



8th EuCornea Congress

LISBON

2017

6–7 October

Programme



9TH EU CORNEA CONGRESS VIENNA 2018

21 - 22 SEPTEMBER



European Society of Cornea and
Ocular Surface Disease Specialists

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CONTENTS

EuCornea Board	2
Message from the President	3
Scientific Programme Overview	4
Opening Ceremony	5
Scientific Sessions – Friday	6
Scientific Sessions – Saturday	12
Presented Posters	17
E-Posters	19
General Information	27
Exhibition and Congress Centre Floorplan	30
EuroTimes Satellite Education Programme	32
Index	34

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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 Lisbon for the 8th 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 four Free Paper Sessions.

The EuCornea Medal lecture will be given during the Opening Ceremony on Friday at 5.30pm. This year this esteemed lecture will be presented by Past President of EuCornea Prof. Francois Malecaze on the topic of “Keratoconus: What We Have Accomplished and What is Still Left to Do”.

EuCornea is delighted to be once again partnering its annual meeting with the XXXV Congress of the ESCRS. As part of this collaboration, a combined EuCornea/ ESCRS Symposia will take place on Saturday on the topic of ‘The Irregular Cornea’.

Finally I would like to thank all organisers and speakers for their invaluable role in creating such a high calibre scientific programme for the 8th Congress.

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

A handwritten signature in black ink, reading 'F. Kruse'.

Fredrich Kruse
President, EuCornea

	Room 3.6	Room 3.2
08.00		
09.00	Free Paper Session 1 Corneal Transplantation	Free Paper Session 2 Infections and Inflammation
10.00	<i>Focus Session 1</i> Neurotrophic Keratopathy Harminder Dua & José Güell	<i>Course 1</i> From Eye Banking to Tissue Laboratories Jesper Hjortdal & Marc Muraine
11.00	Break	Break
12.00	<i>Focus Session 2</i> Allergic Eye Disease François Malecaze & Harminder Dua	<i>Course 2</i> Two Common Corneal Procedures: Corneal Gluing and Corneal Sampling Harminder Dua
13.00		<i>Course 3</i> Cross Linking François Malecaze & Beatrice Frueh
14.00	Lunch Break	
15.00	<i>Focus Session 3</i> Ocular Surface Tumors George Kymionis & Harminder Dua	<i>Course 4</i> Recognising Corneal Dystrophies Vincent Borderie & Hans Ulrik Moeller
16.00	Break	Break
17.00	<i>Focus Session 4</i> Infectious Keratitis Marc Labetoulle & Beatrice Cochener	<i>Course 5</i> Lamellar Grafting Rudy Nuijts & José Güell & Vincenzo Sarnicola
18.00	<i>Opening Ceremony</i> Keynote Lecture - "Keratoconus: What We Have Accomplished, and What is Still Left To Do" François Malecaze	<i>Course 6</i> Diagnosis Techniques For Ocular Surface Beatrice Cochener
19.00		

Saturday 7 October

	Room 3.6	Arena
08.00		
09.00	Free Paper Session 4 Corneal Transplantation	
10.00	<i>Focus Session 5</i> Controversies in Corneal Treatment Friedrich Kruse & Jesper Hjortdal	
11.00	Break	
12.00	<i>Focus Session 6</i> Corneal and Ocular Surface Imaging: A True Revolution José Güell & Beatrice Cochener	
13.00		
14.00	Lunch Break	
15.00		ESCRS/EUCORNEA Symposium The Irregular Cornea
16.00	Break	
17.00	<i>Focus Session 7</i> Long Term Results in Keratoplasty Dan Epstein & Friedrich Kruse	
18.00		

OPENING CEREMONY

Friday 6 October

Room 3.6

17.30 – 18.30

- 17.30 **F. Kruse** *GERMANY, PRESIDENT, EUCORNEA*
Introduction and Welcome Address
- 17.35 **J. Murta** *PORTUGAL*
- 17.40 **F. Malecaze** *FRANCE*
EuCornea Medal Lecture
- 18.10 **F. Kruse** *GERMANY*
Presentation of EuCornea Medal
- 18.15 **F. Kruse** *GERMANY*
Best Poster Award
- 18.25 Closing Remarks
- 18.30 End of Session

EUCORNEA MEDAL LECTURE



Keratoconus: What We Have Accomplished And What Is Still Left To Do?

François Malecaze *FRANCE*

Prof. François Malecaze is Head of the Ophthalmology Service Unit at Toulouse-Purpan Hospital, France. He undertook medical studies at Toulouse University (1971-1977) and then a residency program, from 1977 to 1983, at the Toulouse-Purpan Hospital. He obtained his PhD thesis in the INSERM research unit in Paris in 1992. He is Head of the Research Ophthalmic group in the “UDEAR” unit (INSERM), Coordinator of the French National Reference Center for Keratoconus (CRNK) and President of the French Society of Refractive Surgery (SAFIR).

Prof. Malecaze is internationally recognized as a key opinion leader in the field of corneal and refractive surgery, corneal diseases (keratoconus), molecular biology and genetics of cornea and myopia. His contributions to these fields have resulted in numerous prizes and awards such as the National Prize of the Jean Dalloz Foundation and research funding from the ESCRS.

Prof. Malecaze is past-president of EuCornea and member of various international scientific societies, such as the ESCRS, the Association for Research in Vision and Ophthalmology (ARVO), and the American Academy of Ophthalmology (AAO). He has submitted a number of patent requests, is regularly invited to speak in international meetings, is author of more than 220 international publications and has contributed to 20 book chapters on topics related to the cornea and refractive surgery.

FRIDAY 6 OCTOBER

Room 3.6

08.00 – 09.00

Free Paper Session 1

Corneal Transplantation 1

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

- 08.00 **M. Daniell, K. Brown** *AUSTRALIA*
Tissue-engineered Descemet's stripping endothelial keratoplasty, in vivo proof of concept in sheep
- 08.08 **O. Buznyk, M.M. Islam, S. Iakymenko, N. Pasychnikova, M. Griffith** *UKRAINE*
Outcomes of cell-free biomimetic implants as human donor cornea substitutes for high risk keratoplasty
- 08.16 **J. Alió del Barrio, J. Alio, M. El Zarif, M. de Miguel, A. Azaar, N. Makdissy, W. Harb** *SPAIN*
Corneal stroma enhancement by decellularized stromal grafts transplantation for advanced keratoconus
- 08.24 **M. Haagdorens, V. Cepla, M. Kozak Ljunggren, M.J. Tassignon, S. Thys, M. Griffith, N. Zakaria** *BELGIUM*
Self-assembling collagen-like-peptide nano-implants as stem cell-loaded substitutes to human cornea transplantation
- 08.32 **K. van Dijk, I. Dapena, E. Groenveld van Beek, J. Lie, L. Ham, G. Melles, J. Parker** *USA*
Five year clinical results of Bowman layer transplantation
- 08.40 **V. Mas-Tur, D.G. Said, H. Dua** *UK*
Pre-Descemet's endothelial keratoplasty: the PDEK clamp for successful PDEK
- 08.48 **M. Dickman** *THE NETHERLANDS*
European registry for quality improvement in corneal transplantation surgery
- 08.56 Discussion
- 09.00 End of session

Room 3.2

08.00 – 9.00

Free Paper Session 2

Infections and Inflammation

Moderators: F. Malecaze *FRANCE*
P. Fournie *FRANCE*

- 08.00 **M. Cabrera Aguas, D. Robaei, S. Watson** *AUSTRALIA*
Outcomes of herpes simplex keratitis in patients with a corneal graft
- 08.08 **S. Barros, S. Parreira, D. Lopes, M. Pereira, N. Campos** *PORTUGAL*
Solving 'Rubik's Cornea' – atypical Cogan's syndrome
- 08.16 **H. Jasim, J. Hoffman, H. Bobat, S. Cook, D. Tole** *UK*
Incidence of acanthamoeba keratitis in the UK in 2015
- 08.24 **J. Goh, R. Harrison, S. Hau, C. Alexander, D. Tole, V. Avadhanam** *UK*
Comparison of confocal microscopy, PCR and corneal culture for the early diagnosis of acanthamoeba keratitis
- 08.32 **A. Raghavan, S. Baidwal, R. Rajaram, N. Venkatapathy, R. Rammohan** *INDIA*
Is acanthamoeba the ultimate opportunist: preliminary report of the first 100 cases enrolled in the acanthamoeba-fungal keratitis study
- 08.40 **S. Tavassoli, M. Buckle, D. Tole, P. Chiodini, K. Darcy** *UK*
The use of miltefosine in the management of refractory acanthamoeba keratitis.
- 08.48 **E. Wisiak, B. Vidic, N. Ardjomand** *AUSTRIA*
Excimer laser treatment for acanthamoeba keratitis
- 08.56 Discussion
- 09.00 End of session

FRIDAY 6 OCTOBER

Room 3.2

09.00 – 10.00

Instructional Course 1

From Eye Banking to Tissue Laboratories

Moderators: **J. Hjortdal** DENMARK
M. Muraine FRANCE

- 09.00 **G. Thuret** FRANCE
Improving corneal storage with the bioreactor
- 09.10 **S. Ferrari** ITALY
Optimizing preservation conditions for lamellar corneal grafts
- 09.20 **N. Zakaria** BELGIUM
Update on cultivated limbal epithelial transplantation
- 09.30 **S. Oellerich** THE NETHERLANDS
Perspectives for transplantation of laboratory expanded endothelial cells
- 09.40 **H. Dua** UK
Standardized preservation of human amniotic membranes
- 09.50 Discussion
- 10.00 End of session

Room 3.6

09.00 – 10.30

Focus Session 1

Neurotrophic Keratopathy

Moderators: **H. Dua** UK
J. Güell SPAIN

- 09.00 **H. Dua** UK
Pathophysiology of neurotrophic keratopathy
- 09.20 **D.G. Said** UK
Clinical presentations
- 09.40 **P. Rama** ITALY
Medical management
- 10.00 **J. Güell** SPAIN
Surgical management
- 10.20 Discussion
- 10.30 End of session

FRIDAY 6 OCTOBER

Room 3.2

10.30 – 11.30

Instructional Course 2

Two Common Corneal Procedures: Corneal Gluing and Corneal Sampling

Moderator: H. Dua *UK*

Presenters: D.G. Said *UK*
R. Jayaswal *UK*

Corneal Gluing

Cyanoacrylate glue: Properties, indications, technique (direct, with disc support, double drape technique), follow up of patients and sequelae

Fibrin glue: Theory and properties, indications in ocular surface surgery and pathology, technique, fate of glue. Unconventional applications

Corneal sampling

Scrapes and swabs: From conjunctiva and cornea for microbial detection. Techniques of plating, smears on slides, storage and transport - Variations for viral, bacterial, fungal and parasitic infections

Alcohol delamination: Diagnostic and therapeutic indications, techniques and sample handling and preparation

Cornea biopsy: When, where, how and how many - processing for light and electron microscopy, culture and polymerase chain reaction testing

Conjunctival biopsy for mucus membrane pemphigoid/OCP; tumours: Technique, closure of defect created, sample preparation and handling

Room 3.6

11.00 – 12.30

Focus Session 2

Allergic Eye Disease

Moderators: F. Malecaze *FRANCE*
H. Dua *UK*

- 11.00 **A. Leonardi** *ITALY*
Immune mechanisms in allergic eye disease
- 11.13 **H. Dua** *UK*
Clinical spectrum of allergic eye diseases
- 11.26 **M. Nubile** *ITALY*
Medical management of allergic eye diseases
- 11.39 **J.J. Gicquel** *FRANCE*
Interventions and surgery in allergic eye diseases
- 11.52 **A. Young** *UK*
Managing the aftermath/sequelae of allergic eye disease
- 12.05 **C. Karp** *USA*
Ocular surface squamous neoplasia in patients with atopy: unique challenges and issues
- 12.18 Discussion
- 12.30 End of session

FRIDAY 6 OCTOBER

Room 3.2

11.30 – 12.30

Instructional Course 3

Cross Linking

Moderators: **F. Malecaze** *FRANCE*
B. Frueh *SWITZERLAND*

- 11.30 **T. Seiler** *GERMANY*
Theory and evolution of CXL
- 11.40 **J. Hjortdal** *DENMARK*
Natural course of keratoconus and evidence of the efficacy of conventional CXL
- 11.50 **A. Caporossi** *ITALY*
CXL outcomes using Epi-on and Epi-off
- 12.00 **F. Malecaze** *FRANCE*
Topo-guided CXL for keratoconus and low myopia
- 12.10 **G. Kymionis** *SWITZERLAND*
Combined refractive surgery and corneal cross linking in keratoconic and refractive patients
- 12.20 Discussion
- 12.30 End of Session

Room 3.2

14.00 – 15.00

Instructional Course 4

Recognising Corneal Dystrophies

Moderators: **V. Borderie** *FRANCE*
H.U. Møller *DENMARK*

- 14.00 **H.U. Møller** *DENMARK*
An introduction to corneal dystrophies
- 14.10 **J. Hjortdal** *DENMARK*
Fuchs corneal endothelial dystrophy
- 14.20 **V. Borderie** *FRANCE*
Other corneal endothelial dystrophies
- 14.30 **M. Busin** *ITALY*
TGFBI/BIGH3-related corneal dystrophies
- 14.40 **C. Bredstrup** *DENMARK*
Stromal dystrophies unrelated to TGFBI/BIGH3
- 14.50 **A. Labbé** *FRANCE*
Epithelial and basement membrane dystrophies
- 13.00 End of session

FRIDAY 6 OCTOBER

Room 3.6

14.00 – 15.30

Focus Session 3

Ocular Surface Tumors

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

- 14.00 **S. Palioura** USA
Etiopathogenesis and diagnosis of ocular surface tumours
- 14.15 **H. Dua** UK
Medical management of OST (OSSN + melanoma)
- 14.30 **A. Schalenbourg** SWITZERLAND
Surgical management of OST (OSSN + melanoma)
- 14.45 **R. Parrozzoni** ITALY
Monitoring and follow up of patients with OST
- 15.00 **C. Karp** USA
How OCT has revolutionised my practice of ocular surface oncology
- 15.15 Discussion
- 15.30 End of session

Room 3.2

15.30 – 16.30

Free Paper Session 3

Keratoconus and Collagen Cross Linking

Moderators: **B. Frueh** SWITZERLAND
P. Maier GERMANY

- 15.30 **T.G. Seiler, P. Shao, A. Eltony, B. Frueh, S.H. Yun, T. Seiler** SWITZERLAND
In vivo Brillouin-shifts of crosslinked and uncrosslinked corneas in keratoconus
- 15.38 **L. Malheiro, J. Coelho, I. Casal, M. Neves, M. Gomes, L. Oliveira** PORTUGAL
Unmasking keratoconus: effect of corneal epithelium on keratoconus topography
- 15.46 **P. Padmanabhan, S. Rachapalle Reddi** INDIA
Long term outcomes of unilateral corneal collagen crosslinking (CXL) for bilateral keratoconus in paediatric patients – comparative contralateral study
- 15.54 **J. Hogden, S. Holland, D. Lin, N. Davey** CANADA
PTK or PRK with corneal collagen cross linking – chasing superior outcomes
- 16.02 **S. Holland, D. Lin, J. Hogden, N. Davey** CANADA
Topography-guided photorefractive keratectomy with collagen cross linking for keratoconus
- 16.10 **A. Bardan, D. Healy, M. Nanavaty** UK
Outcomes of excimer laser surface ablation prior to, simultaneously, or after cross linking in keratoconic eyes
- 16.18 **L. Raj Ponniah, D. Raj Ponniah, A. Agarwal** INDIA
Femto-assisted cross linking better than conventional: proof of concept of ‘deeper the better’
- 16.26 Discussion
- 16.30 End of session

FRIDAY 6 OCTOBER

Room 3.6

16.00 – 17.30

Focus Session 4

Infectious Keratitis

Moderators: **M. Labetoulle** FRANCE
B. Cochener FRANCE

- 16.00 **T. O'Brien** USA
Severity of emerging bacterial resistance on ocular surface
- 16.15 **G.M. Verjans** THE NETHERLANDS
Clinical impact of antiviral resistance on ocular herpetic infections
- 16.30 **J. Merayo** SPAIN
Update in demodex contamination or infection of ocular surface
- 16.45 **E.M. Messmer** GERMANY
Role of bacteria in meibomian gland dysfunction
- 17.00 **J. Knoeri** FRANCE
Management of complex combined corneal infections
- 17.15 Discussion
- 17.30 End of session

Room 3.2

16.30 – 17.30

Instructional Course 5

Lamellar Grafting

Moderators: **R. Nuijts** THE NETHERLANDS
J. Güell SPAIN
V. Sarnicola ITALY

- 16.30 **C. Cursiefen** GERMANY
Case Presentation
- 16.35 **N. Alejandro-Alba** SPAIN
Case Presentation
- 16.40 **C. Sarnicola** ITALY
Case Presentation
- 16.45 **M. Muraine** FRANCE
Case Presentation
- 16.50 **B. Allan** UK
Case Presentation
- 16.55 **S. Hannush** USA
Case Presentation
- 17.00 **J. Hjortdal** DENMARK
Case Presentation
- 17.05 Discussion
- 17.30 End of session

OPENING CEREMONY

Friday 6 October

Room 3.6

17.30 – 18.30

See page 5 for full programme



FRIDAY 6 OCTOBER

Room 3.2

17.30 – 18.30

Instructional Course 6

Diagnostic Techniques for Ocular Surface

Moderator: B. Cochener *FRANCE*

Part 1 **F. Chiambaretta** *FRANCE*
Clinical assessment of dry eye: slit lamp and dye tests

Part 2 **B. Cochener** *FRANCE*
New imaging tools for assessment of ocular surface

SATURDAY 7 OCTOBER

Room 3.6

08.00 – 09.00

Free Paper Session 4

Corneal Transplantation 2

Moderator: F. Kruse *GERMANY*

- 08.00 **S. Oellerich, K. van Dijk, L. Baydoun, J. Peraza-Nieves, P. Binder, G. Melles** *THE NETHERLANDS*
Multicenter study on Descemet's membrane endothelial keratoplasty (DMEK)
- 08.08 **O. Oganessian, A. Grdikanyan, V. Getadaryan, S. Milash** *RUSSIA*
Partial Descemet's membrane endothelial keratoplasty (½ and ¼ DMEK)
- 08.16 **F. Arnalich-Montiel, A. Perez-Sarriegui, L. Porrua Tubio** *SPAIN*
Pupillary abnormalities in Descemet's membrane endothelial keratoplasty
- 08.24 **J. Cabrerizo** *DENMARK*
In vivo confocal microscopy assessment of Descemet-stromal interface healing in Descemet's membrane endothelial keratoplasty
- 08.32 **E. Marziali, O. Caporossi, E. Favuzza, R. Mencucci** *ITALY*
Descemet stripping endothelial keratoplasty (DSEK) and Descemet's membrane endothelial keratoplasty (DMEK): a fellow eye comparison
- 08.40 **M. Panagiotopoulos, E. Olafsdottir** *SWEDEN*
Evaluation of tectonic anterior lamellar keratoplasty (LK) for corneal perforations and descemetocele
- 08.48 **F. Price, F.W. Price Jr., M. Price** *USA*
DMEK trifold technique: fact or fiction – does it aid in unfolding and reduce cell loss?
- 08.56 Discussion
- 09.00 End of session

SATURDAY 7 OCTOBER

Room 3.6

09.00 – 10.30

Focus Session 5

Controversies in Corneal Treatment

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

- 09.00 **J. Dart** *UK* vs **B. Seitz** *GERMANY*
 Acantamoeba keratitis is best treated by early keratoplasty
- 09.14 Discussion
- 09.18 **F. Hafezi** *SWITZERLAND* vs **F. Larkin** *UK*
 Corneal cross linking for keratitis
- 09.32 Discussion
- 09.36 **G.A. Kontadakis** *GREECE* vs **D. Touboul** *FRANCE*
 Early keratoconus is best treated by topography-guided laser ablation and cross linking
- 09.50 Discussion
- 09.54 **M. Busin** *ITALY* vs **F. Kruse** *GERMANY*
 Ultrathin DMEK rather than DMEK as the best treatment for endothelial dysfunction
- 10.08 Discussion
- 10.12 **C. Liu** *UK* vs **P. Ramo** *ITALY*
 Bilateral stem cell disease: Boston keratoprosthesis vs oral mucosal expansion
- 10.26 Discussion
- 10.30 End of session

Room 3.6

11.00 – 12.30

Focus Session 6

Corneal and Ocular Surface Imaging: A True Revolution

Moderators: J. Güell *SPAIN*
 B. Cochener *FRANCE*

- 11.00 **R. Ambrosio** *BRAZIL*
 Refinement in videotopography
- 11.15 **D. Reinstein** *UK*
 Focus on epithelial layer with OCT
- 11.30 **E. Hernandez Quintela** *MEXICO*
 Focus on meibomian gland dysfunction with interferometry
- 11.45 **C. Roberts** *USA*
 From viscoelasticity to elastometry of the cornea
- 12.00 **L. Mastropasqua** *ITALY*
 In vivo histology with confocal microscopy
- 12.15 Discussion
- 12.30 End of session

SATURDAY 7 OCTOBER

Arena

14.00 – 15.30

EuCornea/ESCRS Symposium

The Irregular Cornea

Chairpersons: **F. Kruse** *GERMANY (EUCORNEA)*
R. Nuijts *THE NETHERLANDS (ESCRS)*

- 14.00 **H. Dua** *UK*
The keratoplasty cornea
- 14.15 **T. Kohnen** *GERMANY*
Corneal incisions
- 14.30 Discussion
- 14.40 **L. Spadea** *ITALY*
Excimer laser
- 14.55 **J. Murta** *PORTUGAL*
Rings
- 15.10 Discussion
- 15.20 **A. Marinho** *PORTUGAL*
Cataract surgery in irregular astigmatism
- 15.35 **J. Güell** *SPAIN*
Phakic and add-on IOLs
- 15.50 Discussion
- 16.00 End of session

Room 3.6

16.00 – 17.30

Focus Session 7

Long Term Results in Keratoplasty

Moderators: **D. Epstein** *SWITZERLAND*
F. Kruse *GERMANY*

- 16.00 **B. Seitz** *GERMANY*
Survival of the endothelial cells
- 16.13 **TBC** *TBC*
Significance of tissue typing in corneal keratoplasty
- 16.26 **F. Larkin** *UK*
Keratoplasty in herpetic corneal disease
- 16.39 **V. Borderie** *FRANCE*
Long-term results after DALK
- 16.52 **S. Hannush** *USA*
Long-term results after DSAEK
- 17.05 **F. Kruse** *GERMANY*
Mid-term results after DMEK
- 17.18 Discussion
- 17.30 End of session

SATURDAY 7 OCTOBER

Room 4.6 **NEW**

16.45 – 17.45

ECCTR Instructional Course

Course Level: All Levels



Using the European Cornea and Cell Transplant Registry for clinical improvement

Leader: **M. Lundstrom** *SWEDEN*

Faculty: **M. Dickman** *THE NETHERLANDS*

Course outline

This course will inform about the importance of quality improvement work. The ECCTR system will be presented as a tool to improve quality in corneal transplant surgery. Legal aspects of an international registry including ownership of data and ethical aspects will be discussed. Detailed instructions of how to enter data into the system and take out reports will be given.

Course objectives

Inform about quality improvement work. Provide knowledge about the ECCTR system. Inform about legal aspects of an international disease registry. Provide knowledge about how to enter data into the system. Provide knowledge about how to take out data from the system.

Course schedule

16.45	The concept of quality improvement in healthcare
16.55	Quality Registry – ECCTR
17.15	Legal aspects
17.20	Reporting data – input of data
17.35	Take out reports – output of data
17.45	End of session



European Society of Cornea and
Ocular Surface Disease Specialists

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Reduced Author Fees in JEuCornea

www.eucornea.org

PRESENTED POSTERS**INTERACTIVE****Friday 6 October**

11.00 – 12.00

Session 1**Poster Village: Pod 1****Moderator:** M. Nubile *ITALY*

- 11.00 **V. Borderie** *FRANCE*
New insight into corneal mechanics and physiology: exploring banding patterns
- 11.05 **I. Dapena** *THE NETHERLANDS*
Surgical modifications and clinical outcomes of advanced Descemet's membrane endothelial keratoplasty (DMEK) in complex endothelial disorders
- 11.10 **M. Dickman** *THE NETHERLANDS*
Long-term outcomes of repeated corneal transplantations – A Dutch registry study
- 11.15 **T. Garcin** *FRANCE*
Long-term corneal storage in a innovative bioreactor versus organ culture: randomized controlled preclinical study
- 11.20 **F. Majo** *SWITZERLAND*
Deep limbal graft to treat deep corneal neovascularization
- 11.25 **O. Oganessian** *RUSSIA*
Descemet's membrane endothelial keratoplasty (DMEK) in complicated cases
- 11.30 **J. Van Rooij** *THE NETHERLANDS*
Functional outcome after conventional penetrating, inverted mushroom and DSAEK corneal transplantation techniques for Fuch's endothelial dystrophy
- 11.35 **A. Villarrubia** *SPAIN*
DALK small bubble technique assisted with femtosecond laser
- 11.40 **N. Yamada** *JAPAN*
Descemet's membrane endothelial keratoplasty (DMEK) after transscleral-sutured posterior chamber intraocular lens implantation and pars plana vitrectomy
- 11.45 **V. Zygora** *THE NETHERLANDS*
Quarter-DMEK for Fuchs' endothelial dystrophy: 1-6 months outcomes
- 11.50 **O. Al-Shymali** *SPAIN*
Femtosecond laser (FS)-assisted tuck in penetrating keratoplasty (PKP) for severe keratoglobus
- 12.00 End of session

Friday 6 October

14.00 – 15.30

Session 2**Poster Village: Pod 1****Moderators:** J. Hjortdal *DENMARK*
A. Ivarsen *DENMARK*

- 14.00 **R. Arora** *INDIA*
Repeat deep anterior lamellar keratoplasty for failed primary anterior lamellar keratoplasty
- 14.05 **L. Baydoun** *THE NETHERLANDS*
Quantitative assessment of aqueous flare after DMEK shows persistent subclinical inflammation
- 14.10 **M. Bhogal** *UK*
Presence of an intact basement membrane enhances corneal endothelial cell migration, proliferation and maintenance of a normal phenotype in-vivo
- 14.15 **R. Birbal** *THE NETHERLANDS*
Dark endothelial spots after Descemet's membrane endothelial keratoplasty (DMEK) may impose as recurrent Fuchs' dystrophy
- 14.20 **J. Cabrerizo** *DENMARK*
Femtosecond laser-assisted graft preparation for limbal stem cell transplantation
- 14.25 **J. Cabrerizo** *DENMARK*
The effect of positioning on gas-endothelial contact in Descemet's membrane endothelial keratoplasty (DMEK)
- 14.30 **I. Carneiro** *PORTUGAL*
Descemet's stripping automated endothelial keratoplasty (DSAEK) as a therapeutic option after penetrating keratoplasty endothelial failure
- 14.35 **J. Coelho** *PORTUGAL*
Correction of ametropias with phakic intraocular lens after deep anterior lamellar keratoplasty (DALK) performed with big bubble technique
- 14.40 **D. Cordeiro Sousa** *PORTUGAL*
Flight cabin-induced hypoxemia affects intraocular pressure and central corneal thickness
- 14.45 **Y. Abdalla** *UK*
Assessment of AS-OCT in measuring the clinical course of acanthamoeba keratitis(AK) in University Hospital of Southampton Eye Unit
- 14.50 **G. Laurinavičiūtė** *LITHUANIA*
Langerhans cells density of the central cornea by in vivo confocal microscopy in type 2 diabetes mellitus

Join the presenters of this year's posters at the Poster Village, Pod 1, to discuss their posters.

PRESENTED POSTERS

INTERACTIVE

- 14.55 **M. Buckle** *UK*
Immunosuppression in atopic keratoconjunctivitis –
experience from a single centre
- 15.00 **J. Hoffman** *UK*
Acanthamoeba keratitis at a London ophthalmic referral
hospital: a two-year retrospective observational study
- 15.05 **J. Alió del Barrio** *SPAIN*
Cellular therapy with human autologous adipose-derived
adult stem cells for advanced keratoconus
- 15.10 **L. Raj, D. Raj Ponniah** *INDIA*
Cross linked donor corneas resist infections and melts in
Boston type 1 keratoprosthesis: a case series
- 15.15 **T. Verdonck** *BELGIUM*
Amniotic membrane supported autologous conjunctival
transplantation with limbal based flipped amniotic flap for
the treatment of refractory corneal conjunctivalisation
- 15.20 **M. Haagdorens** *BELGIUM*
Recombinant human collagen type 1 hydrogels as superior
cell carriers for corneal epithelial stem cells
- 15.25 **M. Labetoulle** *FRANCE*
Efficacy of heparan sulfate mimetic polymers in Cogan's
epithelial basement membrane dystrophy
- 15.30 End of session

Basic Science

S. Barros, D. Lopes, S. Parreira, I. Machado, M. Pereira, N. Campos *PORTUGAL*

Ultrasound ciliary plasty treatment in glaucoma secondary to Axenfeld-Rieger syndrome

J. Costa, F. Neves, L. Figueiredo, J. Braga, C. Arede *PORTUGAL*

Variation of the posterior corneal surface in high myopic eyes submitted to Q-value guided laser in situ keratomileusis (LASIK)

E. Favuzza, A. Brescacin, A. Bitossi, R. Mencucci *ITALY*

Pre-Descemet corneal stromal layer: an electron microscopy study

R. Hernandez Vian, G. Lopez Valverde, A. Gavin, A. Mateo Orobio, E. Del Prado Sanz, M. Idoipe Corta, P. Julvez *SPAIN*

Contrast sensibility study between patients with AMO Tecnis Toric Aspheric ZCTT IOL and AMO Tecnis 1 ZCB00 IOL after cataract surgery

M. Kamel *EGYPT*

Phenotype-genotype correlation in clinically-diagnosed recessive cornea plana

M. Kamel *EGYPT*

Retrospective study of corneal anesthesia in childhood

H. Levis, S. Kennedy, R. Lace, S. Kaye, R. Williams *UK*

Creation of bio-synthetic corneal endothelial grafts for transplantation using novel peptide gels

E. Lorenzo Martin, P. Gallego-Muã Oz, C. Herrero-Perez, F. J. Avila, J. M. Bueno, S. Mar Martinez-Garcia *SPAIN*

Corneal collagen re-organization during healing after alkali burn: clinical, biological and optical correlation

Z. Luznik, L. Lapajne, A. N. Kopitar, A. Ihan, M. Hawlina, P. Schollmayer *SLOVENIA*

Dendritic cell subtypes identification and characterization in preserved and cultured corneolimbal tissue on amniotic membrane

N. Szentmary, L. Latta, A. Langenbacher, B. Seitz, T. Stachon *GERMANY*

Arginase, prolyl-4-hydroxylase and iNOS expression in keratoconus (KC) keratocytes and the effect of iNOS inhibitor 1400W on urea, hydroxyproline and nitrite formation of these cells

A. Turnbull, E. Karmiris, D. Anderson *UK*

Visual loss secondary to bilateral crystalline keratopathy as a sign of progressive multiple myeloma

A. Villarrubia, A. Cano-Ortiz, L. Leon-Ibanez *SPAIN*

Scanning electron microscope analysis of stromal surface regularity in DSAEK using manual or automated microkeratomes or DMEK

N. Zakaria, B. Van Den Bogerd, S. Ni Dhubghaill *BELGIUM*

The lens capsule as a scaffold for corneal endothelial tissue engineering

N. Zakaria, S. Matthyssen, S. Ni Dhubghaill *BELGIUM*

Xeno-free expansion of corneal mesenchymal stem cells: a comparison of alternatives to replace fetal bovine serum in clinical applications

Z. Zita Orosz, A. H. Shemirani, H. Bardos, B. Naga, R. Adany, A. Facsko Muszbek *HUNGARY*

Presence and role of cellular factor XIII in the corneal stroma

Corneal Transplantation

B.A. Budak, S.A. Kivanc *TURKEY*

Tectonic sclerokeratoplasty in refractory microbial keratitis

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

Morphological validation and swept-source analyses of Bowman layer transplantation grafts

F. Cremona, N. Minguez, P. Chiaradia *ARGENTINA*

Recurrence of keratoconus in a corneal graft

O. Daphna *ISRAEL*

An artificial corneal endothelial implant in animal models: 4 year's experience

N. Delwiche, M.J. Tassignon, S. Ni Dhubghaill *BELGIUM*

Regeneration of the corneal endothelium after descemetorhexis: two case reports

D. Dobrowolski, B. Wowra, K. Krysik, E. Wroblewska-Czajka, E. Wylegala *POLAND*

Results of keratoplasty combined with cataract surgery (triple procedure) in aniridia

L. Faraj, H. Dua, M.B. Kenawy, S. Altaan, M.S. Elalfy Katamish *UK*

Dynamics of big bubble formation in deep anterior lamellar keratoplasty (DALK) by the big bubble technique: in vitro studies

T. Gaidamaka, G. Drozhzhyna, K. Sereda, O. Ivanova *UKRAINE*

Using of different transplant material in surgical treatment of patients with complicated herpetic keratitis

A. Gavin Sancho, M. Romero, M. Idoipe, A. Sanchez, A. Mateo, C. Brito Satue *SPAIN*

Evaluation of early graft detachment after Descemet's membrane endothelial keratoplasty (DMEK) using new swept-source optical coherence tomography

A. Geerards, G. Kozdras, S. Van Romunde, L. Remeijer, T. Van Goor, J. Van Rooij *THE NETHERLANDS*

A comparison between microkeratome-assisted lamellar keratoplasty (MALK) transplantation and conventional anterior mushroom for keratoconus

H. Hasani *IRAN, ISLAMIC REPUBLIC OF*

Persistent corneal graft edema management with rho-associated kinase inhibitor

T. Hayashi, I. Oyakawa, A. Matsuzawa, K. Yuda, N. Kato *JAPAN*

Descemet's membrane endothelial keratoplasty (DMEK) using ophthalmic viscoelastic devices for asian eyes with shallow anterior chambers

E-POSTERS

H. Hasani, K. Jadidi, M. Nikkhoo *IRAN, ISLAMIC REPUBLIC OF*

New method in Descemet's stripping automated endothelial keratoplasty (DSAEK)

V. Jovanovic, L. Nikolic, M. Jankov, T. Mrakovic, S. Sukalo *SERBIA*

Treatment of perforated cornea with an autologous lamellar corneal graft

I. Leal, D. Cordeiro Sousa, A.M. Quintas, P. Guerra,

W. Rodrigues *PORTUGAL*

The role of mycophenolate mofetil in high-risk penetrating keratoplasty: the first case-series from a tertiary centre

A.S. Martins, A. Rosa, P. Fonseca, M. Raimundo, M. Santos,

M.J. Quadrado Murta *PORTUGAL*

Minimally invasive iris epithelial cyst excision and Descemet's stripping automated endothelial keratoplasty (DSAEK)

A. Matsuzawa, T. Hayahi, I. Oyakawa, N. Yamada, N.Kato,

H. Takagi *JAPAN*

The use of four asymmetric marks to orient the donor graft during Descemet's membrane endothelial keratoplasty (DMEK)

J. Mendes Pereira, L. Malheiro, C. Abreu, L.M. Neves, M. Gomes,

L. Oliveira *PORTUGAL*

Long-term results in deep anterior lamellar keratoplasty (DALK) performed with big bubble technique

M. Muraine, A. Duncombe, D. Toubeau, J. Gueudry *FRANCE*

Aphakia and aniridia are not a contraindication to endothelial keratoplasty after bullous keratopathy

M. Panagiotopoulos *SWEDEN*

Novel technique for preparation of a large tectonic lamellar graft with femtosecond laser and manually

E. Pedrotti, C. Chierigo, J. Bonetto, P. Talli, T. Merz,

E. Bonacci Marchini *ITALY*

Evaluation of corneal biomechanical behaviour and corneal ex vivo destructive test after different femtolaser-assisted corneal incision patterns for transplantation

S. Perestrelo, P. Cardoso, J. Pinheiro-Costa, L. Torrão, R. Moreira,

F. Falcão-Reis *PORTUGAL*

DSAEK: does the thinner corneal thickness lead to better final visual acuity results?

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

F. Falcao Reis *PORTUGAL*

Descemet's membrane endothelial keratoplasty (DMEK): first impressions

M. Price, A. Gonzalez, M. Feng, F. Price *GERMANY*

Immunologic rejection after DALK: incidence and risk factors

F. Price, M.Feng *USA*

What's new: improvements and advances in DMEK techniques

M. Raimundo, J. Gil, E. Costa, A. Rosa, M.J. Quadrado,

J. Murta *PORTUGAL*

Managing Terrien's marginal degeneration with a crescent-shaped corneo-scleral lamellar keratoplasty and topography-guided laser ablation

L. Raj, D. Raj Ponniah, A. Agarwal *INDIA*

Why I prefer PDEK (pre Descemet's endothelial keratoplasty): advantages over DSEK/DMEK/PK

M. Romero Sanz, M. Romero, M. Idoipe, A. Mateo, A. Sanchez,

E. Garcia-Martián, M. Satue *SPAIN*

Ability of the especially designed therapeutic contact lens HyperCL to remove corneal edema after Descemet's membrane endothelial keratoplasty (DMEK): first results of a pilot study

A. Ross, D. Said, H. Dua *UK*

Visco-dissection in deep anterior lamellar keratoplasty (DALK): histological confirmation of cleavage plane

K. Sereda, G. Drozhzhyna, T. Gaydamaka *UKRAINE*

Cryopreserved amniotic membrane transplantation in patients with inflammatory and degenerative pathology of the cornea

M. Silva, M. Moreira, R. Moreira, F. Falcao Reis,

A. Rocha-Sousa *PORTUGAL*

Is the age of the donor a determining factor in the prognosis of corneal transplantation?

F. Sousa Neves, J. Braga, L. Ribeiro, C. Arede,

J. Sequeira *PORTUGAL*

Management of corneal perforation in a patient with porphyria with amniotic membrane graft

A.K. Tourkmani, A. Turnbull, L. Papaioannou,

A. Konstantopoulos, P. Hossain, D. Anderson *UK*

Descemet's stripping vs. non-Descemet's stripping endothelial keratoplasty in failed penetrating keratoplasty: the importance of preoperative AS-OCT in determining surgical technique

A. Turnbull, A.K. Tourkmani, L. Papaioannou, P. Hossain,

D. Anderson, A. Konstantopoulos *UK*

Hemi non-Descemet's stripping endothelial keratoplasty (hemi-nDSEK) for eccentric acute corneal hydrops

N. Visser, I.E.Y. Saelens, M. Dickman, L.S. Spekreijse,

A.A.C. Van Averbek, R.M.M.A. Nuijts *THE NETHERLANDS*

Long-term clinical outcomes following deep anterior lamellar keratoplasty

E. Wróblewska-Czajka, K. Krysik, D. Dobrowolski, D. Tarnawska,

E. Wylgá *POLAND*

Large penetrating grafts - clinical observations

N. Yesilirmak, M.C. Ozmen, B. Aydin *TURKEY*

DMEK in challenging cases

K. Yuda, T. Hayashi, O. Itaru, N. Kato *JAPAN*

Use of brilliant blue G for graft staining during Descemet's membrane endothelial keratoplasty (DMEK)

Imaging

M. Belmekki, M. El Bakkali MOROCCO

The topographic effects of secondary astigmatism of pterygium

S. Kimyon, A. Mete, K. Gungor TURKEY

Comparison of cornea endothelium in uncontrolled diabetes mellitus and normal population

I. Leal, D. Cordeiro Sousa, A. Magrico, V. Maduro, W. Rodrigues PORTUGAL

In vivo confocal microscopy in cystinosis patients treated with a new gel formulation of topical cysteamine

M. Oliveira, A. Martins, A. Rosa, M.J. Quadrado, J. Murta PORTUGAL

Anterior segment OCT in the early orientation of infectious keratitis

L. Terracciano, M. Cennamo, O. Caporossi, E. Favuzza, R. Mencucci ITALY

An in vivo confocal microscopy study of corneal changes in pseudoexfoliation syndrome (PEX)

Infections and Inflammation

L.B. Alfaya Muñoz, P. De La Roz Martin, I.A. De La Iglesia Aza, R. Martinez Rodriguez, S. Rodriguez Villa, C. Alonso Alvarez, F. Herrero Pintor SPAIN

Cornea nightmare by acanthamoeba: a late case

F. Auerbach, F. Auerbach, S. Sel, R. Khoramnia, T. Tandogan, G. Auffarth GERMANY

Sudden corneal decompensation after facial cosmetic treatment

T. Ayoub, C. Leak, J. Forbes, C. Kribbler UK

Antibiotic resistance in microbial keratitis: 12 year experience of corneal scrapes at a London teaching hospital

S. Balendra, S. Makuloluwe, R. Jayaswal UK

Effective treatment with topical ciclosporin in a steroid-dependent case of non-syphilitic interstitial keratitis

J. Behaegel, S. Ni Dhubhghail, C. Koppen BELGIUM

Diagnostic challenges in nocardia keratitis: a case report

S. Belghmaidi, I. Hajji, M. Mohammed, A. Moutaouakil MOROCCO

Evaluation of intrastromal injection of voriconazole in fungal abscesses

W. Chaidaroon, S. Supalaset THAILAND

Pseudomonas scleritis following pterygium excision

T. Chikama, C. Kaneoka, S. Inokawa, R. Toda, Y. Kadohiro, Y. Kiuchi JAPAN

Monitoring the effect of topical steroid administration for multiple subepithelial corneal infiltrates following epidemic keratoconjunctivitis

M. Dembski, A. Nowinska, K. Ulfik, B. Bolek, R. Mazur, E. Wylegala POLAND

In vivo confocal microscopy in acute microcystic corneal epitheliopathy after daily soft contact lenses

N. Dhillon, J. Gandhewar UK

An unusual case of achromobacter keratoconjunctivitis

M.M. Diab, A. Swealim, M. Omar SAUDI ARABIA

Microbiological and epidemiological study of infectious keratitis in children and adolescents

G. Drozhzhyna, O. Ivanova, T. Gaidamaka UKRAINE

Infectious complications of the cornea as a result of wearing soft contact lenses

P. Ducange, G. Delvecchio, V. Volante, C. Ferrari, M.R. Carbotti, G.M. Cavallini ITALY

A rare case of a simultaneous corneal infection by acanthamoeba and scopulariopsis brevicaulis

A. Elshahn, P. Hossain, M. Christodoulides UK

Ultrastructural changes in pseudomonas aeruginosa keratitis

D. Gousia, M. Tsatsos GERMANY

Fine needle diathermy with adjuvant triamcinolon in the treatment of corneal neovascularisation

E. Casswell, J. Hoffman, A. Shortt UK

Severe ocular chemical injury at a London ophthalmic referral hospital: a three-year retrospective observational study

V. Huerva, J. Soldevila, I. Caral, F. Vilardell SPAIN

Voriconazole treatment for suspected fungal keratitis may mask an undiagnosed achantamoeba keratitis

E. Interlandi, F. Bonsignore, F. Pellegrini ITALY

Herpetic keratitis reactivation after photo-refractive keratectomy (PRK) procedure

I. Jawaid, V. Mas-Tur, J. Sharp, S. Hill, S. Maharajan UK

Acanthamoeba endotheliitis: a case series

P. Khoo, M. Cabrera-Aguas, D. Robaei, S. Watson AUSTRALIA

Corneal biopsy for diagnosis of progressive microbial keratitis at a tertiary referral eye hospital

S.A. Kivanc, B. Akova-Budak TURKEY

Unusual retained conjunctival foreign bodies in children as a cause of refractory keratoconjunctivitis

A. Leonardi, S. Doan, M. Amrane, D. Ismail,

D. Bremond-Gignac ITALY

Efficacy and safety of 0.1% ciclosporin cationic emulsion (CsA CE) in patients with severe vernal keratoconjunctivitis: results of the VEKTIS study

W. List, W. Glatz, G. Mossboeck AUSTRIA

Retrospective evaluation of cases of acanthamoebic keratitis at the Department for Ophthalmology at the Medical University Graz between 1997 and 2015

E-POSTERS

D. Lopes, S. Barros, S. Parreira, I. Machado, N. Campos *PORTUGAL*
Thygeson's superficial punctate keratitis – a clinical case report

A. Loshkareva, D. Maychuk *RUSSIA*
Using 0.05% cyclosporine as a method of treatment for Thygeson's superficial punctate keratitis

F. Lucero Saa, F. Cremona, N. Minguez, P. Rinaudo, P. Chiaradia *ARGENTINA*
Ectodermal dysplasia: association with anti-basement membrane autoantibodies

M.J. Leon Cabello, L. Rebolledo Lara, P. Criado Muñoz, A. Gonzalez Prieto *SPAIN*
Adult gonococcal keratoconjunctivitis: a case report

C. Malhotra, D. Dhingra, A. Jain, R. Balamurgan *INDIA*
Viral keratoconjunctivitis misdiagnosed as fungal keratitis by in vivo confocal microscopy (IVCM)

T. Mc Swiney, E. Mc Elnea, W. Power, C. Murphy, D. Brosnahan *IRELAND*
Treatment of vernal keratoconjunctivitis with supratarsal injection of corticosteroid

J. Nunez, P. Gomez Faiã, N. Manrique Donaire, J. Gracia Martinez *SPAIN*
Strategies in treatment of peripheral ulcerative keratitis with necrotizing scleritis

G. Pardianto *INDONESIA*
Corneal cryopexy for descemetocele

M. Popiela, T. Young-Zvandasara, S. Wijetilleka, M. Muhtaseb *UK*
Prevalence of acanthamoeba species in domestic water in Wales

L. Raj, D.R. Ponniah, H. Anandan *INDIA*
Intra stromal antibiotic implants: novel therapy for posterior corneal infection

A. Rothwell *UK*
Burdock keratopathy: a curious case of corneal injury in a 5-yr-old boy

J.M. Ruiz Caro Larrea, L. Cabrejas Martinez, M.R. De Hoz Montaña, D. Mingo Botin, S.P. Duran Poveda, I. Jimenez-Alfaro Moroto *SPAIN*
Clinical and microbiological features in bacterial keratitis in a tertiary referral hospital

I. Soloveychik, G. Akchurin, V. Maksimov *RUSSIA*
Method of post-inflammatory corneal opacities treatment

A. Tzamalís, E. Arbabi, A. Al-Maskari, V. Romano, S. Kaye *UK*
Bilateral metachronous corneal perforation associated to ocular rosacea

A. Verma, B. Mamatha *INDIA*
Visual & clinical outcome in patients with corneal lacerations

A. Vicente, F. Pedrosa Domelláf, B. Bysträm *SWEDEN*
Black yeast exophiala phaeomuriformis keratitis in a subarctic climate region: a case report

Keratoconus and Collagen Cross Linking

A.C. Abreu, J. Coelho, V. Lages, L. Miguel Neves, M. Gomes, L. Oliveira *PORTUGAL*
Intracorneal rings segments (ICRS) implantation in paediatric age: long-term follow-up

S. Aliyeva *AZERBAIJAN*
Evaluation of corneal topographic parameters in unilateral keratoconus

A. Bardan, M. Shaheen, M. Elkateb, H. Helaly *UK*
Sequential wavefront-guided photorefractive keratectomy using a high definition aberrometer after corneal collagen CXL in keratoconus

A. Bardan, M. Shaheen, M. Elkateb, H. Helaly *UK*
Wavefront-guided photorefractive keratectomy using a high resolution aberrometer after corneal collagen crosslinking in keratoconus

A. Barros, L. Dias, S. Gonçalves, I. Almeida, J. Chibante-Pedro *PORTUGAL*
Keratoconus: a challenging case

L. Bataille, M.C. Tiveron Jr, F. Cavas-Martánez, D.G. Fernández-Pacheco, J. Alio *SPAIN*
Corneal geometric 3D modeling analysis for detection of subclinical keratoconus

L. Bataille, M.C. Tiveron Jr, F. Cavas-Martánez, D.G. Fernández-Pacheco, J. Alio *SPAIN*
Corneal morphogeometric findings in keratoconus with mild visual limitation

M. El Bakkali, B. Mohamed *MOROCCO*
The refractive power of the corneal epithelium in keratoconus

M. El Bakkali, B. Mohamed, S. Asmaa, O. Yousra *MOROCCO*
Stability of intra corneal rings in keratoconus: OCT contribution

F. Faria Correia, T. Monteiro, L. Oliveira, F. Vaz, R. Ambrásio Jr *PORTUGAL*
Athens protocol for corneal ectasia: experience of first cases

H. Hasani, M. Mehdi Sadoughi, B. Einollahi, A. Baradaran-Rafii, D. Roshandel, M. Nazeri *IRAN, ISLAMIC REPUBLIC OF*
Comparison of accelerated versus conventional corneal collagen cross linking in keratoconus

N. Kato, T. Sasaki, T. Ide, I. Toda *JAPAN*
A case with sterile infiltration with corneal melting after corneal cross linking for keratoconus presumably due to excessive use of non-steroidal anti-inflammatory eye drops and treated by amniotic membrane transplantation

V. Lages, L. Malheiro, D. Dias, P. Baptista, M. Neves, M. Gomes Oliveira *PORTUGAL*
Combined epithelium-off topography-guided photorefractive keratectomy and corneal collagen cross linking – new approach in the treatment of keratoconus

E-POSTERS

A. Lange, G. Moloney, S.A. Mosquera, D. Lin, S. Holland *SWITZERLAND*

Keratometry as predictive value in topography guided PRK and CXL in keratoconus eyes

D. Lin, S. Holland, J. Hogden, N. Davey *CANADA*

Topography-guided photorefractive keratectomy and collagen cross-linking for post-LASIK ectasia.

C. Malhotra, R. Balamurugan, A. Jain, A. Gupta, J. Ram *INDIA*

Short-term comparison of transepithelial corneal collagen cross linking (TECXL) and contact lens assisted corneal collagen cross linking (CACXL) for progressive keratoconus with thin corneas

M.B. Mekki, S. Yahiaoui, O. Titah, A. Taibi, R. Bouguerfa *ALGERIA*

Hydrops: not that bad

B. Mohamed, S. Asmaa, O. Yousra *MOROCCO*

Stability of intra corneal rings in keratoconus

T. Monteiro, J.F. Alfonso, N. Franqueira, F. Faria Correia,

J. Merayo-Lloves *PORTUGAL*

Intracorneal ring segment implantation – comparison between manual or femtosecond laser regarding intrastromal tunnel depth predictability

P. Padmanabhan, P. Vasant Kataria, V. Padmanabhan *INDIA*

Displayed keratometry in eyes with keratoconus – can they be misleading?

J. Panthagani, S. Amarkoon, G. Moussa, W. Fusi-Rubiano,

A. Pherwani *UK*

Evaluation of corneal parameters after collagen cross linking

E. Pedrotti, C. Chierogo, E. Bonacci, T. Merz, P.M. Talli,

J. Bonetto Marchini *ITALY*

Restoration of normal morphology in corneal ectasia by insertion of a stromal lenticule created by femtosecond laser: an ex vivo preclinical study

K. Pershin, N. Pashinova, A. Tsygankov, L. Batalina, E. Gurmizov,

S. Legkikh *RUSSIA*

Analysis of keratoconus surgical treatment with intrastromal rings implantation and corneal cross linking

R. Rajagopal, N. Narayanan, S. Agarwal, L. Therase *INDIA*

Bacterial keratitis following collagen cross linking (CXL): why and how do we manage?

G. Rocha, V. Penner, K. Lewis *CANADA*

Reduced high order aberrations (HOA) using wavefront-guided partial photorefractive keratectomy and accelerated epithelium-off corneal collagen crosslinking for keratoconus

P. Rosetta, R.Vinciguerra, E. Legrottaglie, V.Romano, R. Piscopo,

E. Morengi, P. Vinciguerra *ITALY*

Transepithelial iontophoresis collagen cross linking versus iontophoresis CXL with epithelial debridement versus standard CXL: one year clinical results of a prospective clinical study

D.G. Said, M. Messina, A. Ross, H.S. Dua *UK*

Corneal scarring and severe haze associated with accelerated collagen crosslinking

E. Torres Netto, W. Al-Otaibi, N. Hafezi, J.B. Randleman, S. Kling,

F. Hafezi *SWITZERLAND*

Prevalence of keratoconus amongst children and adolescents in Riyadh, Saudi Arabia

E. Usubov, M. Bikbov, K. Titoyan, V. Surkova,

R. Khikmatullin *RUSSIA*

Assessment of the significance of ratios obtained with the use of orbiscan corneal topography system in diagnostics of subclinical keratoconus

E. Usubov, M. Bikbov, V. Surkova, L. Khalimova, N. Zainullina,

K. Titoyan *RUSSIA*

Long-term results of standard corneal cross linking with progressive keratoconus

A. Vega-Estrada, E. Chorro, J. Alio, F. Versaci, S. Faini,

L. Bataille *SPAIN*

Testing Ann: a neural network to guide keratoconus treatment with ICRS

A. Vega-Estrada, J. Silvestre-Alvero, J. Alio, F. Rodriguez-Reinoso,

L. Bataille *SPAIN*

Biocompatibility and biomechanic response of the cornea after carbon nanomaterial implantation

A. Vega-Estrada, P. Sanz Diez, J. Alio *SPAIN*

Corneal posterior surface characterization in normal and keratoconus patients according to the degree of visual limitation

R. Vinciguerra, R. Ambrosio, C.J. Roberts, C. Azzolini,

P. Vinciguerra *UK*

Biomechanical characterization of subclinical keratoconus without topographic or tomographic abnormalities

S. Watson, M. Daniell, E. Chan, A. Herrera-Bond, V. Nguyen,

A. Dinh Garcia *AUSTRALIA*

The outcomes of corneal cross linking for keratoconus from routine clinical practice: results from the save sight registries keratoconus

E-POSTERS

Keratoprosthesis

O. Al-Shymali, J. Alio *SPAIN*

KeraKlear keratoprosthesis implantation surgical techniques: intralaminar and epidesmectomy options

A. Arteaga, G. Amescua, A. Cruzat, M.S. Cortina, J. Hallak, V. Perez De La Cruz *USA*

Pan-American experience in Boston keratoprosthesis type 1: PanKPRO study

A. Arteaga, M. Lindsay, A. Ahmad, M. Soledad Cortina, T. Vajaranant *USA*

The novo glaucoma in Boston keratoprosthesis type 1: patient characteristics and outcomes

M. Belmekki, W.G.K. Müller-Lierheim, G.B. Van Setten, G.I.W. Duncker *MOROCCO*

Keratoprosthesis surgery in Morocco: a case report

S. Fung, S. Jabbour, R. Tan, P. Hamel, M. Harissi-Dagher, K. Baig Ali *CANADA*

Complications of type 1 Boston keratoprosthesis in children

L. Hoffart, G. Ho Wang Yin, L. Guyot *FRANCE*

Chondro-keratoprosthesis

A. Orive Bañuelos, M.E. Gonzalez Montpetit, R. Feijoo Lera, A. Santamaria Carro, J. Etxebarria Ecenarro *SPAIN*

Candida colonization on surface of contact lenses in keratoprosthesis type 1 patients and in long-term contact lens wearers presenting as white mulberry-shaped deposits

E. Torres Netto, L. Silva, M. Riveros, L. Sousa,**L. Oliveira** *SWITZERLAND*

Boston type 1 keratoprosthesis: antibacterial resistance patterns and microbiota evaluation of soft contact lenses

A. Vasquez-Perez, M. Zarei-Ghanavati, C. Liu *UK*

Keratoprosthesis after severe ocular trauma

M.M. Diab, A. Swealim, M. Omar *SAUDI ARABIA*

Refractive and corneal topographic changes after hang-back strabismus surgery

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Long-term efficacy and safety of femto smile technique in the paediatric population

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Late onset capsular bag distension syndrome with solid material retention

Z. Hassan, J. Hassan, L. Modis, G. Nemeth *HUNGARY*

Our experiences with a sixth-generation excimer laser (Nidek Navex Quest) keratorefractive treatment program gained with OPD Scan III

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Management of posterior lamellar detachment after cataract surgery in a post deep anterior lamellar keratoplasty eye

M. Kamel, S. Eissa *EGYPT*

Phakic intraocular lens (PIOL) implantation versus INTACS corneal rings to manage anisometropic myopic amblyopia in children

M. Kamel *EGYPT*

Refractive surgery for accommodative esotropia in special needs children and adolescents

A.S. Martins, M. Oliveira, P. Gil, A. Rosa, M.J. Quadrado,**J. Murta** *PORTUGAL*

Corneal melting secondary to a hydrogel corneal inlay to correct presbyopia: 5-year follow-up

A. Vasquez-Perez, F. Aiello, K. Muthusamy, L. Fernandez-Vega,**S. Tuft** *UK*

Interface fluid syndrome (IFS) induced by uncontrolled ocular hypertension with Urrets-Zavalía syndrome after laser in situ keratomileusis

A. Vega-Estrada, A. Gharaibeh, A. Villanueva, D. Mas, J. Espinosa,**J. Alio** *SPAIN*

Corneal stability following LASIK for hyperopic correction: objective analysis by a light propagation algorithm

A. Wylegala, D. Dobrowolski, E. Wylá *POLAND*

Diffuse lamellar keratitis (DLK) after SMILE

Lens and Corneal Refractive Surgery: Corneal Complications

K.A. Abdelrahman *SAUDI ARABIA*

Evidence of improved vision and keratometry for femtosecond laser assisted keratotomy (long follow-up comparison in depth)

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Posteriorly enclavated iris claw intraocular lens for aphakia: long-term corneal endothelial safety study

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Ocular Surface

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5% sodium chloride versus paraffin-based ointment in the initial management of recurrent corneal erosion syndrome

C. Baxter, V. Lane UK

Assessing clinical evidence for current standard of care and Holoclar® in the treatment of moderate to severe limbal stem cells deficiency due to ocular burns: a systematic literature review

B. Bolek, S. Teper, E. Wylegala, M. Dembski POLAND

Treatment of conjunctival papilloma with topical interferon alpha-2b: a case report

J. Braga, J. Costa, R. Rothwell, S. Prazeres, C. Arede PORTUGAL

Corneal perforation due to lacrimal gland deficiency secondary to breast cancer metastasis

F. Cremona, N. Minguez, E. Paez Soria, P. Chiaradia ARGENTINA

Merkel cell carcinoma of the cornea and conjunctiva

M.A. Del Buey, P. Casas, C. Caramello, E. Lanchares,

E. Mianguez SPAIN

Morphological and refractive changes after surgical treatment of Salzmann's nodular degeneration

G. Drozhzhyna, M. Pavlovskiy, H. Pavlovskiy UKRAINE

Features of dry eye in patients with subclinical and manifest hypothyroidism

E. Fernández López, C. Peris Martinez, M.J. Roig Revert,

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Combined Endoret® plasma rich in growth factors clot, membrane and eyedrops for the management of severe ocular surface disorders

S. Fung, J. Catapano, W. Halliday, R. Zuker, G. Borschel,

A. Ali CANADA

Corneal neurotisation in the treatment of neurotrophic keratitis

D. Goldblum, K. Plattner, N. Gerber-Hollbach, S. Moes, P. Jenoe,

J. Halter SWITZERLAND

Tear proteomics of allogenic hematopoietic stem cell transplantation

M.E. Gonzalez, A. Orive Banuelos, J. Etxebarria Ecenarro SPAIN

Bullous keratopathy secondary to free-floating iris cyst

R. Hristova, Y. Zdravkov, M. Hristova, I. Tanev BULGARIA

Assessment of ocular surface inflammation in patients with chronic corneal ulcers

V. Huerva, J. Soldevila, I. Caral, L.M. Canto, A. Velasco SPAIN

BRAF mutations presence in conjunctival melanotic lesions

S. Ishikawa, K. Murayama, N. Kato JAPAN

The proportion of ocular surface diseases in epiphora patients

R. Krabbe, N. Jacobsen DENMARK

The efficacy and safety of diamond burr polishing versus phototherapeutic keratectomy in treatment of recurrent corneal erosion

M. Lecumberri, C. Moser SPAIN

Surgical treatment of Salzmann's nodular corneal degeneration before cataract surgery

V. Mas-Tur, S. Hill, I. Jawaid, S. Maharajan UK

Augmented pterygium surgical excision technique: 6 year retrospective analysis

J. Medeiros Pinto, V.C. Romao, A.I. Goncalves, A. Silva Martins,

F. Salvado, W. Rodrigues Fonseca PORTUGAL

Multidisciplinary Sjögren's syndrome clinic: experience from a tertiary hospital

J. Moreira, R. Goncalves, P. Coelho, T. Maio, F. Sampaio,

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Eyelid autosensitization dermatitis: a challenge diagnosis

E. Mrukwa-Kominek, D. Wyrosiak-Bednarek,

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Corneal neurofibroma in Recklinghausen's disease: a case presentation

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Grey line surgery for eyelid margin reconstruction in Stevens Johnson syndrome (SJS)

S. Nabili UK

Ketoralac associated corneal complications

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Corneal re-epithelialization differentially affected by various hyaluronic acid-containing artificial tear products in mouse corneal injury model

L. Paya Serratosa SPAIN

Case report of bilateral corneal calcific band keratopathy associated to topical anesthetic abuse and chronic systemic analgesia use: medical and surgical management

M.L. Perez Gancedo, L. Paya Serratosa, M. Platero Vazquez,

M. Cabezas Leon, M.A. Leal Gonzalez,

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Case report of bilateral calcific band keratopathy and neurotrophic disorder associated to topical anesthetic abuse: medical and surgical management

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E-POSTERS

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Neurotrophic keratopathy – pathology for matrix regeneration therapy

T. Snaebjörnsson Arnljóts, P. Montan, E.D. Kopp, B. Samolov *SWEDEN*
Autologous transplantation of oral mucosa and limbal stem cells in ocular burn injury: a case series

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Safety and efficacy of hypertonic sodium chloride 5% ointment for recurrent corneal erosion syndrome

A.K. Verma, A. Chauhan, R. Tuli, A. Dogra *INDIA*
Comparison between suture technique and autologous blood fibrin in pterygium surgery performed with conjunctival autograft

P. Vinciguerra, R. Vinciguerra, S. Trazza, F.I. Camesasca *ITALY*
Sequential customized therapeutic keratectomy for severe Salzmann corneal nodular degeneration: long-term follow-up

D. Wróbel-Dudzińska, J. Alio, E. Suchodola-Ratajewicz, E. Kosior-Jarecka, B. Rymgayllo-Jankowska, A. Cwiklinska-Haszcz Zarnowski *POLAND*
Autologous platelet-rich plasma eye drops for the treatment of neurotrophic ulcers

Tear Film

J. Cardigos, S. Crisostomo, V. Maduro, J. Vaz Pinto, F. Barcelos, P. Candelaria Alves *PORTUGAL*
Sicca syndrome – disease continuum: anatomical, functional and systemic assessment


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Meibomian gland dysfunction in refractive surgery: interference and preventative measure

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First results of a randomised controlled trial to evaluate the use of a novel preservative-free hyaluronic acid-trehalose combination treatment for dry eye

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Thursday 5 October	12.00 – 18.00
Friday 6 October	07.00 – 18.30
Saturday 7 October	07.00 – 18.00

Speaker Check-in

Meeting Center, Level 1

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Pavilion 3

Friday 6 October	09.00 – 18.00
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Annual General Meeting

Room 3.6, Pavilion 3

Friday 6 October	15.30 – 16.00
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Lunch symposium
Saturday, October 7, 2017
13:00 - 14:00
Meeting room 3.2

Neurotrophic keratopathy: Time to thiNK differently

Moderator: Dr Mark Porter, UK

Introduction

Dr Mark Porter

How well do we know neurotrophic keratopathy?

Dr Mark Porter

A new focus on neurotrophic keratopathy: The ophthalmologist's perspective

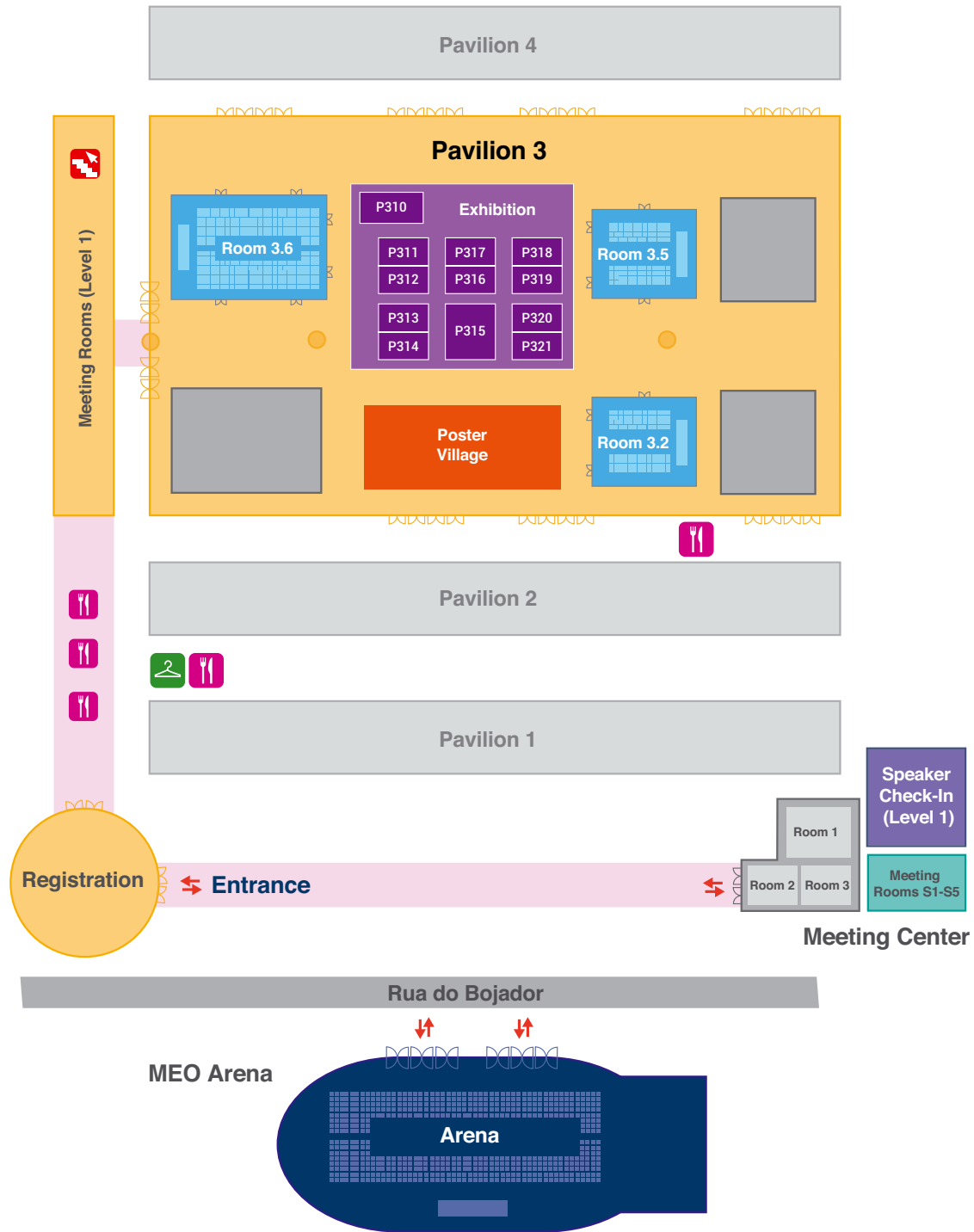
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Recombinant human NGF: Pivotal trials data

*Professor Gerd Geerling, Germany
and Professor Paolo Rama, Italy*

Panel discussion and closing

Dr Mark Porter



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Friday 6 October

Lunchtime Symposia

13.00 – 14.00

Room 3.2

Ocular Burn Treatment: From Acute Phase to Reconstruction

Moderators: **P. Rama** ITALY
J. Hjortdal DENMARK

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13.00 – 14.00

Room 3.5

Ocular Surface Disease and Severe Keratitis: Challenges and Clinical Perspectives

Moderator: **F. Kruse** GERMANY

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Saturday 7 October

Lunchtime Symposia

13.00 – 14.00

Room 3.2

Neurotrophic Keratopathy: Time to thiNK Differently

Moderator: **M. Porter** UK

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13.00 – 14.00

Room 3.5

Optimising the Ocular Surface for Surgery

Moderator: **G. Gazzard** UK

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13.00 – 14.00

Room 3.6

Ocular Surface Disease: Accurately Diagnose & Effectively Treat Your Cataract Patients

Moderators: **B. Cochener** FRANCE
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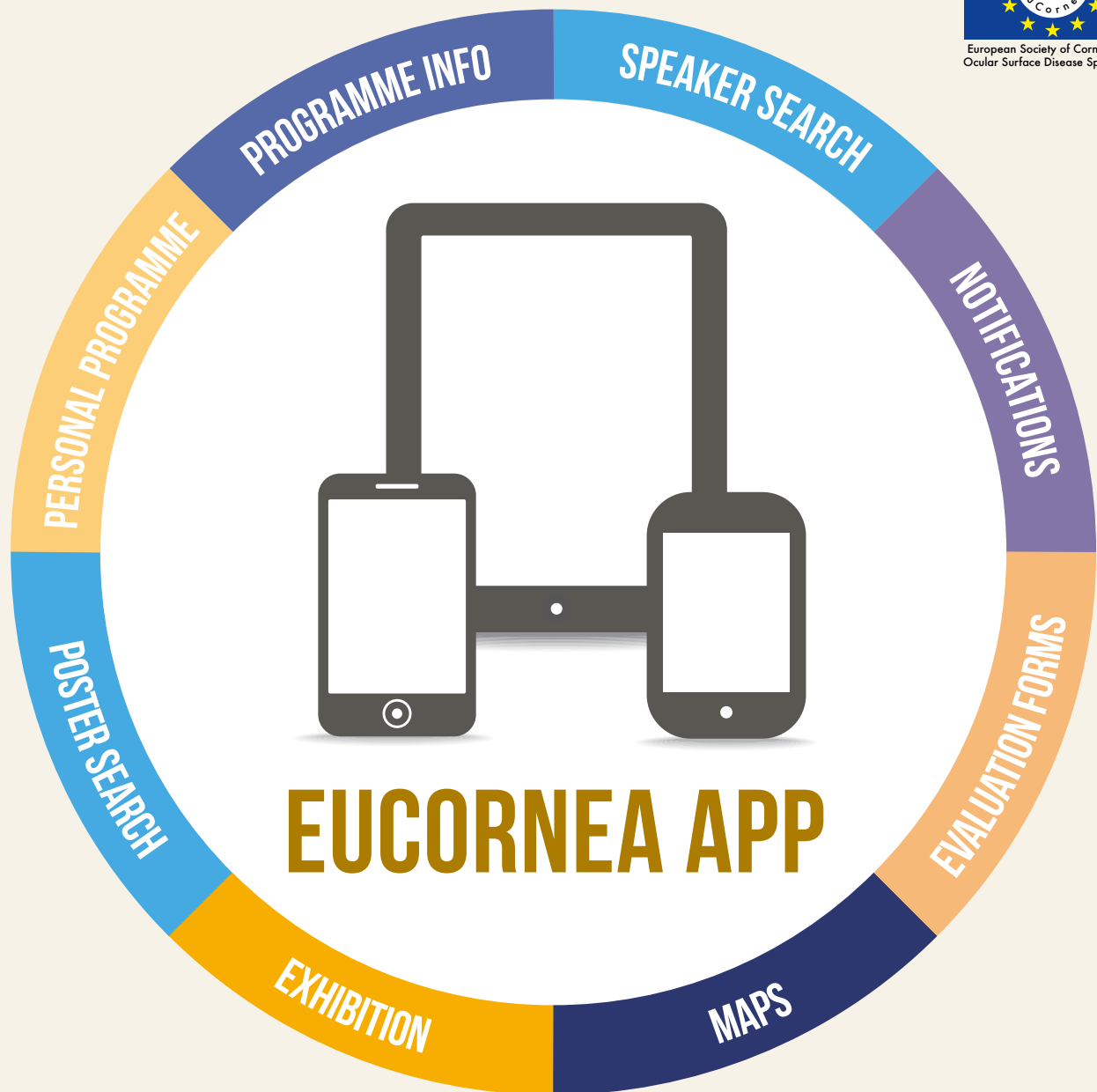


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INDEX

A

Y. Abdalla 17
K.A. Abdelrahman 24
A.C. Abreu 22
A. Agarwal 10
M. Ahad 25
N. Alexandre-Alba 11
C. Alexander 6
L.B. Alfaya Muñoz 21
J. Alio 6
J. Alió del Barrio 6, 18
S. Aliyeva 22
B. Allan 11
O. Al-Shymali 17
R. Ambrosio 13
A. Anbari 24
N. Ardjomand 6
F. Arnalich-Montiel 12
R. Arora 17
A. Arteaga 24
F. Auerbach 21
V. Avadhanam 6
T. Ayoub 21
A. Azaar 6

B

S. Baidwal 6
S. Balendra 21
A. Bardan 10, 22
A. Barros 22
S. Barros 6, 19
L. Bataille 22
C. Baxter 25
L. Baydoun 12, 17
J. Behaegel 21
S. Belghmaidi 21
M. Belmekki 21, 24
M. Bhogal 17
P. Binder 12
R. Birbal 17
H. Bobat 6
B. Bolek 25
V. Borderie 9, 14, 17
J. Braga 25
C. Bredstrup 9
K. Brown 6
M. Buckle 6, 18
B.A. Budak 19
M. Busin 9, 13
O. Buznyk 6

C

M. Cabrera Aguas 6
J. Cabrerizo 12, 17, 19
N. Campos 6
A. Caporossi 9
O. Caporossi 12
J. Cardigos 26
I. Carneiro 17
I. Casal 10
A. Cassan 26
E. Casswell 21
V. Cepla 6
W. Chaidaroon 21
F. Chiambaretta 12
T. Chikama 21
P. Chiodini 6
B. Cochener 11, 12, 13, 32
J. Coelho 10, 17
S. Cook 6
D. Cordeiro Sousa 17
J. Costa 19
F. Cremona 19, 25
C. Cursiefen 11

D

M. Daniell 6
I. Dapena 6, 17
O. Daphna 19, 24
K. Darcy 6
J. Dart 13
N. Davey 10
M.A. Del Buey 25
N. Delwiche 19
M. Dembski 21
M. de Miguel 6
N. Dhillon 21
M.M. Diab 21, 24
M. Dickman 6, 15, 17
D. Dobrowolski 19
G. Drozhzhyna 21, 25
H. Dua 6, 7, 8, 10, 14
P. Ducange 21

INDEX

E

M. El Bakkali 22
 A. Elsahn 21
 A. Eltony 10
 M. El Zarif 6
 D. Epstein 14

F

L. Faraj 19
 F. Faria Correia 22
 E. Favuzza 12, 19
 E. Fernández López 25
 S. Ferrari 7
 P. Fournie 6
 B. Frueh 9, 10
 S. Fung 24, 25
 Á. Füst 26

G

T. Gaidamaka 19
 T. Garcin 17
 A. Gavín Sancho 19
 G. Gazzard 32
 A. Geerards 19
 V. Getadaryan 12
 J.J. Gicquel 8
 J. Goh 6
 D. Goldblum 25
 M. Gomes 10
 M.E. Gonzalez 25
 D. Gousia 21
 A. Grdikanyan 12
 M. Griffith 6
 E. Groenveld van Beek 6
 J. Güell 6, 7, 11, 13, 14, 32

H

M. Haagdorens 6, 18
 F. Hafezi 13
 L. Ham 6
 S. Hannush 6, 11, 14
 W. Harb 6
 R. Harrison 6
 H. Hasani 19, 20, 22, 24
 Z. Hassan 24
 S. Hau 6
 T. Hayashi 19, 20
 D. Healy 10
 E. Hernandez Quintela 13
 R. Hernandez Vian 19
 J. Hjortdal 7, 9, 11, 13, 17, 32
 L. Hoffart 24
 J. Hoffman 6, 18
 J. Hogden 10
 S. Holland 10
 R. Hristova 25
 V. Huerva 21, 25

I

S. Iakymenko 6
 E. Interlandi 21
 S. Ishikawa 25
 M.M. Islam 6
 A. Ivarsen 17

J

A.K. Jain 24
 H. Jasim 6
 I. Jawaid 21
 R. Jayaswal 8
 V. Jovanovic 20

K

M. Kamel 19, 24
 C. Karp 8, 10
 N. Kato 22
 P. Khoo 21
 S. Kimyon 21
 J. Knoeri 11
 T. Kohnen 14
 G.A. Kontadakis 13
 M. Kozak Ljunggren 6
 R. Krabbe 25
 F. Kruse 5, 12, 13, 14, 32
 G. Kymionis 9, 10

L

A. Labbé 9
 M. Labetoulle 11, 18
 V. Lages 22
 A. Lange 23
 F. Larkin 13, 14
 G. Laurinavičiūtė 17
 I. Leal 20, 21
 M. Lecumberri 25
 A. Leonardi 8, 21
 M.J. Leon Cabello 22
 H. Levis 19
 J. Lie 6
 D. Lin 10, 23
 W. List 21
 C. Liu 13
 D. Lopes 6, 22
 E. Lorenzo Martin 19
 A. Loshkareva 22
 F. Lucero Saa 22
 M. Lundstrom 15
 Z. Luznik 19

M

P. Maier 10, 14
 F. Majo 17
 N. Makdissy 6
 F. Malecaze 5, 6, 8, 9
 L. Malheiro 10
 C. Malhotra 22, 23
 A. Marinho 14
 A.S. Martins 20, 24
 E. Marziali 12
 L. Mastropasqua 13
 V. Mas-Tur 6, 25
 A. Matsuzawa 20
 T. Mc Swiney 22
 J. Medeiros Pinto 25
 M.B. Mekki 23
 G. Melles 6, 12
 R. Mencucci 12
 J. Mendes 20
 J. Merayo 11
 E.M. Messmer 11, 26
 S. Milash 12
 B. Mohamed 23
 H.U. Møller 9
 T. Monteiro 23
 J. Moreira 25
 E. Mrukwa-Kominek 25
 M. Muraine 7, 11, 20
 F. Murta 25
 J. Murta 5, 14

N

S. Nabili 25
 M. Nanavaty 10
 M. Neves 10
 M. Nubile 8, 17
 R. Nuijts 11, 14
 J. Nunez 22

INDEX

O

O. Al-Shymali 24
 T. O'Brien 11
 S. Oellerich 7, 12
 O. Oganessian 12, 17
 A. Ogundele 25, 26
 E. Olafsdottir 12
 L. Oliveira 10
 M. Oliveira 21
 A. Orive Bañuelos 24

P

P. Padmanabhan 10, 23
 S. Palioura 10
 M. Panagiotopoulos 12, 20
 J. Panthagani 23
 G. Pardiante 22
 J. Parker 6
 S. Parreira 6
 R. Parrozzoni 10
 N. Pasychnikova 6
 L. Paya Serratos 25
 E. Pedrotti 20, 23
 J. Peraza-Nieves 12
 M. Pereira 6
 S. Perestrelo 20
 M.L. Perez Gancedo 25
 A. Perez-Sarriegui 12
 K. Pershin 23
 J. Pinheiro Costa 20
 M. Popiela 22
 L. Porrua Tubio 12
 M. Porter 32
 F. Price 12, 20
 M. Price 12, 20
 F. W. Price Jr. 12

R

S. Rachapalle Reddi 10
 A. Raghavan 6
 M. Raimundo 20
 L. Raj 18, 20, 22
 R. Rajagopal 23, 25
 R. Rajaram 6
 D. Raj Ponniah 10, 18
 L. Raj Ponniah 10
 P. Rama 7, 32
 R. Rammohan 6
 P. Ramo 13
 D. Reinstein 13
 D. Robaei 6
 C. Roberts 13
 G. Rocha 23
 V. Romano 25
 M. Romero Sanz 20
 P. Rosetta 23
 A. Ross 20
 A. Rothwell 22
 J.M. Ruiz Caro Larrea 22

S

D.G. Said 6, 7, 8, 23
 S.A. Kivanc 21
 C. Sarnicola 11
 V. Sarnicola 11
 A. Schalenbourg 10
 T.G. Seiler 10
 T. Seiler 9, 10
 B. Seitz 13, 14
 K. Sereda 20
 P. Shao 10
 L. Sihem 25
 M. Silva 20, 26
 T. Snaebjörnsson Arnljóts 26
 I. Soloveychik 22
 F. Sousa Neves 20
 L. Spadea 14
 N. Szentmary 19

T

M.J. Tassignon 6
 S. Tavassoli 6
 M. Taylor 26
 L. Terracciano 21
 G. Thuret 7
 S. Thys 6
 D. Tole 6
 E. Torres Netto 23, 24
 D. Touboul 13
 A.K. Tourkmani 20
 L. Troichenko 26
 M. Tsatsos 26
 A. Turnbull 19, 20
 A. Tzamalīs 22

U

E. Usubov 23

V

K. van Dijk 6, 12
 J. Van Rooij 17
 A. Vasquez-Perez 24
 A. Vega-Estrada 23, 24
 N. Venkatapathy 6
 T. Verdonck 18
 G.M. Verjans 11
 A.K. Verma 26
 A. Verma 22
 A. Vicente 22
 B. Vidic 6
 A. Villarrubia 17, 19
 P. Vinciguerra 26
 R. Vinciguerra 23
 N. Visser 20

W

S. Watson 6, 23
 E. Wissiak 6
 D. Wróbel-Dudzińska 26
 E. Wróblewska-Czajka 20
 A. Wylegala 24

Y

N. Yamada 17
 N. Yesilirmak 20
 A. Young 8
 K. Yuda 20
 S.H. Yun 10

Z

N. Zakaria 6, 7, 19
 Z. Zita Orosz 19
 V. Zygoura 17

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HEY CORVIS ST

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These values call for caution.
I don't think I would operate.

HI PENTACAM

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The cornea is very stable.
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