial quality of pre-stripped DMEK grafts prepared with the Muraine technique
- 08.08 A. Salvador, M. Barbany, T. Florit, I. Sassot *SPAIN*
Descemet's membrane endothelial keratoplasty using Muraine's technique: Clinical outcomes and complications.
- 08.16 S. Dunker, M. Dickman, F. van den Biggelaar, R. Wisse, S. Nobacht, R. Nuijts *THE NETHERLANDS*
Ultrathin Descemet's stripping automated endothelial keratoplasty (UT-DSAEK) versus Descemet's membrane endothelial keratoplasty (DMEK): Preliminary results of a multicenter prospective randomized controlled clinical trial.
- 08.24 F. Price Jr., M. Price, *USA*
DMEK insertion methods: glass vs. plastic and endo-in vs. endo-out
- 08.32 F. Cabrerizo Nunez, I. Potapenko, M. Alberti *DENMARK*
Safety assessment of novel micro-DMEK technique
- 08.40 L. Baydoun, V. Zygoura, A. Miron, L. Ham, I. Dapena, S. Oellerich, G. Melles *THE NETHERLANDS*
Quarter-Descemet's membrane endothelial keratoplasty (Quarter-DMEK) for Fuchs endothelial corneal dystrophy: 6 months clinical outcome and in-vitro cell migration patterns
- 08.48 M. Dickman, S. Dunker, M. Veldman, F. van den Biggelaar, T. Berendschot, B. Winkens, R. Nuijts *THE NETHERLANDS*
Real world outcomes of DMEK: A prospective Dutch national registry study
- 08.56 Discussion
- 09.00 End of Session

FRIDAY 21 SEPTEMBER

Room A7

09.00 – 10.00

Instructional Course 1

Difficult Cases in Lamellar Surgery

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

- 09.00 **M. Muraine** *FRANCE*
DMEK in the traumatized eye
- 09.08 **S. Hannush** *USA*
DSAEK or DMEK after PK?
- 09.16 **C. Cursiefen** *GERMANY*
Is there a real benefit of iOCT in lamellar surgery
- 09.24 **P. Rama** *ITALY*
Lamellar surgery after Ex vivo expanded autologous human corneal epithelial cells containing stem cells grafting
- 09.32 **S. Kinoshita** *JAPAN*
Tectonic lamellar surgery for limbal dermoid
- 09.40 **N. Alejandre** *SPAIN*
Tectonic lamellar graft in herpetic disease
- 09.48 **A. Villarrubia** *SPAIN*
Candida Keratitis after DMEK
- 09.56 Discussion
- 10.00 End of Session

Room A6

09.00 – 10.30

Focus Session

Update on Fungal Keratitis

Moderators: **B. Früh** *SWITZERLAND*
U. Stenevi *SWEDEN*

- 09.00 **S. Zimmerli** *SWITZERLAND*
Why are fungal infections so difficult to treat?
- 09.15 **I. Barequet** *ISRAEL*
Clinical picture and diagnostics
- 09.30 **B. Seitz** *GERMANY*
Medical and surgical treatment of fungal keratitis
- 09.45 **S. Elkjær Nielsen** *DENMARK*
The incidence of fungal keratitis in Europe
- 10.00 **A. Rijneveld** *HOLLAND*
Fungal keratitis after endothelial transplantation: an eye bank problem?
- 10.15 Discussion
- 10.30 End of Session

FRIDAY 21 SEPTEMBER

Room A7

10.30 – 11.30

Instructional Course 2

From Topography to Tomography

Moderator: B. Cochener *FRANCE*

- 10.30 **F. Chiambaretta** *FRANCE*
Elevation topography: concept to practical use
- 10.45 **V. Katsanevaki** *GREECE*
Specular or Placido topography: concept to practical use
- 11.00 **C. Roberts** *USA*
Topography combined to biomechanics
- 11.15 **B. Cochener** *FRANCE*
Topography guided surgery
- 11.30 End of Session

Room A6

11.00 – 12.30

Focus Session

Glaucoma and Ocular Surface

Moderators: D. Epstein *SWITZERLAND*
F. Aptel *SWEDEN*

- 11.00 **C. Traverso** *ITALY*
Handling glaucoma in the presence of a cloudy cornea
- 11.15 **E. Arrondo** *SPAIN*
Management of glaucoma after corneal transplantation
- 11.30 **J. Hjortdal** *DENMARK*
The influence of the cornea on intraocular pressure measurements
- 11.45 **F. Aptel** *FRANCE*
Corneal toxicity of glaucoma medication
- 12.00 **E. Villani** *ITALY*
Endothelial cell loss after MIGs and tubes
- 12.15 Discussion
- 12.30 End of Session

FRIDAY 21 SEPTEMBER

Room A7

11.30 – 12.30

Instructional Course 3

Gluing at the Ocular Surface

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

11.30 **D.G. Said** *UK*
 Cyanoacrylate glue

11.45 **H. Dua** *UK*
 Fibrin glue

12.00 **V. Jhanji** *UK*
 Clinical examples

12.15 Discussion

12.30 End of Session



Room A6

14.00 – 15.00

Opening Ceremony

14.00 **F. Kruse** *GERMANY, PRESIDENT, EUCORNEA*
 Introduction and Welcome Address

14.05 **P. Gorka** *AUSTRIA, PRESIDENT, AUSTRIAN SOCIETY*
 Welcome

14.10 **C. Belmonte** *SPAIN*
 EuCornea Medal Lecture

14.40 **F. Kruse** *GERMANY*
 Presentation of EuCornea Medal

14.45 **J. Hjortdal** *DENMARK*
 Presentation of Plaque

14.50 **F. Kruse** *GERMANY*
 Best Poster Award

14.55 Closing Remarks

FRIDAY 21 SEPTEMBER

Room A7

14.00 – 15.00

Instructional Course 4

Update on the Management of Tumors of the Ocular Surface

Moderator: P. Rama *ITALY*

- 14.00 **M. Angi** *ITALY*
How to make a clear diagnosis
- 14.15 **C. Karp** *USA*
Management of epithelial tumours
- 14.30 **A. Schalenbourg** *BELGIUM*
Management of melanocytic tumours
- 14.45 **A.J. Maris Ferreri** *ITALY*
Management of lymphoid tumours
- 15.00 End of Session

Room A6

15.30 – 17.00

Focus Session

Fighting Against Ocular Surface Inflammation

Moderators: M. Labetoulle *FRANCE*
H. Dua *UK*

- 15.30 **J. Benitez Del Castillo Sanchez** *SPAIN*
Defining, diagnosing and quantifying ocular surface inflammation
- 15.45 **N. Bouheraoua** *FRANCE*
When corneal innervation interacts with inflammation
- 16.00 **S. Barabino** *ITALY*
Adjuvant treatments with anti-inflammatory properties
- 16.15 **E. Messmer** *GERMANY*
Immunomodulation in the ocular surface
- 16.30 **D.G. Said** *UK*
Surgical interventions in ocular surface inflammation
- 16.45 Discussion
- 17.00 End of Session

FRIDAY 21 SEPTEMBER

Room A7

15.30 – 16.30

Free Paper Session

Corneal Transplantation 2

Moderators: **G. Kymionis** SWITZERLAND
M. Morral SPAIN

- 15.30 **E. Pedrotti, E. Bonacci, J. Bonetto, T. Merz, P. Talli, C. Chierago, G. Marchini** ITALY
Outcomes of intrastromal keratoplasty: new perspectives for the treatment of keratoconus
- 15.38 **M. Rajan, K. Rolev, L. King, P. Coussons** UK
Restoration of corneal function using cell transplantation with ex vivo cultured human corneal endothelial cells in an experimental bullous keratopathy model
- 15.46 **P. Baptista, M. Gomes, M. Neves, L. Oliveira** PORTUGAL
Descemet's membrane "Stripping-Only" for the treatment of Fuchs endothelial dystrophy
- 15.54 **M. Barbany Rodriguez, Á. Gris, J. Güell** SPAIN
Epi-sclerokeratoplasty and central penetrating keratoplasty (two-stage technique) for the management of advanced keratoglobus.
- 16.02 **B. Allan, L. Fernandez Vega Cueto, K. Ghadvi, F. Aiello, V. Romano** UK
Laser assisted mushroom deep anterior lamellar keratoplasty
- 16.10 **L. Daniel Raj Ponniah** INDIA
OCT guided, femto assisted micro-thin DSAEK: A high precision endothelial keratoplasty
- 16.18 **O. Al-Shymali, A. Montesel, R. Barraquer, F. Negrete, M. Teus, M. Maldonado, J. Alio** SPAIN
Corneal graft failure: a long-term retrospective multicentre analysis
- 16.26 Discussion
- 16.30 End of Session

Room A7

16.30 – 17.30

Instructional Course 5

New Advances in Keratoprosthesis

Moderators: **C. Liu** UK
J. de la Cruz USA

- 16.30 **M. Dagner** CANADA
Glaucoma in KPRO; known knowns and known unknowns
- 16.37 **S. Cortina** USA
Pediatric and Adolescent KPRO. Age makes a difference
- 16.44 **J. Güell** SPAIN
P3KPRO Multicenter Study. 5 year follow-up on Primary KPRO
- 16.51 **K. Hille** GERMANY
Why the OOKP is king
- 16.58 **S. Agarwal** INDIA
Alternatives to the OOKP
- 17.05 **V. Avadhanam** UK
Synthetic OOKP skirts
- 17.12 Discussion
- 17.30 End of Session

FRIDAY 21 SEPTEMBER

Room A6

17.00 – 18.30

Focus Session

Management of Keratoconus

Moderators: **B. Allan** *UK*
G. Kymionis *SWITZERLAND*

Session will be Rapid Fire: 12 Minutes per speaker + 3 Minutes discussion (15 mins total per speaker)

- 17.00 **T. Stachon** *GERMANY*
Latest developments in the molecular biological background of KC
- 17.15 **D. Gatinel** *FRANCE*
Can KC be prevented?
- 17.30 **C. Koppen** *BELGIUM*
Latest advances in CL fitting for KC
- 17.45 **D. Gore** *UK*
What is progression? Tomography measurement repeatability and machine learning in KC
- 18.00 **T. Seiler** *SWITZERLAND*
Customised CXL
- 18.15 **E. Coskunseven** *TURKEY*
ICRS update
- 18.30 End of Session

SATURDAY 22 SEPTEMBER

Room A6

08.00 – 09.30

Focus Session

What is beyond DEWS?

Moderators: **B. Cochener** *FRANCE*
F. Malecaze *FRANCE*

- 08.00 **D. Sullivan** *USA*
How was DEWS II born?
- 08.13 **S. Lazreg** *ALGERIA*
From DEWS I to DEWS II : Which additional value?
- 08.26 **G. Van Setten** *SWEDEN*
The limits of the definition
- 08.39 **E. Villani** *ITALY*
TFOS DEWS II
- 08.52 **P. Aragona** *ITALY*
How DEWS II guides therapeutic strategy
- 09.05 **C. Baudouin** *FRANCE*
Do we need a DEWS III?
- 09.18 Discussion
- 09.30 End of Session

Room A7

17.30 – 18.30

Instructional Course 6

Therapeutic Uses of Contact Lenses in Ocular Surface Disease

Moderator: **C. Koppen** *BELGIUM*

This will be a moderator driven course (45 minutes) with 15 minutes discussion time to be had by participants and moderator at the end of the course.

SATURDAY 22 SEPTEMBER

Hall A1

11.00 – 13.00

ESCRS/EUCORNEA Symposium

Corneal Cross-Linking: Current Status and Future Perspectives

Chairpersons: R. Bellucci *ITALY (ESCRS)*
J. Hjortdal *DENMARK (EUCORNEA)*

- 11.00 **C. Roberts** *USA*
Biomechanics of cross-linking
- 11.15 **T. Seiler** *SWITZERLAND*
Techniques and results
- 11.30 Discussion
- 11.40 **F. Malecaze** *FRANCE*
Topography-guided cross-linking
- 11.55 **G. Kymionis** *GREECE*
PRK and cross-linking for keratoconus
- 12.10 Discussion
- 12.20 **L. Lim** *SINGAPORE*
LASIK with cross-linking
- 12.35 **M. Dickman** *THE NETHERLANDS*
New cross-linking techniques
- 12.50 Discussion
- 13.00 End of session

Room A6

14.00 – 15.30

Focus Session

Challenging Cases – Commented by the Experts

Moderators: J. Güell *SPAIN*
S. Hannush *USA*

Speakers will present a single challenging or complicated case, video based, ending their presentation with three main pearls addressed to the audience.

- 14.00 **F. Badala** *ITALY*
Corneal melt dilemma
- 14.07 **V. Jhanji** *USA*
Crack cornea
- 14.14 **E. Holland** *USA*
Aniridic Keratoplasty and cataract
- 14.21 **M. Labetoulle** *FRANCE*
No hurry to re-operate
- 14.28 **S. Yoo** *USA*
Managing anti-coagulations for corneal surgery
- 14.35 **C. Karp** *USA*
It is a TOOOMAH
- 14.42 **C. Cursiefen** *GERMANY*
Acute corneal edema
- 14.49 **S. Kinoshita** *JAPAN*
Surgical strategies for complicated bullous keratopathies
- 14.56 **S. Hamada** *UK*
COMET for paediatric stem cell deficiency, But!
- 15.03 **A. Sabala Llopert** *SPAIN*
Surgery on Terrein's marginal degeneration
- 15.10 **S. Hannush** *USA*
To Toric or not to Toric, that is the question
- 15.17 **J. Güell** *SPAIN*
Epithelial ingrowth
- 15.24 Discussion
- 15.30 End of Session

SATURDAY 22 SEPTEMBER

Room A6

16.00 – 17.00

Free Paper Session

Special Cases

Moderators: **C. Koppen** *BELGIUM*
B. Allan *UK*

- 16.00 **J. McAlister** *AUSTRALIA*
A paradigm shift: Avoiding corneal transplantation for pellucid marginal degeneration
- 16.08 **A. Petrovic, D. Tabibian, K. Hashemi, O. Richoz, K. Aliferis, M. el Wardani, G. Kymionis** *SWITZERLAND*
Intracorneal silicone oil insertion for symptomatic treatment of bullous keratopathy
- 16.16 **I. Potapenko, M. Alberti, F. Cabrerizo Nunez** *DENMARK*
Clinical outcomes of novel micro incision DMEK
- 16.24 **M. Füst, G. Hin-Fai Yam, J. Mehta** *GERMANY*
Regional proteomic changes in keratoconus
- 16.32 **J. Priddy, C. Liu, A. Bardan** *UK*
Systematic review of medium to long term outcomes of the Boston keratoprosthesis type 1
- 16.40 **A. Arteaga, S. Hassanaly, J. Hallak, M. Cortina, J. De la Cruz** *USA*
Preliminary results of the multicenter P3Kpro study: keratoprosthesis as primary procedure
- 16.48 **C. Fernández-Vega, B. Salvador-Culla, M. de la Paz** *SPAIN*
Surgical reconstructive techniques for corneal necrosis repair in Boston keratoprosthesis
- 16.56 Discussion
- 17.00 End of Session

Room A6

17.00 – 18.30

Focus Session

Trends in Keratoplasty

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

- 17.00 **M. Busin** *ITALY*
DMEK or Ultrathin DSAEK: Is one procedure optimal for all?
- 17.13 **L. Fontana** *ITALY*
Perfection of technique for DALK
- 17.26 **V. Borderie** *FRANCE*
Reducing the risk for glaucoma after keratoplasty
- 17.39 **S. Srinivasan** *UK*
How to avoid endophthalmitis after keratoplasty
- 17.52 **C. Liu** *UK*
Keratoprostheses: Options for severe dry eyes
- 18.05 **D. Ponzin** *ITALY*
Standards for eye bank preparation of posterior lamellar grafts
- 18.18 Discussion
- 18.30 End of Session



Poster Village

HALL A

POSTER PODS 1 & 2

SESSIONS WILL BE ON FRIDAY AT 3PM - BOTH RUNNING SIMULTANEOUSLY

PRESENTED POSTERS INTERACTIVE

Friday 21 September

15.00 – 16.00

Session 1

Poster Village: Pod 1

Moderator: A. Ivarsen *DENMARK*

- | | | | |
|-------|---|-------|--|
| 15.00 | S. Rehman <i>UK</i>
iGlide-device for large diameter Ultra-Thin preloaded DSAEK | 15.35 | O. Barut Selver <i>TURKEY</i>
Fungal keratitis and corneal perforation following corneal collagen cross-linking treatment |
| 15.05 | J. Alio del Barrio <i>SPAIN</i>
Descemet's Membrane Endothelial Keratoplasty (DMEK) under previous DMEK for Secondary Endothelial Graft Failure | 15.40 | L. Daniel Raj Ponniah <i>INDIA</i>
Corneal stromal augmentation followed by Toric phakic intraocular lens implantation in advanced non-scarred keratoconic eyes: a conceptual analysis |
| 15.10 | R. Bafiq <i>UK</i>
Tutoplast Pericardium Allograft as an alternative surgical management of neurotrophic corneal perforation | 15.45 | S. Afari <i>UK</i>
Simultaneous versus sequential corneal crosslinking in keratoconus patients |
| 15.15 | V. Getadaryan <i>RUSSIA</i>
Descemet's membrane (DM) transplantation into the stroma in a case of keratoconus. | 15.50 | L. Bataille <i>SPAIN</i>
3D model reconstruction of corneas treated with crosslinking and correlation with the clinical results |
| 15.20 | K. Aliferis <i>SWITZERLAND</i>
Use of radiofrequency diathermy for the treatment of chronic resistant corneal neovascularization: a pilot study | 15.55 | A. Haddad <i>BELARUS</i>
Long-term follow-up results of corneal collagen cross-linking in patients with progressive keratoconus. |
| 15.25 | P. Khoo <i>AUSTRALIA</i>
A comparison of the microbiological profile of patients with contact lens-related and non-contact lens microbial keratitis | 16.00 | End of Session |
| 15.30 | O. Ozalp <i>TURKEY</i>
Evaluation of microbial keratitis after penetrating keratoplasty | | |

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

PRESENTED POSTERS INTERACTIVE

Friday 21 September

15.00 – 16.10

Session 2

Poster Village: Pod 2

Moderator: R. Nuijts *THE NETHERLANDS*

- | | | | |
|-------|--|-------|--|
| 15.00 | <p>M. Labetoulle <i>FRANCE</i>
The impact of long term glaucoma medications on structure and function of meibomian glands</p> | 15.35 | <p>P. Pena Urbina <i>SPAIN</i>
Posterior polymorphous dystrophy</p> |
| 15.05 | <p>B. Suleman <i>UK</i>
Progression of keratoconus in patients while awaiting corneal cross-linking: A prospective clinical study</p> | 15.40 | <p>A. Rodríguez Castelblanco <i>SPAIN</i>
Peripheral ulcerative keratitis in a patient with pulmonary neoplasia: A paraneoplastic syndrome?</p> |
| 15.10 | <p>A. Swampillai <i>UK</i>
Is epithelial thickness mapping a reliable tool in forme fruste keratoconus?</p> | 15.45 | <p>P. Rodriguez-Ausin <i>SPAIN</i>
Adverse effects associated with treatment with topical tacrolimus 0.03% in anterior segment pathologies</p> |
| 15.15 | <p>M. Kamel <i>SAUDI ARABIA</i>
Biometric and refractive changes after Ahmed valve implantation</p> | 15.50 | <p>T. Veliksar <i>UKRAINE</i>
Biochemical changes in the tears of patients who used silicone-hydrogel contact lenses for a long time</p> |
| 15.20 | <p>O. Barut Selver <i>TURKEY</i>
Visual function-related quality of life and ocular surface improvement after cultivated limbal epithelial cell transplantation</p> | 15.55 | <p>E. Atalay <i>TURKEY</i>
The effect of forced eyelid closure on corneal topography in healthy subjects</p> |
| 15.25 | <p>N. Bouheraoua <i>FRANCE</i>
Corneal reinnervation after corneal neurotization: an in vivo confocal microscopy study</p> | 16.00 | <p>V. Chorro <i>SPAIN</i>
Comparison of the Sirius (placido disk + Scheimpflug tomography) topographer and the MD-SD-OCT "MS-39" (Placido's disk + Spectral Domain OCT) topographer</p> |
| 15.30 | <p>Á. Füst <i>HUNGARY</i>
Case series of ocular surface squamous neoplasia: diagnostics and results of postoperative local chemotherapy</p> | 16.05 | <p>E. Islamaj <i>THE NETHERLANDS</i>
Endothelial cell changes of the cornea after Baerveldt glaucoma drainage device implantation</p> |
| | | 16.10 | <p>End of Session</p> |



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Basic Science

J. Alio Del Barrio, D. Chung, O. Al Shymali, P. Yebana, A. Aldave *SPAIN*
Punctiform and polychromatic pre-Descemet's dominant corneal dystrophy: report of two independent families, clinical findings and the results of whole exome sequencing

E. Favuzza, M. Marini, M. Cennamo, I. Rosa, M. Manetti, L. Ibba Manneschi, R. Mencucci *ITALY*
Morphological evidence of telocytes in normal and keratoconic human cornea

N. Kappos, V. Liarakos, K. Giannopoulou, G. Karastatiras, M. Koutsilieris, P. Theodosiadis *GREECE*
Investigation of camp agonist effect on an in vivo experimental corneal oedema model

I. Kontari, A. Kanellopoulos *GREECE*
Ex-vivo femto laser-assisted (FLA) corneal inlay xenografts (CLX) combined with CXL: novel technique

I. Kontari, A. Kanellopoulos *GREECE*
Combined ex-vivo femto laser-assisted (FLA) intracorneal ring segment xenografts (ICRSX), and CXL: a novel technique

G. Lopez Valverde, R. Hernandez Vian, A. Fanlo Zarazaga, A. Mateo Orobía, A. Gavin Sancho, M. Idiopé Corta *SPAIN*
Halometer comparison between patients with AMO tecnis toric aspheric ZCTT IOL and AMO tecnis 1 ZCB00 IOL after cataract surgery

R. Mazur, B. Bolek, D. Dobrowolski, E. Wylegala, B. Sedziak Marcinek *POLAND*
Comparative study of the anterior eye segment and biomertics measurement using Galilei g6 and IOL master.

M. Rajan *UK*
Effect of vital dyes on human corneal endothelium and elasticity of Descemet's membrane

T. Rodrigues, T. Ribeiro Rodrigues, J. Gil, M. Quadrado, J. Murta, A. Rosa, H. Girao *PORTUGAL*
Optimization of Descemet's membrane endothelial keratoplasty (DMEK) graft tissue for immunohistochemistry (IHC) studies

A. Rodriguez, J. Alio *SPAIN*
Concentration of growth factors and fibronectin in different preparations of eye platelet-rich plasma (E-PRP)

E. Torres Netto, S. Kling, B. Spiru, W. Sekundo, F. Hafezi *SWITZERLAND*
Does Bowman's layer influence corneal biomechanics?

D. Wróbel-Dudzinska, D. Rykwa, E. Kosior Jarecka, R. Chaas, A. Kubik-Komar, T. Aarnowski *POLAND*
Application of modified Schirmer tests for salivary and lacrimal glands hypofunction in non-Sjögren patients

G. Yildirim, N. Visser, R. Nuijts *NETHERLANDS*
Crystalline keratopathy in conjunctival malt lymphoma: a case report

Corneal Transplantation

M. Alberti, J. Cabrerizo, J. Pralits *DENMARK*
Modelling gas coverage of endothelial grafts

A. Anandan, R. Rajagopal, P. Susvar *INDIA*
Corneal transplantation in vitrectomised eyes-timing and outcome

M. Barbany Rodriguez, T. Florit, A. Salvador, I. Sassot *SPAIN*
Tearing of Descemet's membrane graft for DMEK with Muraine's technique

V. Bersudsky *ISRAEL*
Non-Descemet stripping descemet membrane endothelial keratoplasty (NDS DMEK): a case series.

M. Bhogal, J. Mehta *UK*
The total number of human corneal endothelial cells 1 month following endothelial keratoplasty correlates strongly with the degree of damage associated with graft insertion and unfolding

R. Birbal, V. Zygoura, J. Parker, L. Ham, I. Dapena, L. Baydoun, G. Melles *THE NETHERLANDS*
Outcomes of hemi-Descemet's membrane endothelial keratoplasty for Fuchs endothelial corneal dystrophy

I. Carneiro, M. Neves, M. Gomes, L. Oliveira *PORTUGAL*
Bowman membrane transplant - preliminary data

N. Cesario Pereira, J. Pereira Gomes, F. Verdrado, R. Sueiro, C. Tonin, A. dos Santos Forseto *BRAZIL*
Descemet's membrane endothelial keratoplasty in children.

I. Dekaris, A. Dukia, M. Konarevia, M. Pauk Gulia *CROATIA*
How often is endothelial keratoplasty necessary in Fuchs patients with a cataract?

A. Denoyer, E. Durban, N. Deschamps, C. Arndt *FRANCE*
Understanding and predicting the DMEK-induced changes in refraction to improve the outcomes after combined cataract surgery

M. Diab, M. El Shaheri, M. Omar *SAUDI ARABIA*
New trend in treatment of presbyopia using laser blended vision (PRESBYOND)

M. Diab, M. El Shaheri, M. Omar *SAUDI ARABIA*
Complications and management in Descemet's stripping endothelial keratoplasty: analysis of consecutive 430 cases

G. Drozhzhyna, T. Gaidamaka, C. Cursiefen, B. Bachmann, V. Ostashevski, O. Ivanovska, B. Kogan *UKRAINE*
Rationally use of corneal donor tissue

V. Getadaryan, O. Oganasyan, V. Markaryan, P. Makarov, K. Oganasyan *RUSSIA*
Six months follow up of patients after Bowman layer transplantation (BLT) in advanced keratoconus

V. Getadaryan, O. Oganasyan, V. Markaryan, P. Makarov, K. Oganasyan *RUSSIA*
Six months follow up of patients after Bowman layer transplantation (BLT) and inverse BLT in advanced keratoconus

E · POSTERS

Corneal Transplantation

M. Goweida, C. Liu, A. Ragab *UK*

Deep anterior lamellar keratoplasty: never bare Descemet's membrane

P. Guerra, A. Quintas, R. Marques, W. Rodrigues *PORTUGAL*

Surgical technique, clinical outcomes and complications of the first cases of Descemet membrane endothelial keratoplasty (DMEK)

K. Hashemi, G. Kymionis, E. Sharkawi,

M. El Wardani *SWITZERLAND*

Management of complications associated with cosmetic iris implants.

D. Hipolito Fernandes, M. Elisa Luis, S. Crisostomo,

G. Neri Pires, V. Maduro, J. Feijao, N. Alves *PORTUGAL*

High-order aberrations of the cornea after DSAEK and its relationship with graft thickness

N. Kara *TURKEY*

Management of spontaneous corneal perforation in a patient with epidermolysis bullosa using a cadaveric corneal lamellar graft

Z. Koktas, O. Onal, O. Ozalp, E. Atalay, N. Yildirim *TURKEY*

Analysis of risk factors for graft failure in keratoplasty

H. Lee, J. Phee, A. Bardan, M. Nanavaty *UK*

Outcomes of endothelial keratoplasty performed in combination with, before or after cataract surgery in Fuchs endothelial dystrophy

A. Luangaram, P. Prabhasawat, C. Chirapapaisan, P. Ekpo,

K. Lekhanont, W. Tangpagasit, C. Boonwong *THAILAND*

Epithelial analysis of simple limbal epithelial transplantation in limbal stem cell deficiency by in vivo confocal microscopy and impression cytology

F. Maldotti, R. Ceccuzzi, R. Clerici, R. Fausto *ITALY*

Reversible uveitis-zalvia syndrome after air injection for treating Descemet's detachment following deep anterior lamellar keratoplasty

L. Marvanova, M. Bikbov *RUSSIA*

Study of cytokines in bullous keratopathy on the background of surgical treatment.

N. Menassa, V. Savant *UK*

Management of double anterior chamber formation following deep anterior lamellar keratoplasty (DALK): a case series with variable postoperative interventions and outcomes

R. Mencucci, M. Marini, M. Cennamo, I. Rosa, M. Manetti,

E. Favuzza *ITALY*

Predescemet's DALK in keratoconus: a light and transmission electron microscopy study two years after surgery

O. Moraru, M. Iliescu, C. Moraru *ROMANIA*

Descemet stripping automated endothelial keratoplasty in anterior segment complex surgical pathology- case series presentation

N. Moura-Coelho, I. Passos, E. Vares Luias, J. Ferreira,

M. Dutra Medeiros, M. Reina, P. Candelaria *PORTUGAL*

Long-term clinical outcomes of Ahmed glaucoma valve implantation in post-keratoplasty glaucoma – a case series

C. Oliveira-Ferreira, S. Perestrelo, J. Tavares Ferreira,

J. Pinheiro Costa, L. Torrao, R. Moreira,

F. Falcao Reis *PORTUGAL*

Six years of corneal donation to the hospital São João eye bank: characteristics of cornea donors

M. Price, F. Price Jr. *USA*

Treatment of prior failed penetrating keratoplasty with DMEK: graft survival and risk factors for failure

F. Price Jr, M. Price *USA*

Factors leading to increased donor fungal contamination and report of candida after DMEK treated successfully with antifungals and partial graft excision

J. Providência, A. Correia, J. Gil, C. Tavares, A. Rosa,

M. Quadrado, J. Neto Murta *PORTUGAL*

Immunosuppression in high-risk corneal grafts

I. Riks, S. Astakhov, S. Papanyan, S. Novikov, G. Dzhaliashvili,

A. Lisochkina *RUSSIA*

Descemetorhexis combined with accelerated corneal collagen cross-linking for the treatment of endothelial corneal dystrophy

A. Rodriguez, V. Vargas, J. Alio del Barrio *SPAIN*

Treatment of endothelial diseases with posterior stromal opacification: Descemet's membrane endothelial keratoplasty (DMEK) associated with femtosecond laser assisted posterior stromal keratectomy

D.S. Patel, A. Stuart, M.R. Alimohamed, R. Angunawela *UK*

Corneal overlay compression suture for management of double chamber after DALK

D. Santander-Garcia, V. Zygoura, I. Lavy, R. Verdiijk,

L. Baydoun, I. Dapena, G. Melles *THE NETHERLANDS*

Atypical presentation of iridocorneal endothelial syndrome with band keratopathy but no corneal edema managed with DMEK

D. Santander-Garcia, R. Quilendrin,

M. Rodriguez Calvo de Mora, K. Van Dijk, I. Dapena,

L. Baydoun, G. Melles *THE NETHERLANDS*

Prevention and management of Descemet's membrane endothelial keratoplasty (DMEK) complications

G. Schmidinger, R. Donner, N. Pircher, J. Lammer,

S. Holzer *AUSTRIA*

Evaluation of donor cornea trephination with a femtosecond-laser with and without applanation

K Schürch, B. Früh *SWITZERLAND*

CMV induced graft rejection after DSAEK

D. Tabibian, A. Petrovic, O. Richoz, K. Hashemi, K. Aliferis, M. El Wardani, G. Kymionis *SWITZERLAND*
Corneal wedge deep anterior lamellar excision for the treatment of pellucid marginal degeneration

J. Torres-Tajuero, M. Arino, N. Alejandro Alba *SPAIN*
8mm lamellar transplant for small corneal perforations

M. Tsatsos, D. Gousia, S. Jacob, N. Ziakas *GREECE*
Factors influencing PDEK graft harvesting

K. Van Dijk, J. Parker, L. Baydoun, I. Dapena, E. Groeneveldvan Beek, G. Melles *THE NETHERLANDS*
Bowman layer transplantation: 5-year results

A. Vasquez-Perez, B. Allan *UK*
Novel technique of DMEK graft re-bubbling at the slit lamp with partial aqueous drainage and a 30-gauge cannula

N. Yamada, S. Ishikawa, T. Maruyama, T. Sasaki, T. Hayashi, N. Kato *JAPAN*
Our outcomes of Descemet's membrane endothelial keratoplasty for bullous keratopathy in Japanese patients

R. Zaki, H. Yassin, N. Abo Hussein *EGYPT*
Femtolasers assisted DSEAK in ched : preliminary results

Imaging

O. Balta *TURKEY*
Evaluation of the fellow eye of patients whose one eye underwent keratoplasty for treatment of keratoconus

B. Bolek, R. Mazur, B. Sedziak Marcinek, E. Wylegala *POLAND*
Ultrasound ciliary plasty – influence on corneal topography.

R. Eltanamly, M. Kassem, A. Nosseir, Y. Amr *EGYPT*
Correlation between corneal biomechanics, thickness, intraocular pressure and disease activity in patients with rheumatoid arthritis

R. Eltanamly, S. Abdelalim, G. Gawdat, A. Zaki *EGYPT*
Tear film assessment by anterior segment optical coherence tomography in patients with juvenile idiopathic arthritis

M. Kamel *SAUDI ARABIA*
A new topographic pattern for early differentiation of pellucid marginal degeneration from keratoconus

J. Kokot, A. Wylegala, E. Wroblewska Czajka, D. Dobrowolski, E. Wylegala *POLAND*
Results of ex vivo evaluation of transplant recipient's corneas using confocal microscopy

A. Radhakrishnan, A. V N *INDIA*
Comparison of corneal topographic changes after 23 gauge and 25 gauge vitrectomy

L. Schmetterer, V. Aranha dos Santos, R. Werkmeister, D. Schmidl, G. Garhafer *SINGAPORE*
Measurement of pre-corneal tear film thickness in patients with dry eye disease

B. Steger, C. Palme, V. Romano, M. Brunner, R. Vinciguerra, S. Kaye *AUSTRIA*
Functional staging of corneal neovascularization using fluorescein and indocyanine green angiography

Infections and Inflammation

M. Barbany Rodriguez, A. Salvador *SPAIN*
Toxic corneal reaction by exposure to palytoxin.

J. Bhuntuvech, O. Thanathane *THAILAND*
Collagen cross-linking with photoactivated riboflavin (pach-CXL) for the treatment of severe and recurrent pythium insidiosum keratitis: case reports

R. Bulaj, A. Lula *ALBANIA*
Case report: ocular manifestations of congenital syphilis in late childhood

G. Drozhzhyna, O. Ivanova, T. Gaidamaka, T. Veliksar *UKRAINE*
The measles keratitis in adults. In 2017 an epidemic activity of measles in Europe had increased. The largest number of cases were registered in 14 European countries, including 2381 cases in Ukraine. In 2017, in Odessa region were registered 1016 cases

A. Elsahn, P. Hossain, M. Christodoulides *UK*
Effect of gentamicin and ciprofloxacin on intracellular *Pseudomonas aeruginosa* bacteria using a human microbial keratitis in vitro model

A. Escalona Lozano, C. Colliga, B. Garcia Valcarcel, M. Ruiz, L. Ibares Frias *SPAIN*
Stenotrophomonas maltophilia on neurotrophic ulcer in patient with Sjögren's syndrome: resolution with therapeutic keratoplasty

M. Farah, J. Agi, T. Rocchetti, M. Yu, F. Ramos, D. Freitas, A. Hoffling Lima *BRAZIL*
Contact lens-associated microbial keratitis in a referral hospital in São Paulo, Brazil

L. Fontana *ITALY*
Fungal keratitis interface infection following anterior and posterior keratoplasty: clinical outcomes

T. Gaidamaka, V. Ostashevski, G. Drozhzhyna, A. Souli *UKRAINE*
Clinical features and course of secondary glaucoma in patients with corneal diseases

M. Gil Arnal, F. Sanchez Reus, N. Torrell Belzach, M. Alhayek *SPAIN*
Mycotic keratitis caused by *Paronychium album*

A. Gupta, S. Tayal, A. Thakur, S. Handa *INDIA*
Role of topical ganciclovir (0.15%) gel in adenoviral keratoconjunctivitis.

A. Gupta, A. Thakur *INDIA*
Application of corneal collagen cross-linking with photoactivated riboflavin for treating recalcitrant phaco-tunnel fungal infection: a novel strategy

E · POSTERS

H. Jasim, J. Hoffmann, H. Bobat, S. Cook, D. Tole *UK*

Acanthamoeba keratitis in the UK in 2015: 9 month outcome data

E. Jiménez Rodríguez, C. Reino Perez, J. Diaz Bernal, G. Garhafer, J. Gonzalez de Gor Crooke,

A. Archidona Arranz *SPAIN*

Regenerating agents applied in the management of neurotrophic ulcer secondary to acanthamoeba infection

R. Laiginhas, C. Ferreira, I. Lopes Cardoso, J. Chibante, I. Almeida *PORTUGAL*

Descemetocoele – reporting two cases of a rare complication

M. Lakshmi pathy, D. Therese *INDIA*

Clinico- microbiological spectrum of bacterial keratitis in diabetic patients

C. Malhotra, D. Dhingra, A. Jain *INDIA*

Viral keratouveitis misdiagnosed as keratomycosis on in vivo confocal microscopy

A. Matsuzawa, Y. Hayashi, K. Sasaki, Y. Tobe, Y. Ito,

H. Takagi *JAPAN*

Four cases of initial acanthamoeba keratitis treated with polyvinyl alcohol iodine

S. Nabili *UK*

A cow's tail tale

A. Petrovic, D. Tabibian, K. Hashemi, O. Richoz, K. Aliferis, M. el Wardani, G. Kymionis *SWITZERLAND*

Characteristics of linear interstitial keratitis by in vivo confocal microscopy and anterior segment optical coherence tomography

C. Pont, I. Catal, V. Huerva *SPAIN*

Intrastromal and intracameral injections of amphotericin b in the treatment of fungal keratitis.

A. Raghavan, P. Bellamkonda, L. Mendoza,

R. Rammohan *INDIA*

Diagnosis and management of pythium keratitis - a case series.

A. Rodriguez, J. Alio del Barrio, A. Vega, J. Alio *SPAIN*

Diagnosis and treatment outcomes of fungal keratitis

N. Sharma *INDIA*

Comparative evaluation of Intrastromal injections of voriconazole, amphotericin and natamycin in recalcitrant fungal keratitis: RCT

N. Sharma *INDIA*

To report a case of Pythium insidiosum keratitis leading to fatal cavernous sinus thrombophlebitis

N. Sharma *INDIA*

To evaluate the use of spectral domain anterior segment optical coherence tomography (RTVue; Optovue, Inc, Fremont, CA, USAASOCT) in fungal keratitis

N. Sharma *INDIA*

To describe the outcomes of tenons patch graft in the management of corneal perforation < 5mm size

B. Tamym, Y. Bencharki, A. Kouisbahi, A. El Hassan,

A. Berrah *MOROCCO*

Pack- CXL first line in the corneal abscesses: analytical and comparative study about ten cases

S. Tavassoli, D. Gunn, O. Williams, K. Darcy *UK*

Successful treatment of multi-drug resistant achromobacter xylosoxidans corneal ulcer with topical meropenem

S. Tavassoli, D. Gunn, D. Tole, K. Darcy *UK*

Peripheral ulcerative keratitis (PUK) with corneal melt as the primary presentation in a case of human immunodeficiency virus (HIV)

S. Tavassoli, G. Nayar, D. Gunn, K. Darcy, J. Luck,

O. Williams, D. Tole *UK*

11-year outcomes of microbial keratitis trends in the south west of the UK

O. Thanathane, J. Bhuntuech, P. Prapaipanich,

O. Suwanapichon, O. Anutarapongpan *THAILAND*

Pythium insidiosum keratitis: a retrospective study

S. Torres-Costa, J. Pinheiro Costa, L. Torrao, R. Moreira,

F. Falcao Reis *PORTUGAL*

Severe fungal keratitis associated with contact lens: from antifungal therapy to penetrating keratoplasty

J. Turunen, J. Wedenoja, A. Riikonen, S. Mortenhummer,

A. Lehesjoki, A. Majander, T. Kivela *FINLAND*

Keratoendothelitis fugax hereditaria is caused by a mutation in the nlrp3 gene

A. Verma *INDIA*

Brown McLean syndrome: a case report

A. Verma *INDIA*

Visual and clinical outcome in patients with corneal laceration

F. Vingopoulos, S. Palioura *GREECE*

Bilateral episcleritis, erythema nodosum and atrial fibrillation

N. Visser, R. Nuijts *THE NETHERLANDS*

Chemical injury following trifluridine use in a patient with acyclovir-resistant herpes simplex virus keratitis

W. Wan Abdul Halim, A. Zahidin, S. Goh, K. Then *UK*

Alternative culture media for corneal scraping specimen of fungal corneal ulcer: a case report

Keratoconus and Collagen Cross-linking

J. Alio Del Barrio, J. Alio, M. El Zarif, M. de Miguel, A. Azaar,

N. Makdissy, W. Harb *SPAIN*

Regenerative medicine of the corneal stroma for advanced keratoconus: one year outcomes

E · POSTERS

K. Anastasios *GREECE*

Epithelial remodeling after myopic photorefractive keratectomy: comparison of stand – alone with PRK combined with prophylactic high – fluence cross - linking.

K. Anastasios *GREECE*

Hyperopic LASIK combined with higher-fluence topography-customized application of CXL irradiation.

K. Anastasios *GREECE*

Clinical prevalence of familiar association in keratoconus (KCN): tomographic evaluation of KCN patient parents

K. Anastasios *GREECE*

Keratoconus management: long term stability of topography-guided normalization combined with high-fluence CXL stabilization (the Athens protocol), in paediatric patients.

R. Atia, L. Jouve, O. Sandali, L. La Roche, V. Borderie, N. Bouheraoua *FRANCE*

Early epithelial remodeling after standard and iontophoresis corneal collagen cross-linking, as evaluated by spectral domain OCT

L. Bataille, F. Cavas Martánez, D. Fernández Pacheco, J. Velázquez, J. Bolarán, J. Alio *SPAIN*

Comparison of corneal surface measurements in normal and keratoconic eyes. a comprehensive model for disease detection

L. Bataille, F. Cavas Martánez, D. Fernández Pacheco, J. Velázquez, J. Bolarán, J. Alio *SPAIN*

Optical and volumetrical characterisation of the corneal asymmetry in keratoconus and application in its detection

J. Brekelmans, K. Rieff, M. Dickman, A. Brandis, A. Marcovich, A. Scherz, R. Nuijts *THE NETHERLANDS*

Comparison of wst-d/near infrared and riboflavin/ultraviolet a cross-linking treatments on corneal resistance to collagenase digestion.

C. Cagini, F. Riccitelli, F. Piccinelli, M. Messina, H. Dua *ITALY*

Corneal collagen cross-linking in very thin keratoconic corneas: a new technique

C. Cagini, G. Torroni, M. Messina, M. Mariniello, A. Modugno, F. Riccitelli, H. Dua *ITALY*

Efficacy of microemulsion of fatty acids of the ω -3 series (DHA-EPA) on the sub-epithelial corneal nerve plexus regeneration in keratoconus patients after epithelium-off corneal collagen cross-linking

E. Chorro, L. Bataille, J. Alio, F. Versaci, S. Faini, A. Vega *SPAIN*

Refractive and aberrometric outcomes in the treatment of keratoconus with ICRS based on neural network's best choice

E. Chorro, L. Bataille, J. Alio, A. Vega, M. Prieto, A. Cardona, D. Rivera *SPAIN*

Evolution of the clinical profile from early to advanced keratoconus with principal components analysis

L. Daniel Raj Ponniah, H. Anandan *INDIA*

Femto assisted cross-linking in dampening progression of keratoconus: a longitudinal study

M. El Bakkali, M. Belmekki, A. Sami, Y. Oumzil *MOROCCO*
Pediatric keratoconus in Morocco

A. Ferdi, V. Nguyen, J. Tan, J. Khadka, K. Pesudovs, S. Watson *AUSTRALIA*

The keratoconus outcomes research questionnaire (KORQ) in routine clinical practice across 3 sites in Australia: Results from the Save Sight Keratoconus Registry

P. Fournie, B. Cochener, F. Chiambaretta, M. Muraine, V. Borderie, J. Bourges, D. Touboul *FRANCE*

Development of a questionnaire to quantify the impact of the keratoconus and its treatments on patients' daily life: qualitative phase

J. Gong, J. Welch *UK*

An unusual reaction to corneal collagen cross-linking in a patient with alpha-1 antitrypsin deficiency

S. Holland, D. Lin, S. Arba Mosquera, M. Al Obthani *CANADA*

Phototherapeutic keratectomy or topographic guided photorefractive keratectomy with corneal collagen cross-linking for keratoconus?

S. Holland, D. Lin, M. Al Obthani, S. Arba Mosquera *CANADA*

Outcome of topography-guided photorefractive keratectomy with cross-linking for post-LASIK ectasia with high speed laser

M. Kamel *SAUDI ARABIA*

Transepithelial photorefractive keratectomy with collagen cross-linking for post LASIK ectasia and progressive keratoconus

A. Khalimov, M. Bikbov, N. Shevchuk, G. Bikbova, E. Usubov *RUSSIA*

Levels of riboflavin in the aqueous humour of the anterior chamber of the rabbit's eye in standard and transepithelial UV corneal cross-linking with iontophoresis

L. Khalimova, M. Bikbov, E. Usubov, L. Khalimova *RUSSIA*

Biomechanical parameters of porcine corneas after standard, accelerated and pulse light-accelerated uv-a corneal cross-linking

I. Kontari, A. Kanellopoulos *GREECE*

Ten-year outcomes of corneal cross-linking combined with partial topo-guided excimer (Athens protocol) for keratoconus

V. Liarakos, K. Giannopoulou, G. Karastatiras, N. Kappos, I. Tzavella, E. Kiskira, D. Lioumi *GREECE*

A novel combined technique for advanced progressive keratoconus. femtosecond laser assisted Bowman layer implantation combined with corneal cross-linking (femto Bowman inlay + cross-linking; FBI Xtra)

D. Lin, S. Holland, M. Al Obthani, S. Arba Mosquera *CANADA*

Two year result of topography-guided photorefractive keratectomy with cross-linking for keratoconus with high speed laser

C. Madeira, A. Vasques, G. Godinho, J. Pinheiro Costa, M. Falcao, F. Falcao Reis *PORTUGAL*

Conventional versus transepithelial accelerated corneal collagen cross-linking

E · POSTERS

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Opening Hours

Registration

Thursday 20 September 12.00 – 19.00

Friday 21 September 07.00 – 18.30

Saturday 22 September 07.00 – 18.45

Speaker Check-in

Thursday 20 September 12.00 – 19.00

Friday 21 September 07.00 – 18.30

Saturday 22 September 07.00 – 17.30

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Friday 21 September 09.00 – 18.00

Saturday 22 September 09.00 – 18.00

Annual General Meeting

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Friday 21 September 15.00 – 15.30

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Friday 21 September, 18.30

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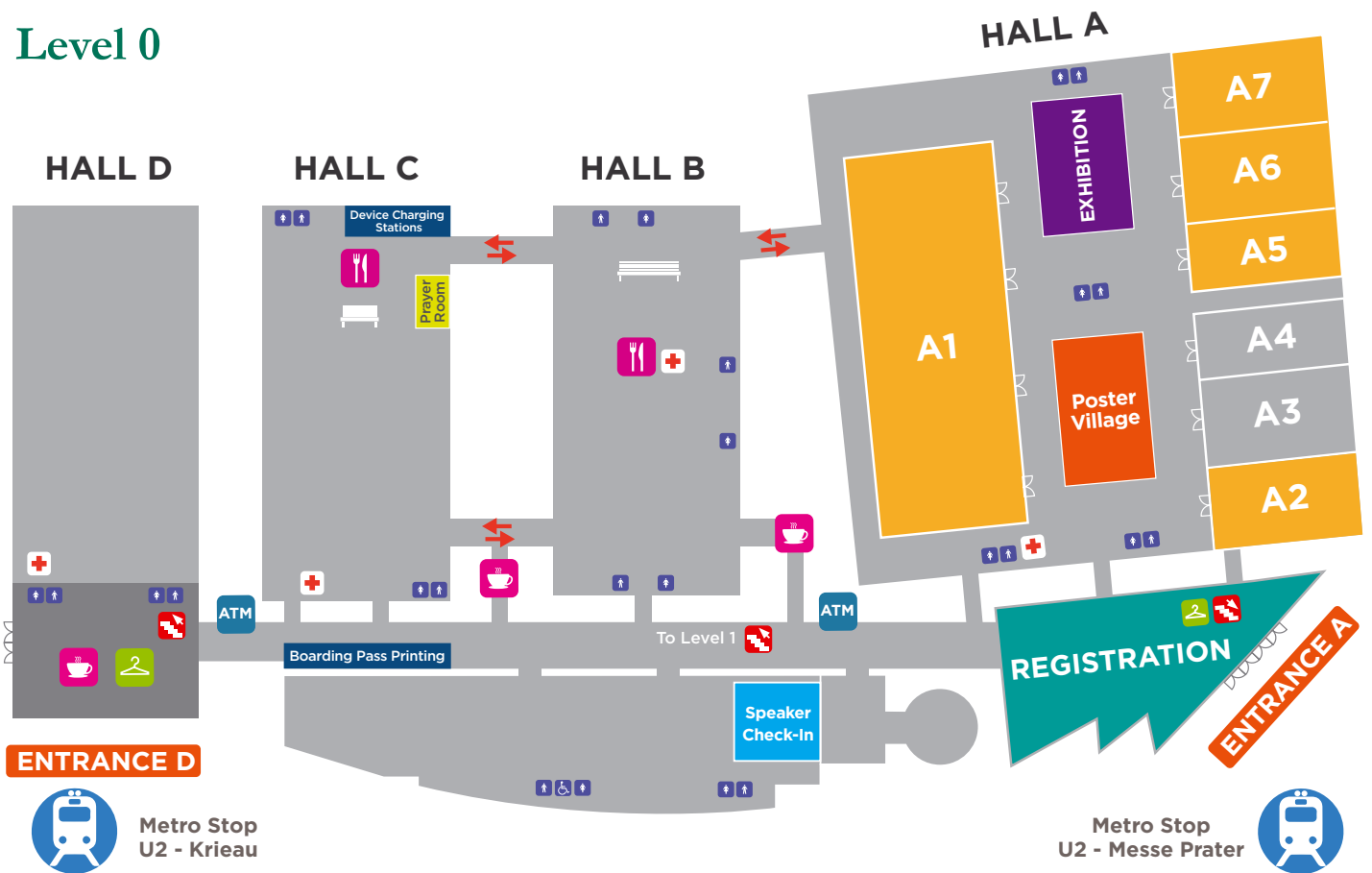
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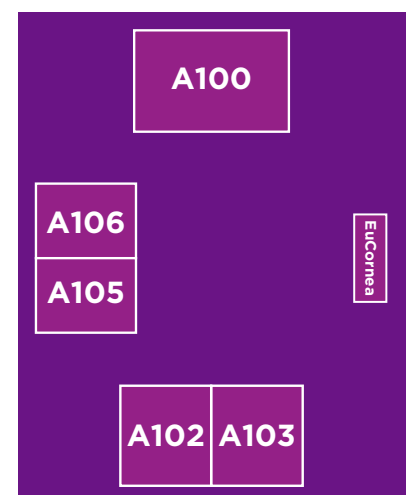


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Room A6

Stepwise Approach to Ocular Burns

Moderator: J. Hjortdal *DENMARK*

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Rare Diseases 

13.00 – 14.00

Room A7

A Spotlight on Dry Eye Disease: The Role of Ciclosporin A

Moderator: B. Früh *SWITZERLAND*

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Saturday 22 September

Morning Symposia
10.00 – 11.00

Room A6

Clinical Perspectives on Dry Eye Disease: Is it Progressive?

Moderator: H. Dua *UK*

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Lunchtime Symposia
13.00 – 14.00

Room A2

Clinical Insights into Neurotrophic Keratopathy: From Corneal Sensitivity Testing to Recent Advances in Disease Management

Moderator: H. Dua *UK*

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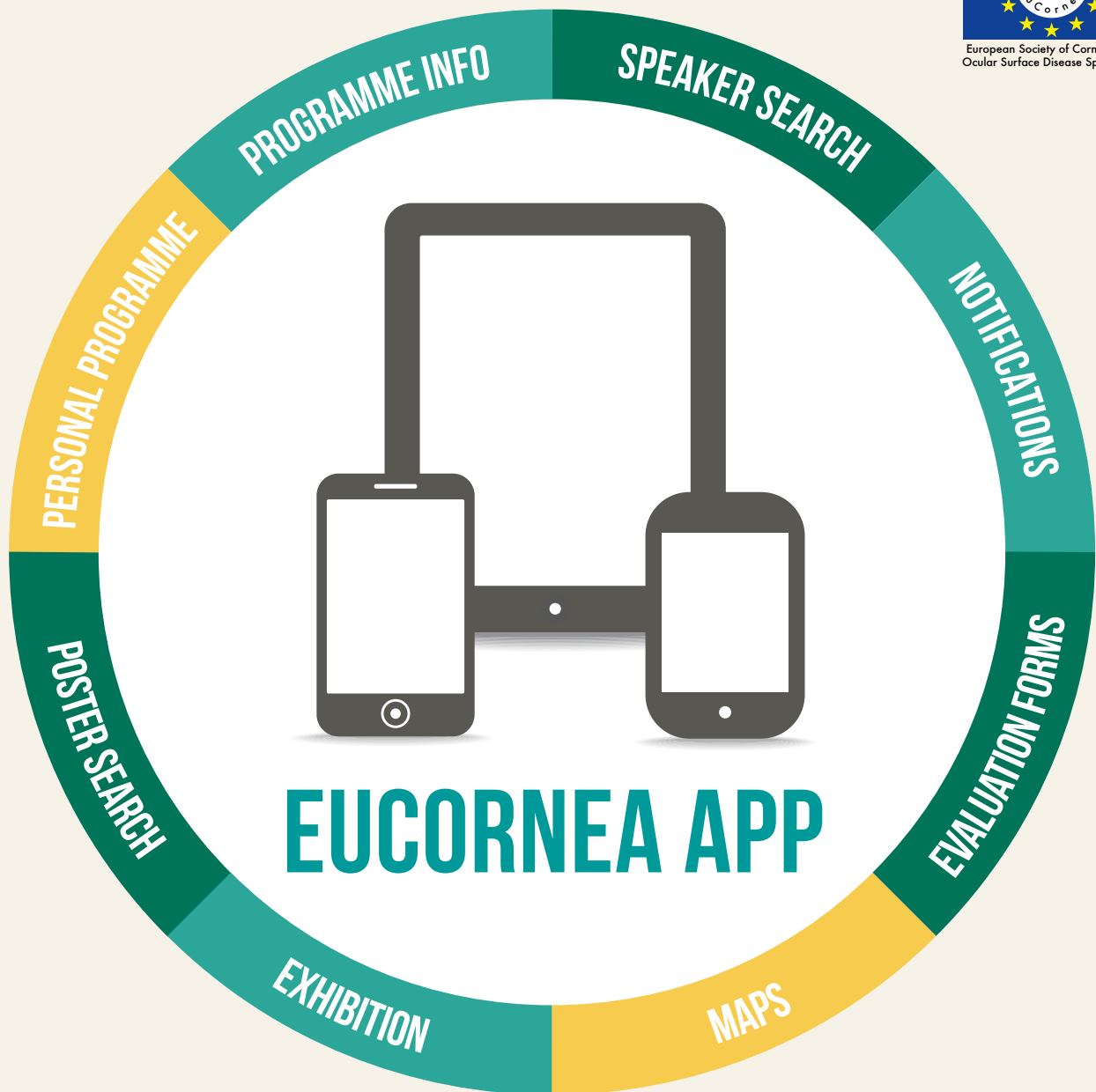
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Friday 21 September
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All Delegates Welcome



European Society of Cornea and
Ocular Surface Disease Specialists

9th EuCornea Congress
Reed Messe, Vienna, Austria

STEPWISE APPROACH TO OCULAR BURNS

Friday 21st September 2018
13:00 – 14:00 | Room A6



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